

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	1	1	65	153	153	20
Visayas	2024	1	1	2	60	153	153	20
Visayas	2024	1	1	3	55	153	153	20
Visayas	2024	1	1	4	52	153	153	20
Visayas	2024	1	1	5	51	153	153	20
Visayas	2024	1	1	6	49	153	153	20
Visayas	2024	1	1	7	49	153	153	20
Visayas	2024	1	1	8	50	153	153	20
Visayas	2024	1	1	9	51	153	153	20
Visayas	2024	1	1	10	52	153	153	20
Visayas	2024	1	1	11	54	153	153	20
Visayas	2024	1	1	12	56	153	153	20
Visayas	2024	1	1	13	56	153	153	20
Visayas	2024	1	1	14	57	153	153	20
Visayas	2024	1	1	15	58	153	153	20
Visayas	2024	1	1	16	56	153	153	20
Visayas	2024	1	1	17	56	153	153	20
Visayas	2024	1	1	18	71	153	153	20
Visayas	2024	1	1	19	71	153	153	20
Visayas	2024	1	1	20	69	153	153	20
Visayas	2024	1	1	21	67	153	153	20
Visayas	2024	1	1	22	62	153	153	20
Visayas	2024	1	1	23	58	153	153	20
Visayas	2024	1	1	24	57	153	153	20
Visayas	2024	1	2	1	62	153	153	20
Visayas	2024	1	2	2	60	153	153	20
Visayas	2024	1	2	3	58	153	153	20
Visayas	2024	1	2	4	56	153	153	20
Visayas	2024	1	2	5	56	153	153	20
Visayas	2024	1	2	6	58	153	153	20
Visayas	2024	1	2	7	60	153	153	20
Visayas	2024	1	2	8	68	153	153	20
Visayas	2024	1	2	9	78	153	153	20
Visayas	2024	1	2	10	87	153	153	20
Visayas	2024	1	2	11	91	153	153	20
Visayas	2024	1	2	12	89	153	153	20
Visayas	2024	1	2	13	90	153	153	20
Visayas	2024	1	2	14	95	153	153	20
Visayas	2024	1	2	15	93	153	153	20
Visayas	2024	1	2	16	90	153	153	20
Visayas	2024	1	2	17	86	153	153	20
Visayas	2024	1	2	18	93	153	153	20
Visayas	2024	1	2	19	89	153	153	20
Visayas	2024	1	2	20	85	153	153	20
Visayas	2024	1	2	21	82	153	153	20
Visayas	2024	1	2	22	77	153	153	20
Visayas	2024	1	2	23	72	153	153	20
Visayas	2024	1	2	24	67	153	153	20
Visayas	2024	1	3	1	64	153	153	20
Visayas	2024	1	3	2	61	153	153	20
Visayas	2024	1	3	3	59	153	153	20
Visayas	2024	1	3	4	58	153	153	20
Visayas	2024	1	3	5	58	153	153	20
Visayas	2024	1	3	6	61	153	153	20
Visayas	2024	1	3	7	62	153	153	20
Visayas	2024	1	3	8	70	153	153	20
Visayas	2024	1	3	9	83	153	153	20
Visayas	2024	1	3	10	88	153	153	20
Visayas	2024	1	3	11	94	153	153	20
Visayas	2024	1	3	12	90	153	153	20
Visayas	2024	1	3	13	90	153	153	20
Visayas	2024	1	3	14	94	153	153	20
Visayas	2024	1	3	15	92	153	153	20
Visayas	2024	1	3	16	89	153	153	20
Visayas	2024	1	3	17	84	153	153	20
Visayas	2024	1	3	18	92	153	153	20
Visayas	2024	1	3	19	88	153	153	20
Visayas	2024	1	3	20	85	153	153	20
Visayas	2024	1	3	21	81	153	153	20
Visayas	2024	1	3	22	76	153	153	20
Visayas	2024	1	3	23	71	153	153	20
Visayas	2024	1	3	24	66	153	153	20
Visayas	2024	1	4	1	63	153	153	20
Visayas	2024	1	4	2	61	153	153	20
Visayas	2024	1	4	3	58	153	153	20
Visayas	2024	1	4	4	58	153	153	20
Visayas	2024	1	4	5	58	153	153	20
Visayas	2024	1	4	6	60	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

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GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	4	7	62	153	153	20
Visayas	2024	1	4	8	70	153	153	20
Visayas	2024	1	4	9	79	153	153	20
Visayas	2024	1	4	10	82	153	153	20
Visayas	2024	1	4	11	86	153	153	20
Visayas	2024	1	4	12	82	153	153	20
Visayas	2024	1	4	13	83	153	153	20
Visayas	2024	1	4	14	86	153	153	20
Visayas	2024	1	4	15	84	153	153	20
Visayas	2024	1	4	16	85	153	153	20
Visayas	2024	1	4	17	83	153	153	20
Visayas	2024	1	4	18	88	153	153	20
Visayas	2024	1	4	19	85	153	153	20
Visayas	2024	1	4	20	83	153	153	20
Visayas	2024	1	4	21	79	153	153	20
Visayas	2024	1	4	22	73	153	153	20
Visayas	2024	1	4	23	67	153	153	20
Visayas	2024	1	4	24	63	153	153	20
Visayas	2024	1	5	1	59	153	153	20
Visayas	2024	1	5	2	58	153	153	20
Visayas	2024	1	5	3	55	153	153	20
Visayas	2024	1	5	4	55	153	153	20
Visayas	2024	1	5	5	56	153	153	20
Visayas	2024	1	5	6	58	153	153	20
Visayas	2024	1	5	7	61	153	153	20
Visayas	2024	1	5	8	67	153	153	20
Visayas	2024	1	5	9	78	153	153	20
Visayas	2024	1	5	10	84	153	153	20
Visayas	2024	1	5	11	86	153	153	20
Visayas	2024	1	5	12	82	153	153	20
Visayas	2024	1	5	13	82	153	153	20
Visayas	2024	1	5	14	84	153	153	20
Visayas	2024	1	5	15	84	153	153	20
Visayas	2024	1	5	16	83	153	153	20
Visayas	2024	1	5	17	81	153	153	20
Visayas	2024	1	5	18	87	153	153	20
Visayas	2024	1	5	19	83	153	153	20
Visayas	2024	1	5	20	79	153	153	20
Visayas	2024	1	5	21	76	153	153	20
Visayas	2024	1	5	22	70	153	153	20
Visayas	2024	1	5	23	65	153	153	20
Visayas	2024	1	5	24	61	153	153	20
Visayas	2024	1	6	1	57	153	153	20
Visayas	2024	1	6	2	55	153	153	20
Visayas	2024	1	6	3	54	153	153	20
Visayas	2024	1	6	4	53	153	153	20
Visayas	2024	1	6	5	54	153	153	20
Visayas	2024	1	6	6	55	153	153	20
Visayas	2024	1	6	7	56	153	153	20
Visayas	2024	1	6	8	59	153	153	20
Visayas	2024	1	6	9	67	153	153	20
Visayas	2024	1	6	10	74	153	153	20
Visayas	2024	1	6	11	78	153	153	20
Visayas	2024	1	6	12	78	153	153	20
Visayas	2024	1	6	13	76	153	153	20
Visayas	2024	1	6	14	76	153	153	20
Visayas	2024	1	6	15	75	153	153	20
Visayas	2024	1	6	16	74	153	153	20
Visayas	2024	1	6	17	75	153	153	20
Visayas	2024	1	6	18	82	153	153	20
Visayas	2024	1	6	19	77	153	153	20
Visayas	2024	1	6	20	73	153	153	20
Visayas	2024	1	6	21	71	153	153	20
Visayas	2024	1	6	22	66	153	153	20
Visayas	2024	1	6	23	61	153	153	20
Visayas	2024	1	6	24	57	153	153	20
Visayas	2024	1	7	1	55	153	153	20
Visayas	2024	1	7	2	54	153	153	20
Visayas	2024	1	7	3	52	153	153	20
Visayas	2024	1	7	4	52	153	153	20
Visayas	2024	1	7	5	52	153	153	20
Visayas	2024	1	7	6	53	153	153	20
Visayas	2024	1	7	7	53	153	153	20
Visayas	2024	1	7	8	54	153	153	20
Visayas	2024	1	7	9	57	153	153	20
Visayas	2024	1	7	10	60	153	153	20
Visayas	2024	1	7	11	61	153	153	20
Visayas	2024	1	7	12	59	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

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GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	7	13	57	153	153	20
Visayas	2024	1	7	14	59	153	153	20
Visayas	2024	1	7	15	56	153	153	20
Visayas	2024	1	7	16	56	153	153	20
Visayas	2024	1	7	17	60	153	153	20
Visayas	2024	1	7	18	72	153	153	20
Visayas	2024	1	7	19	70	153	153	20
Visayas	2024	1	7	20	65	153	153	20
Visayas	2024	1	7	21	63	153	153	20
Visayas	2024	1	7	22	59	153	153	20
Visayas	2024	1	7	23	54	153	153	20
Visayas	2024	1	7	24	52	153	153	20
Visayas	2024	1	8	1	51	153	153	20
Visayas	2024	1	8	2	49	153	153	20
Visayas	2024	1	8	3	47	153	153	20
Visayas	2024	1	8	4	46	153	153	20
Visayas	2024	1	8	5	47	153	153	20
Visayas	2024	1	8	6	50	153	153	20
Visayas	2024	1	8	7	53	153	153	20
Visayas	2024	1	8	8	58	153	153	20
Visayas	2024	1	8	9	66	153	153	20
Visayas	2024	1	8	10	71	153	153	20
Visayas	2024	1	8	11	75	153	153	20
Visayas	2024	1	8	12	72	153	153	20
Visayas	2024	1	8	13	70	153	153	20
Visayas	2024	1	8	14	72	153	153	20
Visayas	2024	1	8	15	73	153	153	20
Visayas	2024	1	8	16	73	153	153	20
Visayas	2024	1	8	17	72	153	153	20
Visayas	2024	1	8	18	79	153	153	20
Visayas	2024	1	8	19	74	153	153	20
Visayas	2024	1	8	20	69	153	153	20
Visayas	2024	1	8	21	65	153	153	20
Visayas	2024	1	8	22	59	153	153	20
Visayas	2024	1	8	23	54	153	153	20
Visayas	2024	1	8	24	52	153	153	20
Visayas	2024	1	9	1	51	153	153	20
Visayas	2024	1	9	2	49	153	153	20
Visayas	2024	1	9	3	49	153	153	20
Visayas	2024	1	9	4	48	153	153	20
Visayas	2024	1	9	5	49	153	153	20
Visayas	2024	1	9	6	51	153	153	20
Visayas	2024	1	9	7	55	153	153	20
Visayas	2024	1	9	8	61	153	153	20
Visayas	2024	1	9	9	69	153	153	20
Visayas	2024	1	9	10	73	153	153	20
Visayas	2024	1	9	11	75	153	153	20
Visayas	2024	1	9	12	73	153	153	20
Visayas	2024	1	9	13	72	153	153	20
Visayas	2024	1	9	14	74	153	153	20
Visayas	2024	1	9	15	74	153	153	20
Visayas	2024	1	9	16	74	153	153	20
Visayas	2024	1	9	17	72	153	153	20
Visayas	2024	1	9	18	78	153	153	20
Visayas	2024	1	9	19	74	153	153	20
Visayas	2024	1	9	20	70	153	153	20
Visayas	2024	1	9	21	65	153	153	20
Visayas	2024	1	9	22	61	153	153	20
Visayas	2024	1	9	23	55	153	153	20
Visayas	2024	1	9	24	53	153	153	20
Visayas	2024	1	10	1	51	153	153	20
Visayas	2024	1	10	2	50	153	153	20
Visayas	2024	1	10	3	49	153	153	20
Visayas	2024	1	10	4	49	153	153	20
Visayas	2024	1	10	5	50	153	153	20
Visayas	2024	1	10	6	53	153	153	20
Visayas	2024	1	10	7	56	153	153	20
Visayas	2024	1	10	8	62	153	153	20
Visayas	2024	1	10	9	70	153	153	20
Visayas	2024	1	10	10	76	153	153	20
Visayas	2024	1	10	11	80	153	153	20
Visayas	2024	1	10	12	77	153	153	20
Visayas	2024	1	10	13	76	153	153	20
Visayas	2024	1	10	14	79	153	153	20
Visayas	2024	1	10	15	79	153	153	20
Visayas	2024	1	10	16	78	153	153	20
Visayas	2024	1	10	17	75	153	153	20
Visayas	2024	1	10	18	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

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GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	10	19	79	153	153	20
Visayas	2024	1	10	20	75	153	153	20
Visayas	2024	1	10	21	71	153	153	20
Visayas	2024	1	10	22	66	153	153	20
Visayas	2024	1	10	23	61	153	153	20
Visayas	2024	1	10	24	58	153	153	20
Visayas	2024	1	11	1	56	153	153	20
Visayas	2024	1	11	2	54	153	153	20
Visayas	2024	1	11	3	53	153	153	20
Visayas	2024	1	11	4	53	153	153	20
Visayas	2024	1	11	5	54	153	153	20
Visayas	2024	1	11	6	58	153	153	20
Visayas	2024	1	11	7	60	153	153	20
Visayas	2024	1	11	8	67	153	153	20
Visayas	2024	1	11	9	77	153	153	20
Visayas	2024	1	11	10	83	153	153	20
Visayas	2024	1	11	11	87	153	153	20
Visayas	2024	1	11	12	84	153	153	20
Visayas	2024	1	11	13	84	153	153	20
Visayas	2024	1	11	14	87	153	153	20
Visayas	2024	1	11	15	87	153	153	20
Visayas	2024	1	11	16	86	153	153	20
Visayas	2024	1	11	17	82	153	153	20
Visayas	2024	1	11	18	89	153	153	20
Visayas	2024	1	11	19	85	153	153	20
Visayas	2024	1	11	20	80	153	153	20
Visayas	2024	1	11	21	77	153	153	20
Visayas	2024	1	11	22	71	153	153	20
Visayas	2024	1	11	23	67	153	153	20
Visayas	2024	1	11	24	63	153	153	20
Visayas	2024	1	12	1	60	153	153	20
Visayas	2024	1	12	2	57	153	153	20
Visayas	2024	1	12	3	56	153	153	20
Visayas	2024	1	12	4	55	153	153	20
Visayas	2024	1	12	5	56	153	153	20
Visayas	2024	1	12	6	59	153	153	20
Visayas	2024	1	12	7	61	153	153	20
Visayas	2024	1	12	8	67	153	153	20
Visayas	2024	1	12	9	80	153	153	20
Visayas	2024	1	12	10	86	153	153	20
Visayas	2024	1	12	11	90	153	153	20
Visayas	2024	1	12	12	87	153	153	20
Visayas	2024	1	12	13	86	153	153	20
Visayas	2024	1	12	14	91	153	153	20
Visayas	2024	1	12	15	91	153	153	20
Visayas	2024	1	12	16	87	153	153	20
Visayas	2024	1	12	17	82	153	153	20
Visayas	2024	1	12	18	89	153	153	20
Visayas	2024	1	12	19	86	153	153	20
Visayas	2024	1	12	20	82	153	153	20
Visayas	2024	1	12	21	79	153	153	20
Visayas	2024	1	12	22	74	153	153	20
Visayas	2024	1	12	23	68	153	153	20
Visayas	2024	1	12	24	65	153	153	20
Visayas	2024	1	13	1	61	153	153	20
Visayas	2024	1	13	2	59	153	153	20
Visayas	2024	1	13	3	57	153	153	20
Visayas	2024	1	13	4	56	153	153	20
Visayas	2024	1	13	5	57	153	153	20
Visayas	2024	1	13	6	58	153	153	20
Visayas	2024	1	13	7	58	153	153	20
Visayas	2024	1	13	8	63	153	153	20
Visayas	2024	1	13	9	70	153	153	20
Visayas	2024	1	13	10	74	153	153	20
Visayas	2024	1	13	11	77	153	153	20
Visayas	2024	1	13	12	75	153	153	20
Visayas	2024	1	13	13	73	153	153	20
Visayas	2024	1	13	14	75	153	153	20
Visayas	2024	1	13	15	75	153	153	20
Visayas	2024	1	13	16	74	153	153	20
Visayas	2024	1	13	17	75	153	153	20
Visayas	2024	1	13	18	83	153	153	20
Visayas	2024	1	13	19	79	153	153	20
Visayas	2024	1	13	20	75	153	153	20
Visayas	2024	1	13	21	72	153	153	20
Visayas	2024	1	13	22	67	153	153	20
Visayas	2024	1	13	23	61	153	153	20
Visayas	2024	1	13	24	58	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

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GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	14	1	56	153	153	20
Visayas	2024	1	14	2	55	153	153	20
Visayas	2024	1	14	3	53	153	153	20
Visayas	2024	1	14	4	52	153	153	20
Visayas	2024	1	14	5	53	153	153	20
Visayas	2024	1	14	6	53	153	153	20
Visayas	2024	1	14	7	55	153	153	20
Visayas	2024	1	14	8	56	153	153	20
Visayas	2024	1	14	9	59	153	153	20
Visayas	2024	1	14	10	62	153	153	20
Visayas	2024	1	14	11	65	153	153	20
Visayas	2024	1	14	12	65	153	153	20
Visayas	2024	1	14	13	64	153	153	20
Visayas	2024	1	14	14	63	153	153	20
Visayas	2024	1	14	15	62	153	153	20
Visayas	2024	1	14	16	62	153	153	20
Visayas	2024	1	14	17	63	153	153	20
Visayas	2024	1	14	18	76	153	153	20
Visayas	2024	1	14	19	75	153	153	20
Visayas	2024	1	14	20	72	153	153	20
Visayas	2024	1	14	21	69	153	153	20
Visayas	2024	1	14	22	65	153	153	20
Visayas	2024	1	14	23	60	153	153	20
Visayas	2024	1	14	24	57	153	153	20
Visayas	2024	1	15	1	55	153	153	20
Visayas	2024	1	15	2	53	153	153	20
Visayas	2024	1	15	3	52	153	153	20
Visayas	2024	1	15	4	51	153	153	20
Visayas	2024	1	15	5	52	153	153	20
Visayas	2024	1	15	6	55	153	153	20
Visayas	2024	1	15	7	58	153	153	20
Visayas	2024	1	15	8	64	153	153	20
Visayas	2024	1	15	9	75	153	153	20
Visayas	2024	1	15	10	80	153	153	20
Visayas	2024	1	15	11	82	153	153	20
Visayas	2024	1	15	12	79	153	153	20
Visayas	2024	1	15	13	78	153	153	20
Visayas	2024	1	15	14	80	153	153	20
Visayas	2024	1	15	15	78	153	153	20
Visayas	2024	1	15	16	77	153	153	20
Visayas	2024	1	15	17	77	153	153	20
Visayas	2024	1	15	18	82	153	153	20
Visayas	2024	1	15	19	78	153	153	20
Visayas	2024	1	15	20	74	153	153	20
Visayas	2024	1	15	21	69	153	153	20
Visayas	2024	1	15	22	63	153	153	20
Visayas	2024	1	15	23	59	153	153	20
Visayas	2024	1	15	24	57	153	153	20
Visayas	2024	1	16	1	54	153	153	20
Visayas	2024	1	16	2	53	153	153	20
Visayas	2024	1	16	3	52	153	153	20
Visayas	2024	1	16	4	51	153	153	20
Visayas	2024	1	16	5	53	153	153	20
Visayas	2024	1	16	6	56	153	153	20
Visayas	2024	1	16	7	60	153	153	20
Visayas	2024	1	16	8	66	153	153	20
Visayas	2024	1	16	9	76	153	153	20
Visayas	2024	1	16	10	80	153	153	20
Visayas	2024	1	16	11	84	153	153	20
Visayas	2024	1	16	12	81	153	153	20
Visayas	2024	1	16	13	80	153	153	20
Visayas	2024	1	16	14	83	153	153	20
Visayas	2024	1	16	15	83	153	153	20
Visayas	2024	1	16	16	82	153	153	20
Visayas	2024	1	16	17	78	153	153	20
Visayas	2024	1	16	18	84	153	153	20
Visayas	2024	1	16	19	82	153	153	20
Visayas	2024	1	16	20	78	153	153	20
Visayas	2024	1	16	21	74	153	153	20
Visayas	2024	1	16	22	69	153	153	20
Visayas	2024	1	16	23	64	153	153	20
Visayas	2024	1	16	24	61	153	153	20
Visayas	2024	1	17	1	58	153	153	20
Visayas	2024	1	17	2	56	153	153	20
Visayas	2024	1	17	3	54	153	153	20
Visayas	2024	1	17	4	54	153	153	20
Visayas	2024	1	17	5	55	153	153	20
Visayas	2024	1	17	6	59	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	17	7	62	153	153	20
Visayas	2024	1	17	8	67	153	153	20
Visayas	2024	1	17	9	78	153	153	20
Visayas	2024	1	17	10	84	153	153	20
Visayas	2024	1	17	11	89	153	153	20
Visayas	2024	1	17	12	86	153	153	20
Visayas	2024	1	17	13	87	153	153	20
Visayas	2024	1	17	14	93	153	153	20
Visayas	2024	1	17	15	92	153	153	20
Visayas	2024	1	17	16	89	153	153	20
Visayas	2024	1	17	17	86	153	153	20
Visayas	2024	1	17	18	91	153	153	20
Visayas	2024	1	17	19	87	153	153	20
Visayas	2024	1	17	20	85	153	153	20
Visayas	2024	1	17	21	81	153	153	20
Visayas	2024	1	17	22	75	153	153	20
Visayas	2024	1	17	23	70	153	153	20
Visayas	2024	1	17	24	65	153	153	20
Visayas	2024	1	18	1	61	153	153	20
Visayas	2024	1	18	2	59	153	153	20
Visayas	2024	1	18	3	57	153	153	20
Visayas	2024	1	18	4	56	153	153	20
Visayas	2024	1	18	5	57	153	153	20
Visayas	2024	1	18	6	59	153	153	20
Visayas	2024	1	18	7	61	153	153	20
Visayas	2024	1	18	8	69	153	153	20
Visayas	2024	1	18	9	79	153	153	20
Visayas	2024	1	18	10	85	153	153	20
Visayas	2024	1	18	11	91	153	153	20
Visayas	2024	1	18	12	89	153	153	20
Visayas	2024	1	18	13	89	153	153	20
Visayas	2024	1	18	14	94	153	153	20
Visayas	2024	1	18	15	93	153	153	20
Visayas	2024	1	18	16	91	153	153	20
Visayas	2024	1	18	17	85	153	153	20
Visayas	2024	1	18	18	90	153	153	20
Visayas	2024	1	18	19	88	153	153	20
Visayas	2024	1	18	20	84	153	153	20
Visayas	2024	1	18	21	81	153	153	20
Visayas	2024	1	18	22	75	153	153	20
Visayas	2024	1	18	23	70	153	153	20
Visayas	2024	1	18	24	65	153	153	20
Visayas	2024	1	19	1	61	153	153	20
Visayas	2024	1	19	2	59	153	153	20
Visayas	2024	1	19	3	57	153	153	20
Visayas	2024	1	19	4	56	153	153	20
Visayas	2024	1	19	5	57	153	153	20
Visayas	2024	1	19	6	59	153	153	20
Visayas	2024	1	19	7	62	153	153	20
Visayas	2024	1	19	8	69	153	153	20
Visayas	2024	1	19	9	80	153	153	20
Visayas	2024	1	19	10	86	153	153	20
Visayas	2024	1	19	11	87	153	153	20
Visayas	2024	1	19	12	86	153	153	20
Visayas	2024	1	19	13	86	153	153	20
Visayas	2024	1	19	14	89	153	153	20
Visayas	2024	1	19	15	90	153	153	20
Visayas	2024	1	19	16	88	153	153	20
Visayas	2024	1	19	17	84	153	153	20
Visayas	2024	1	19	18	88	153	153	20
Visayas	2024	1	19	19	87	153	153	20
Visayas	2024	1	19	20	83	153	153	20
Visayas	2024	1	19	21	80	153	153	20
Visayas	2024	1	19	22	74	153	153	20
Visayas	2024	1	19	23	69	153	153	20
Visayas	2024	1	19	24	65	153	153	20
Visayas	2024	1	20	1	62	153	153	20
Visayas	2024	1	20	2	59	153	153	20
Visayas	2024	1	20	3	57	153	153	20
Visayas	2024	1	20	4	56	153	153	20
Visayas	2024	1	20	5	56	153	153	20
Visayas	2024	1	20	6	58	153	153	20
Visayas	2024	1	20	7	59	153	153	20
Visayas	2024	1	20	8	63	153	153	20
Visayas	2024	1	20	9	72	153	153	20
Visayas	2024	1	20	10	76	153	153	20
Visayas	2024	1	20	11	79	153	153	20
Visayas	2024	1	20	12	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	20	13	78	153	153	20
Visayas	2024	1	20	14	83	153	153	20
Visayas	2024	1	20	15	82	153	153	20
Visayas	2024	1	20	16	79	153	153	20
Visayas	2024	1	20	17	77	153	153	20
Visayas	2024	1	20	18	85	153	153	20
Visayas	2024	1	20	19	85	153	153	20
Visayas	2024	1	20	20	83	153	153	20
Visayas	2024	1	20	21	80	153	153	20
Visayas	2024	1	20	22	75	153	153	20
Visayas	2024	1	20	23	70	153	153	20
Visayas	2024	1	20	24	65	153	153	20
Visayas	2024	1	21	1	61	153	153	20
Visayas	2024	1	21	2	59	153	153	20
Visayas	2024	1	21	3	57	153	153	20
Visayas	2024	1	21	4	56	153	153	20
Visayas	2024	1	21	5	56	153	153	20
Visayas	2024	1	21	6	56	153	153	20
Visayas	2024	1	21	7	54	153	153	20
Visayas	2024	1	21	8	55	153	153	20
Visayas	2024	1	21	9	59	153	153	20
Visayas	2024	1	21	10	63	153	153	20
Visayas	2024	1	21	11	66	153	153	20
Visayas	2024	1	21	12	68	153	153	20
Visayas	2024	1	21	13	68	153	153	20
Visayas	2024	1	21	14	70	153	153	20
Visayas	2024	1	21	15	69	153	153	20
Visayas	2024	1	21	16	68	153	153	20
Visayas	2024	1	21	17	67	153	153	20
Visayas	2024	1	21	18	79	153	153	20
Visayas	2024	1	21	19	80	153	153	20
Visayas	2024	1	21	20	80	153	153	20
Visayas	2024	1	21	21	78	153	153	20
Visayas	2024	1	21	22	74	153	153	20
Visayas	2024	1	21	23	69	153	153	20
Visayas	2024	1	21	24	65	153	153	20
Visayas	2024	1	22	1	61	153	153	20
Visayas	2024	1	22	2	58	153	153	20
Visayas	2024	1	22	3	57	153	153	20
Visayas	2024	1	22	4	56	153	153	20
Visayas	2024	1	22	5	56	153	153	20
Visayas	2024	1	22	6	58	153	153	20
Visayas	2024	1	22	7	60	153	153	20
Visayas	2024	1	22	8	69	153	153	20
Visayas	2024	1	22	9	81	153	153	20
Visayas	2024	1	22	10	87	153	153	20
Visayas	2024	1	22	11	93	153	153	20
Visayas	2024	1	22	12	90	153	153	20
Visayas	2024	1	22	13	89	153	153	20
Visayas	2024	1	22	14	94	153	153	20
Visayas	2024	1	22	15	93	153	153	20
Visayas	2024	1	22	16	90	153	153	20
Visayas	2024	1	22	17	84	153	153	20
Visayas	2024	1	22	18	83	153	153	20
Visayas	2024	1	22	19	88	153	153	20
Visayas	2024	1	22	20	83	153	153	20
Visayas	2024	1	22	21	81	153	153	20
Visayas	2024	1	22	22	74	153	153	20
Visayas	2024	1	22	23	69	153	153	20
Visayas	2024	1	22	24	65	153	153	20
Visayas	2024	1	23	1	62	153	153	20
Visayas	2024	1	23	2	59	153	153	20
Visayas	2024	1	23	3	57	153	153	20
Visayas	2024	1	23	4	56	153	153	20
Visayas	2024	1	23	5	57	153	153	20
Visayas	2024	1	23	6	60	153	153	20
Visayas	2024	1	23	7	62	153	153	20
Visayas	2024	1	23	8	69	153	153	20
Visayas	2024	1	23	9	80	153	153	20
Visayas	2024	1	23	10	88	153	153	20
Visayas	2024	1	23	11	92	153	153	20
Visayas	2024	1	23	12	90	153	153	20
Visayas	2024	1	23	13	90	153	153	20
Visayas	2024	1	23	14	94	153	153	20
Visayas	2024	1	23	15	95	153	153	20
Visayas	2024	1	23	16	92	153	153	20
Visayas	2024	1	23	17	85	153	153	20
Visayas	2024	1	23	18	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	23	19	89	153	153	20
Visayas	2024	1	23	20	85	153	153	20
Visayas	2024	1	23	21	82	153	153	20
Visayas	2024	1	23	22	77	153	153	20
Visayas	2024	1	23	23	72	153	153	20
Visayas	2024	1	23	24	68	153	153	20
Visayas	2024	1	24	1	64	153	153	20
Visayas	2024	1	24	2	61	153	153	20
Visayas	2024	1	24	3	59	153	153	20
Visayas	2024	1	24	4	58	153	153	20
Visayas	2024	1	24	5	59	153	153	20
Visayas	2024	1	24	6	61	153	153	20
Visayas	2024	1	24	7	62	153	153	20
Visayas	2024	1	24	8	69	153	153	20
Visayas	2024	1	24	9	79	153	153	20
Visayas	2024	1	24	10	84	153	153	20
Visayas	2024	1	24	11	89	153	153	20
Visayas	2024	1	24	12	87	153	153	20
Visayas	2024	1	24	13	87	153	153	20
Visayas	2024	1	24	14	94	153	153	20
Visayas	2024	1	24	15	94	153	153	20
Visayas	2024	1	24	16	91	153	153	20
Visayas	2024	1	24	17	84	153	153	20
Visayas	2024	1	24	18	90	153	153	20
Visayas	2024	1	24	19	89	153	153	20
Visayas	2024	1	24	20	85	153	153	20
Visayas	2024	1	24	21	82	153	153	20
Visayas	2024	1	24	22	76	153	153	20
Visayas	2024	1	24	23	71	153	153	20
Visayas	2024	1	24	24	67	153	153	20
Visayas	2024	1	25	1	64	153	153	20
Visayas	2024	1	25	2	61	153	153	20
Visayas	2024	1	25	3	59	153	153	20
Visayas	2024	1	25	4	58	153	153	20
Visayas	2024	1	25	5	58	153	153	20
Visayas	2024	1	25	6	61	153	153	20
Visayas	2024	1	25	7	62	153	153	20
Visayas	2024	1	25	8	70	153	153	20
Visayas	2024	1	25	9	81	153	153	20
Visayas	2024	1	25	10	84	153	153	20
Visayas	2024	1	25	11	90	153	153	20
Visayas	2024	1	25	12	86	153	153	20
Visayas	2024	1	25	13	87	153	153	20
Visayas	2024	1	25	14	90	153	153	20
Visayas	2024	1	25	15	90	153	153	20
Visayas	2024	1	25	16	87	153	153	20
Visayas	2024	1	25	17	83	153	153	20
Visayas	2024	1	25	18	87	153	153	20
Visayas	2024	1	25	19	82	153	153	20
Visayas	2024	1	25	20	77	153	153	20
Visayas	2024	1	25	21	74	153	153	20
Visayas	2024	1	25	22	68	153	153	20
Visayas	2024	1	25	23	63	153	153	20
Visayas	2024	1	25	24	62	153	153	20
Visayas	2024	1	26	1	60	153	153	20
Visayas	2024	1	26	2	57	153	153	20
Visayas	2024	1	26	3	55	153	153	20
Visayas	2024	1	26	4	54	153	153	20
Visayas	2024	1	26	5	55	153	153	20
Visayas	2024	1	26	6	56	153	153	20
Visayas	2024	1	26	7	58	153	153	20
Visayas	2024	1	26	8	64	153	153	20
Visayas	2024	1	26	9	75	153	153	20
Visayas	2024	1	26	10	81	153	153	20
Visayas	2024	1	26	11	85	153	153	20
Visayas	2024	1	26	12	83	153	153	20
Visayas	2024	1	26	13	84	153	153	20
Visayas	2024	1	26	14	89	153	153	20
Visayas	2024	1	26	15	88	153	153	20
Visayas	2024	1	26	16	86	153	153	20
Visayas	2024	1	26	17	78	153	153	20
Visayas	2024	1	26	18	79	153	153	20
Visayas	2024	1	26	19	79	153	153	20
Visayas	2024	1	26	20	76	153	153	20
Visayas	2024	1	26	21	75	153	153	20
Visayas	2024	1	26	22	72	153	153	20
Visayas	2024	1	26	23	68	153	153	20
Visayas	2024	1	26	24	63	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	27	1	60	153	153	20
Visayas	2024	1	27	2	58	153	153	20
Visayas	2024	1	27	3	56	153	153	20
Visayas	2024	1	27	4	55	153	153	20
Visayas	2024	1	27	5	55	153	153	20
Visayas	2024	1	27	6	56	153	153	20
Visayas	2024	1	27	7	58	153	153	20
Visayas	2024	1	27	8	61	153	153	20
Visayas	2024	1	27	9	68	153	153	20
Visayas	2024	1	27	10	70	153	153	20
Visayas	2024	1	27	11	74	153	153	20
Visayas	2024	1	27	12	73	153	153	20
Visayas	2024	1	27	13	75	153	153	20
Visayas	2024	1	27	14	78	153	153	20
Visayas	2024	1	27	15	77	153	153	20
Visayas	2024	1	27	16	75	153	153	20
Visayas	2024	1	27	17	71	153	153	20
Visayas	2024	1	27	18	75	153	153	20
Visayas	2024	1	27	19	79	153	153	20
Visayas	2024	1	27	20	75	153	153	20
Visayas	2024	1	27	21	73	153	153	20
Visayas	2024	1	27	22	70	153	153	20
Visayas	2024	1	27	23	65	153	153	20
Visayas	2024	1	27	24	61	153	153	20
Visayas	2024	1	28	1	58	153	153	20
Visayas	2024	1	28	2	56	153	153	20
Visayas	2024	1	28	3	55	153	153	20
Visayas	2024	1	28	4	54	153	153	20
Visayas	2024	1	28	5	53	153	153	20
Visayas	2024	1	28	6	53	153	153	20
Visayas	2024	1	28	7	49	153	153	20
Visayas	2024	1	28	8	53	153	153	20
Visayas	2024	1	28	9	58	153	153	20
Visayas	2024	1	28	10	62	153	153	20
Visayas	2024	1	28	11	65	153	153	20
Visayas	2024	1	28	12	66	153	153	20
Visayas	2024	1	28	13	67	153	153	20
Visayas	2024	1	28	14	69	153	153	20
Visayas	2024	1	28	15	69	153	153	20
Visayas	2024	1	28	16	68	153	153	20
Visayas	2024	1	28	17	66	153	153	20
Visayas	2024	1	28	18	73	153	153	20
Visayas	2024	1	28	19	76	153	153	20
Visayas	2024	1	28	20	74	153	153	20
Visayas	2024	1	28	21	72	153	153	20
Visayas	2024	1	28	22	70	153	153	20
Visayas	2024	1	28	23	64	153	153	20
Visayas	2024	1	28	24	60	153	153	20
Visayas	2024	1	29	1	58	153	153	20
Visayas	2024	1	29	2	55	153	153	20
Visayas	2024	1	29	3	53	153	153	20
Visayas	2024	1	29	4	53	153	153	20
Visayas	2024	1	29	5	53	153	153	20
Visayas	2024	1	29	6	55	153	153	20
Visayas	2024	1	29	7	56	153	153	20
Visayas	2024	1	29	8	63	153	153	20
Visayas	2024	1	29	9	76	153	153	20
Visayas	2024	1	29	10	83	153	153	20
Visayas	2024	1	29	11	86	153	153	20
Visayas	2024	1	29	12	84	153	153	20
Visayas	2024	1	29	13	85	153	153	20
Visayas	2024	1	29	14	87	153	153	20
Visayas	2024	1	29	15	88	153	153	20
Visayas	2024	1	29	16	85	153	153	20
Visayas	2024	1	29	17	80	153	153	20
Visayas	2024	1	29	18	82	153	153	20
Visayas	2024	1	29	19	81	153	153	20
Visayas	2024	1	29	20	79	153	153	20
Visayas	2024	1	29	21	76	153	153	20
Visayas	2024	1	29	22	72	153	153	20
Visayas	2024	1	29	23	68	153	153	20
Visayas	2024	1	29	24	64	153	153	20
Visayas	2024	1	30	1	61	153	153	20
Visayas	2024	1	30	2	58	153	153	20
Visayas	2024	1	30	3	57	153	153	20
Visayas	2024	1	30	4	56	153	153	20
Visayas	2024	1	30	5	55	153	153	20
Visayas	2024	1	30	6	57	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	1	30	7	57	153	153	20
Visayas	2024	1	30	8	61	153	153	20
Visayas	2024	1	30	9	69	153	153	20
Visayas	2024	1	30	10	73	153	153	20
Visayas	2024	1	30	11	77	153	153	20
Visayas	2024	1	30	12	76	153	153	20
Visayas	2024	1	30	13	77	153	153	20
Visayas	2024	1	30	14	81	153	153	20
Visayas	2024	1	30	15	80	153	153	20
Visayas	2024	1	30	16	77	153	153	20
Visayas	2024	1	30	17	73	153	153	20
Visayas	2024	1	30	18	79	153	153	20
Visayas	2024	1	30	19	79	153	153	20
Visayas	2024	1	30	20	76	153	153	20
Visayas	2024	1	30	21	74	153	153	20
Visayas	2024	1	30	22	70	153	153	20
Visayas	2024	1	30	23	66	153	153	20
Visayas	2024	1	30	24	61	153	153	20
Visayas	2024	1	31	1	59	153	153	20
Visayas	2024	1	31	2	57	153	153	20
Visayas	2024	1	31	3	55	153	153	20
Visayas	2024	1	31	4	54	153	153	20
Visayas	2024	1	31	5	55	153	153	20
Visayas	2024	1	31	6	57	153	153	20
Visayas	2024	1	31	7	59	153	153	20
Visayas	2024	1	31	8	66	153	153	20
Visayas	2024	1	31	9	77	153	153	20
Visayas	2024	1	31	10	80	153	153	20
Visayas	2024	1	31	11	80	153	153	20
Visayas	2024	1	31	12	80	153	153	20
Visayas	2024	1	31	13	83	153	153	20
Visayas	2024	1	31	14	87	153	153	20
Visayas	2024	1	31	15	86	153	153	20
Visayas	2024	1	31	16	84	153	153	20
Visayas	2024	1	31	17	78	153	153	20
Visayas	2024	1	31	18	81	153	153	20
Visayas	2024	1	31	19	81	153	153	20
Visayas	2024	1	31	20	78	153	153	20
Visayas	2024	1	31	21	75	153	153	20
Visayas	2024	1	31	22	72	153	153	20
Visayas	2024	1	31	23	67	153	153	20
Visayas	2024	1	31	24	64	153	153	20
Visayas	2024	2	1	1	61	153	153	20
Visayas	2024	2	1	2	59	153	153	20
Visayas	2024	2	1	3	57	153	153	20
Visayas	2024	2	1	4	56	153	153	20
Visayas	2024	2	1	5	56	153	153	20
Visayas	2024	2	1	6	58	153	153	20
Visayas	2024	2	1	7	60	153	153	20
Visayas	2024	2	1	8	67	153	153	20
Visayas	2024	2	1	9	78	153	153	20
Visayas	2024	2	1	10	82	153	153	20
Visayas	2024	2	1	11	86	153	153	20
Visayas	2024	2	1	12	84	153	153	20
Visayas	2024	2	1	13	86	153	153	20
Visayas	2024	2	1	14	90	153	153	20
Visayas	2024	2	1	15	89	153	153	20
Visayas	2024	2	1	16	87	153	153	20
Visayas	2024	2	1	17	82	153	153	20
Visayas	2024	2	1	18	85	153	153	20
Visayas	2024	2	1	19	83	153	153	20
Visayas	2024	2	1	20	80	153	153	20
Visayas	2024	2	1	21	77	153	153	20
Visayas	2024	2	1	22	73	153	153	20
Visayas	2024	2	1	23	70	153	153	20
Visayas	2024	2	1	24	66	153	153	20
Visayas	2024	2	2	1	63	153	153	20
Visayas	2024	2	2	2	60	153	153	20
Visayas	2024	2	2	3	58	153	153	20
Visayas	2024	2	2	4	55	153	153	20
Visayas	2024	2	2	5	56	153	153	20
Visayas	2024	2	2	6	58	153	153	20
Visayas	2024	2	2	7	58	153	153	20
Visayas	2024	2	2	8	64	153	153	20
Visayas	2024	2	2	9	74	153	153	20
Visayas	2024	2	2	10	80	153	153	20
Visayas	2024	2	2	11	83	153	153	20
Visayas	2024	2	2	12	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	2	13	79	153	153	20
Visayas	2024	2	2	14	82	153	153	20
Visayas	2024	2	2	15	83	153	153	20
Visayas	2024	2	2	16	80	153	153	20
Visayas	2024	2	2	17	78	153	153	20
Visayas	2024	2	2	18	81	153	153	20
Visayas	2024	2	2	19	78	153	153	20
Visayas	2024	2	2	20	74	153	153	20
Visayas	2024	2	2	21	72	153	153	20
Visayas	2024	2	2	22	69	153	153	20
Visayas	2024	2	2	23	63	153	153	20
Visayas	2024	2	2	24	61	153	153	20
Visayas	2024	2	3	1	58	153	153	20
Visayas	2024	2	3	2	57	153	153	20
Visayas	2024	2	3	3	56	153	153	20
Visayas	2024	2	3	4	55	153	153	20
Visayas	2024	2	3	5	55	153	153	20
Visayas	2024	2	3	6	57	153	153	20
Visayas	2024	2	3	7	57	153	153	20
Visayas	2024	2	3	8	59	153	153	20
Visayas	2024	2	3	9	67	153	153	20
Visayas	2024	2	3	10	73	153	153	20
Visayas	2024	2	3	11	75	153	153	20
Visayas	2024	2	3	12	74	153	153	20
Visayas	2024	2	3	13	75	153	153	20
Visayas	2024	2	3	14	77	153	153	20
Visayas	2024	2	3	15	75	153	153	20
Visayas	2024	2	3	16	74	153	153	20
Visayas	2024	2	3	17	73	153	153	20
Visayas	2024	2	3	18	79	153	153	20
Visayas	2024	2	3	19	77	153	153	20
Visayas	2024	2	3	20	73	153	153	20
Visayas	2024	2	3	21	72	153	153	20
Visayas	2024	2	3	22	68	153	153	20
Visayas	2024	2	3	23	64	153	153	20
Visayas	2024	2	3	24	60	153	153	20
Visayas	2024	2	4	1	57	153	153	20
Visayas	2024	2	4	2	55	153	153	20
Visayas	2024	2	4	3	54	153	153	20
Visayas	2024	2	4	4	53	153	153	20
Visayas	2024	2	4	5	53	153	153	20
Visayas	2024	2	4	6	54	153	153	20
Visayas	2024	2	4	7	53	153	153	20
Visayas	2024	2	4	8	55	153	153	20
Visayas	2024	2	4	9	57	153	153	20
Visayas	2024	2	4	10	63	153	153	20
Visayas	2024	2	4	11	65	153	153	20
Visayas	2024	2	4	12	63	153	153	20
Visayas	2024	2	4	13	65	153	153	20
Visayas	2024	2	4	14	65	153	153	20
Visayas	2024	2	4	15	63	153	153	20
Visayas	2024	2	4	16	62	153	153	20
Visayas	2024	2	4	17	61	153	153	20
Visayas	2024	2	4	18	73	153	153	20
Visayas	2024	2	4	19	75	153	153	20
Visayas	2024	2	4	20	70	153	153	20
Visayas	2024	2	4	21	69	153	153	20
Visayas	2024	2	4	22	65	153	153	20
Visayas	2024	2	4	23	61	153	153	20
Visayas	2024	2	4	24	58	153	153	20
Visayas	2024	2	5	1	55	153	153	20
Visayas	2024	2	5	2	53	153	153	20
Visayas	2024	2	5	3	52	153	153	20
Visayas	2024	2	5	4	51	153	153	20
Visayas	2024	2	5	5	52	153	153	20
Visayas	2024	2	5	6	55	153	153	20
Visayas	2024	2	5	7	57	153	153	20
Visayas	2024	2	5	8	64	153	153	20
Visayas	2024	2	5	9	74	153	153	20
Visayas	2024	2	5	10	78	153	153	20
Visayas	2024	2	5	11	82	153	153	20
Visayas	2024	2	5	12	83	153	153	20
Visayas	2024	2	5	13	84	153	153	20
Visayas	2024	2	5	14	89	153	153	20
Visayas	2024	2	5	15	88	153	153	20
Visayas	2024	2	5	16	87	153	153	20
Visayas	2024	2	5	17	80	153	153	20
Visayas	2024	2	5	18	83	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	5	19	83	153	153	20
Visayas	2024	2	5	20	79	153	153	20
Visayas	2024	2	5	21	76	153	153	20
Visayas	2024	2	5	22	72	153	153	20
Visayas	2024	2	5	23	68	153	153	20
Visayas	2024	2	5	24	65	153	153	20
Visayas	2024	2	6	1	61	153	153	20
Visayas	2024	2	6	2	60	153	153	20
Visayas	2024	2	6	3	58	153	153	20
Visayas	2024	2	6	4	57	153	153	20
Visayas	2024	2	6	5	57	153	153	20
Visayas	2024	2	6	6	60	153	153	20
Visayas	2024	2	6	7	61	153	153	20
Visayas	2024	2	6	8	69	153	153	20
Visayas	2024	2	6	9	80	153	153	20
Visayas	2024	2	6	10	82	153	153	20
Visayas	2024	2	6	11	87	153	153	20
Visayas	2024	2	6	12	85	153	153	20
Visayas	2024	2	6	13	86	153	153	20
Visayas	2024	2	6	14	90	153	153	20
Visayas	2024	2	6	15	89	153	153	20
Visayas	2024	2	6	16	86	153	153	20
Visayas	2024	2	6	17	79	153	153	20
Visayas	2024	2	6	18	82	153	153	20
Visayas	2024	2	6	19	82	153	153	20
Visayas	2024	2	6	20	79	153	153	20
Visayas	2024	2	6	21	76	153	153	20
Visayas	2024	2	6	22	72	153	153	20
Visayas	2024	2	6	23	68	153	153	20
Visayas	2024	2	6	24	64	153	153	20
Visayas	2024	2	7	1	61	153	153	20
Visayas	2024	2	7	2	58	153	153	20
Visayas	2024	2	7	3	56	153	153	20
Visayas	2024	2	7	4	55	153	153	20
Visayas	2024	2	7	5	56	153	153	20
Visayas	2024	2	7	6	58	153	153	20
Visayas	2024	2	7	7	59	153	153	20
Visayas	2024	2	7	8	67	153	153	20
Visayas	2024	2	7	9	77	153	153	20
Visayas	2024	2	7	10	83	153	153	20
Visayas	2024	2	7	11	86	153	153	20
Visayas	2024	2	7	12	83	153	153	20
Visayas	2024	2	7	13	83	153	153	20
Visayas	2024	2	7	14	85	153	153	20
Visayas	2024	2	7	15	85	153	153	20
Visayas	2024	2	7	16	82	153	153	20
Visayas	2024	2	7	17	78	153	153	20
Visayas	2024	2	7	18	80	153	153	20
Visayas	2024	2	7	19	81	153	153	20
Visayas	2024	2	7	20	78	153	153	20
Visayas	2024	2	7	21	75	153	153	20
Visayas	2024	2	7	22	72	153	153	20
Visayas	2024	2	7	23	67	153	153	20
Visayas	2024	2	7	24	63	153	153	20
Visayas	2024	2	8	1	60	153	153	20
Visayas	2024	2	8	2	58	153	153	20
Visayas	2024	2	8	3	57	153	153	20
Visayas	2024	2	8	4	56	153	153	20
Visayas	2024	2	8	5	56	153	153	20
Visayas	2024	2	8	6	58	153	153	20
Visayas	2024	2	8	7	61	153	153	20
Visayas	2024	2	8	8	68	153	153	20
Visayas	2024	2	8	9	77	153	153	20
Visayas	2024	2	8	10	82	153	153	20
Visayas	2024	2	8	11	85	153	153	20
Visayas	2024	2	8	12	82	153	153	20
Visayas	2024	2	8	13	82	153	153	20
Visayas	2024	2	8	14	84	153	153	20
Visayas	2024	2	8	15	83	153	153	20
Visayas	2024	2	8	16	82	153	153	20
Visayas	2024	2	8	17	78	153	153	20
Visayas	2024	2	8	18	82	153	153	20
Visayas	2024	2	8	19	80	153	153	20
Visayas	2024	2	8	20	77	153	153	20
Visayas	2024	2	8	21	74	153	153	20
Visayas	2024	2	8	22	70	153	153	20
Visayas	2024	2	8	23	65	153	153	20
Visayas	2024	2	8	24	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	9	1	60	153	153	20
Visayas	2024	2	9	2	58	153	153	20
Visayas	2024	2	9	3	57	153	153	20
Visayas	2024	2	9	4	56	153	153	20
Visayas	2024	2	9	5	57	153	153	20
Visayas	2024	2	9	6	60	153	153	20
Visayas	2024	2	9	7	61	153	153	20
Visayas	2024	2	9	8	67	153	153	20
Visayas	2024	2	9	9	77	153	153	20
Visayas	2024	2	9	10	81	153	153	20
Visayas	2024	2	9	11	85	153	153	20
Visayas	2024	2	9	12	82	153	153	20
Visayas	2024	2	9	13	83	153	153	20
Visayas	2024	2	9	14	87	153	153	20
Visayas	2024	2	9	15	87	153	153	20
Visayas	2024	2	9	16	83	153	153	20
Visayas	2024	2	9	17	81	153	153	20
Visayas	2024	2	9	18	83	153	153	20
Visayas	2024	2	9	19	81	153	153	20
Visayas	2024	2	9	20	78	153	153	20
Visayas	2024	2	9	21	74	153	153	20
Visayas	2024	2	9	22	71	153	153	20
Visayas	2024	2	9	23	67	153	153	20
Visayas	2024	2	9	24	63	153	153	20
Visayas	2024	2	10	1	60	153	153	20
Visayas	2024	2	10	2	58	153	153	20
Visayas	2024	2	10	3	56	153	153	20
Visayas	2024	2	10	4	55	153	153	20
Visayas	2024	2	10	5	56	153	153	20
Visayas	2024	2	10	6	57	153	153	20
Visayas	2024	2	10	7	58	153	153	20
Visayas	2024	2	10	8	62	153	153	20
Visayas	2024	2	10	9	71	153	153	20
Visayas	2024	2	10	10	75	153	153	20
Visayas	2024	2	10	11	79	153	153	20
Visayas	2024	2	10	12	75	153	153	20
Visayas	2024	2	10	13	75	153	153	20
Visayas	2024	2	10	14	78	153	153	20
Visayas	2024	2	10	15	77	153	153	20
Visayas	2024	2	10	16	76	153	153	20
Visayas	2024	2	10	17	74	153	153	20
Visayas	2024	2	10	18	79	153	153	20
Visayas	2024	2	10	19	78	153	153	20
Visayas	2024	2	10	20	75	153	153	20
Visayas	2024	2	10	21	71	153	153	20
Visayas	2024	2	10	22	66	153	153	20
Visayas	2024	2	10	23	63	153	153	20
Visayas	2024	2	10	24	59	153	153	20
Visayas	2024	2	11	1	57	153	153	20
Visayas	2024	2	11	2	55	153	153	20
Visayas	2024	2	11	3	53	153	153	20
Visayas	2024	2	11	4	53	153	153	20
Visayas	2024	2	11	5	53	153	153	20
Visayas	2024	2	11	6	54	153	153	20
Visayas	2024	2	11	7	53	153	153	20
Visayas	2024	2	11	8	54	153	153	20
Visayas	2024	2	11	9	57	153	153	20
Visayas	2024	2	11	10	62	153	153	20
Visayas	2024	2	11	11	63	153	153	20
Visayas	2024	2	11	12	64	153	153	20
Visayas	2024	2	11	13	64	153	153	20
Visayas	2024	2	11	14	65	153	153	20
Visayas	2024	2	11	15	65	153	153	20
Visayas	2024	2	11	16	64	153	153	20
Visayas	2024	2	11	17	66	153	153	20
Visayas	2024	2	11	18	73	153	153	20
Visayas	2024	2	11	19	76	153	153	20
Visayas	2024	2	11	20	73	153	153	20
Visayas	2024	2	11	21	71	153	153	20
Visayas	2024	2	11	22	70	153	153	20
Visayas	2024	2	11	23	64	153	153	20
Visayas	2024	2	11	24	59	153	153	20
Visayas	2024	2	12	1	56	153	153	20
Visayas	2024	2	12	2	55	153	153	20
Visayas	2024	2	12	3	53	153	153	20
Visayas	2024	2	12	4	53	153	153	20
Visayas	2024	2	12	5	54	153	153	20
Visayas	2024	2	12	6	56	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	12	7	57	153	153	20
Visayas	2024	2	12	8	65	153	153	20
Visayas	2024	2	12	9	76	153	153	20
Visayas	2024	2	12	10	83	153	153	20
Visayas	2024	2	12	11	88	153	153	20
Visayas	2024	2	12	12	87	153	153	20
Visayas	2024	2	12	13	86	153	153	20
Visayas	2024	2	12	14	92	153	153	20
Visayas	2024	2	12	15	92	153	153	20
Visayas	2024	2	12	16	92	153	153	20
Visayas	2024	2	12	17	83	153	153	20
Visayas	2024	2	12	18	83	153	153	20
Visayas	2024	2	12	19	83	153	153	20
Visayas	2024	2	12	20	81	153	153	20
Visayas	2024	2	12	21	79	153	153	20
Visayas	2024	2	12	22	73	153	153	20
Visayas	2024	2	12	23	69	153	153	20
Visayas	2024	2	12	24	64	153	153	20
Visayas	2024	2	13	1	61	153	153	20
Visayas	2024	2	13	2	59	153	153	20
Visayas	2024	2	13	3	57	153	153	20
Visayas	2024	2	13	4	56	153	153	20
Visayas	2024	2	13	5	56	153	153	20
Visayas	2024	2	13	6	59	153	153	20
Visayas	2024	2	13	7	60	153	153	20
Visayas	2024	2	13	8	68	153	153	20
Visayas	2024	2	13	9	81	153	153	20
Visayas	2024	2	13	10	87	153	153	20
Visayas	2024	2	13	11	90	153	153	20
Visayas	2024	2	13	12	88	153	153	20
Visayas	2024	2	13	13	89	153	153	20
Visayas	2024	2	13	14	95	153	153	20
Visayas	2024	2	13	15	94	153	153	20
Visayas	2024	2	13	16	91	153	153	20
Visayas	2024	2	13	17	83	153	153	20
Visayas	2024	2	13	18	85	153	153	20
Visayas	2024	2	13	19	86	153	153	20
Visayas	2024	2	13	20	80	153	153	20
Visayas	2024	2	13	21	78	153	153	20
Visayas	2024	2	13	22	73	153	153	20
Visayas	2024	2	13	23	68	153	153	20
Visayas	2024	2	13	24	64	153	153	20
Visayas	2024	2	14	1	61	153	153	20
Visayas	2024	2	14	2	59	153	153	20
Visayas	2024	2	14	3	57	153	153	20
Visayas	2024	2	14	4	56	153	153	20
Visayas	2024	2	14	5	58	153	153	20
Visayas	2024	2	14	6	60	153	153	20
Visayas	2024	2	14	7	62	153	153	20
Visayas	2024	2	14	8	68	153	153	20
Visayas	2024	2	14	9	81	153	153	20
Visayas	2024	2	14	10	89	153	153	20
Visayas	2024	2	14	11	91	153	153	20
Visayas	2024	2	14	12	89	153	153	20
Visayas	2024	2	14	13	89	153	153	20
Visayas	2024	2	14	14	95	153	153	20
Visayas	2024	2	14	15	93	153	153	20
Visayas	2024	2	14	16	91	153	153	20
Visayas	2024	2	14	17	85	153	153	20
Visayas	2024	2	14	18	84	153	153	20
Visayas	2024	2	14	19	88	153	153	20
Visayas	2024	2	14	20	83	153	153	20
Visayas	2024	2	14	21	80	153	153	20
Visayas	2024	2	14	22	76	153	153	20
Visayas	2024	2	14	23	71	153	153	20
Visayas	2024	2	14	24	67	153	153	20
Visayas	2024	2	15	1	63	153	153	20
Visayas	2024	2	15	2	61	153	153	20
Visayas	2024	2	15	3	58	153	153	20
Visayas	2024	2	15	4	56	153	153	20
Visayas	2024	2	15	5	58	153	153	20
Visayas	2024	2	15	6	60	153	153	20
Visayas	2024	2	15	7	61	153	153	20
Visayas	2024	2	15	8	70	153	153	20
Visayas	2024	2	15	9	81	153	153	20
Visayas	2024	2	15	10	86	153	153	20
Visayas	2024	2	15	11	90	153	153	20
Visayas	2024	2	15	12	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	15	13	89	153	153	20
Visayas	2024	2	15	14	94	153	153	20
Visayas	2024	2	15	15	93	153	153	20
Visayas	2024	2	15	16	92	153	153	20
Visayas	2024	2	15	17	85	153	153	20
Visayas	2024	2	15	18	84	153	153	20
Visayas	2024	2	15	19	86	153	153	20
Visayas	2024	2	15	20	83	153	153	20
Visayas	2024	2	15	21	80	153	153	20
Visayas	2024	2	15	22	75	153	153	20
Visayas	2024	2	15	23	71	153	153	20
Visayas	2024	2	15	24	66	153	153	20
Visayas	2024	2	16	1	63	153	153	20
Visayas	2024	2	16	2	60	153	153	20
Visayas	2024	2	16	3	59	153	153	20
Visayas	2024	2	16	4	58	153	153	20
Visayas	2024	2	16	5	58	153	153	20
Visayas	2024	2	16	6	60	153	153	20
Visayas	2024	2	16	7	62	153	153	20
Visayas	2024	2	16	8	69	153	153	20
Visayas	2024	2	16	9	82	153	153	20
Visayas	2024	2	16	10	84	153	153	20
Visayas	2024	2	16	11	87	153	153	20
Visayas	2024	2	16	12	87	153	153	20
Visayas	2024	2	16	13	87	153	153	20
Visayas	2024	2	16	14	92	153	153	20
Visayas	2024	2	16	15	91	153	153	20
Visayas	2024	2	16	16	88	153	153	20
Visayas	2024	2	16	17	82	153	153	20
Visayas	2024	2	16	18	84	153	153	20
Visayas	2024	2	16	19	84	153	153	20
Visayas	2024	2	16	20	81	153	153	20
Visayas	2024	2	16	21	78	153	153	20
Visayas	2024	2	16	22	72	153	153	20
Visayas	2024	2	16	23	69	153	153	20
Visayas	2024	2	16	24	64	153	153	20
Visayas	2024	2	17	1	63	153	153	20
Visayas	2024	2	17	2	60	153	153	20
Visayas	2024	2	17	3	57	153	153	20
Visayas	2024	2	17	4	56	153	153	20
Visayas	2024	2	17	5	56	153	153	20
Visayas	2024	2	17	6	58	153	153	20
Visayas	2024	2	17	7	57	153	153	20
Visayas	2024	2	17	8	59	153	153	20
Visayas	2024	2	17	9	69	153	153	20
Visayas	2024	2	17	10	72	153	153	20
Visayas	2024	2	17	11	76	153	153	20
Visayas	2024	2	17	12	73	153	153	20
Visayas	2024	2	17	13	74	153	153	20
Visayas	2024	2	17	14	77	153	153	20
Visayas	2024	2	17	15	79	153	153	20
Visayas	2024	2	17	16	76	153	153	20
Visayas	2024	2	17	17	75	153	153	20
Visayas	2024	2	17	18	80	153	153	20
Visayas	2024	2	17	19	82	153	153	20
Visayas	2024	2	17	20	79	153	153	20
Visayas	2024	2	17	21	76	153	153	20
Visayas	2024	2	17	22	74	153	153	20
Visayas	2024	2	17	23	69	153	153	20
Visayas	2024	2	17	24	65	153	153	20
Visayas	2024	2	18	1	61	153	153	20
Visayas	2024	2	18	2	59	153	153	20
Visayas	2024	2	18	3	57	153	153	20
Visayas	2024	2	18	4	56	153	153	20
Visayas	2024	2	18	5	57	153	153	20
Visayas	2024	2	18	6	56	153	153	20
Visayas	2024	2	18	7	56	153	153	20
Visayas	2024	2	18	8	57	153	153	20
Visayas	2024	2	18	9	60	153	153	20
Visayas	2024	2	18	10	67	153	153	20
Visayas	2024	2	18	11	68	153	153	20
Visayas	2024	2	18	12	68	153	153	20
Visayas	2024	2	18	13	70	153	153	20
Visayas	2024	2	18	14	73	153	153	20
Visayas	2024	2	18	15	73	153	153	20
Visayas	2024	2	18	16	72	153	153	20
Visayas	2024	2	18	17	70	153	153	20
Visayas	2024	2	18	18	79	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	18	19	80	153	153	20
Visayas	2024	2	18	20	77	153	153	20
Visayas	2024	2	18	21	76	153	153	20
Visayas	2024	2	18	22	72	153	153	20
Visayas	2024	2	18	23	69	153	153	20
Visayas	2024	2	18	24	64	153	153	20
Visayas	2024	2	19	1	60	153	153	20
Visayas	2024	2	19	2	58	153	153	20
Visayas	2024	2	19	3	56	153	153	20
Visayas	2024	2	19	4	54	153	153	20
Visayas	2024	2	19	5	55	153	153	20
Visayas	2024	2	19	6	57	153	153	20
Visayas	2024	2	19	7	59	153	153	20
Visayas	2024	2	19	8	67	153	153	20
Visayas	2024	2	19	9	80	153	153	20
Visayas	2024	2	19	10	86	153	153	20
Visayas	2024	2	19	11	90	153	153	20
Visayas	2024	2	19	12	87	153	153	20
Visayas	2024	2	19	13	88	153	153	20
Visayas	2024	2	19	14	92	153	153	20
Visayas	2024	2	19	15	92	153	153	20
Visayas	2024	2	19	16	89	153	153	20
Visayas	2024	2	19	17	83	153	153	20
Visayas	2024	2	19	18	83	153	153	20
Visayas	2024	2	19	19	85	153	153	20
Visayas	2024	2	19	20	82	153	153	20
Visayas	2024	2	19	21	80	153	153	20
Visayas	2024	2	19	22	73	153	153	20
Visayas	2024	2	19	23	69	153	153	20
Visayas	2024	2	19	24	65	153	153	20
Visayas	2024	2	20	1	61	153	153	20
Visayas	2024	2	20	2	60	153	153	20
Visayas	2024	2	20	3	57	153	153	20
Visayas	2024	2	20	4	56	153	153	20
Visayas	2024	2	20	5	57	153	153	20
Visayas	2024	2	20	6	60	153	153	20
Visayas	2024	2	20	7	61	153	153	20
Visayas	2024	2	20	8	68	153	153	20
Visayas	2024	2	20	9	78	153	153	20
Visayas	2024	2	20	10	83	153	153	20
Visayas	2024	2	20	11	88	153	153	20
Visayas	2024	2	20	12	84	153	153	20
Visayas	2024	2	20	13	87	153	153	20
Visayas	2024	2	20	14	89	153	153	20
Visayas	2024	2	20	15	89	153	153	20
Visayas	2024	2	20	16	89	153	153	20
Visayas	2024	2	20	17	87	153	153	20
Visayas	2024	2	20	18	85	153	153	20
Visayas	2024	2	20	19	85	153	153	20
Visayas	2024	2	20	20	80	153	153	20
Visayas	2024	2	20	21	76	153	153	20
Visayas	2024	2	20	22	71	153	153	20
Visayas	2024	2	20	23	65	153	153	20
Visayas	2024	2	20	24	62	153	153	20
Visayas	2024	2	21	1	58	153	153	20
Visayas	2024	2	21	2	57	153	153	20
Visayas	2024	2	21	3	55	153	153	20
Visayas	2024	2	21	4	54	153	153	20
Visayas	2024	2	21	5	55	153	153	20
Visayas	2024	2	21	6	58	153	153	20
Visayas	2024	2	21	7	59	153	153	20
Visayas	2024	2	21	8	67	153	153	20
Visayas	2024	2	21	9	78	153	153	20
Visayas	2024	2	21	10	82	153	153	20
Visayas	2024	2	21	11	86	153	153	20
Visayas	2024	2	21	12	86	153	153	20
Visayas	2024	2	21	13	83	153	153	20
Visayas	2024	2	21	14	88	153	153	20
Visayas	2024	2	21	15	88	153	153	20
Visayas	2024	2	21	16	88	153	153	20
Visayas	2024	2	21	17	82	153	153	20
Visayas	2024	2	21	18	81	153	153	20
Visayas	2024	2	21	19	85	153	153	20
Visayas	2024	2	21	20	79	153	153	20
Visayas	2024	2	21	21	75	153	153	20
Visayas	2024	2	21	22	70	153	153	20
Visayas	2024	2	21	23	66	153	153	20
Visayas	2024	2	21	24	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	22	1	59	153	153	20
Visayas	2024	2	22	2	56	153	153	20
Visayas	2024	2	22	3	55	153	153	20
Visayas	2024	2	22	4	55	153	153	20
Visayas	2024	2	22	5	56	153	153	20
Visayas	2024	2	22	6	59	153	153	20
Visayas	2024	2	22	7	59	153	153	20
Visayas	2024	2	22	8	66	153	153	20
Visayas	2024	2	22	9	81	153	153	20
Visayas	2024	2	22	10	85	153	153	20
Visayas	2024	2	22	11	88	153	153	20
Visayas	2024	2	22	12	86	153	153	20
Visayas	2024	2	22	13	87	153	153	20
Visayas	2024	2	22	14	91	153	153	20
Visayas	2024	2	22	15	89	153	153	20
Visayas	2024	2	22	16	87	153	153	20
Visayas	2024	2	22	17	82	153	153	20
Visayas	2024	2	22	18	84	153	153	20
Visayas	2024	2	22	19	86	153	153	20
Visayas	2024	2	22	20	82	153	153	20
Visayas	2024	2	22	21	78	153	153	20
Visayas	2024	2	22	22	73	153	153	20
Visayas	2024	2	22	23	68	153	153	20
Visayas	2024	2	22	24	64	153	153	20
Visayas	2024	2	23	1	63	153	153	20
Visayas	2024	2	23	2	60	153	153	20
Visayas	2024	2	23	3	59	153	153	20
Visayas	2024	2	23	4	58	153	153	20
Visayas	2024	2	23	5	58	153	153	20
Visayas	2024	2	23	6	60	153	153	20
Visayas	2024	2	23	7	62	153	153	20
Visayas	2024	2	23	8	69	153	153	20
Visayas	2024	2	23	9	82	153	153	20
Visayas	2024	2	23	10	84	153	153	20
Visayas	2024	2	23	11	87	153	153	20
Visayas	2024	2	23	12	87	153	153	20
Visayas	2024	2	23	13	87	153	153	20
Visayas	2024	2	23	14	92	153	153	20
Visayas	2024	2	23	15	91	153	153	20
Visayas	2024	2	23	16	88	153	153	20
Visayas	2024	2	23	17	82	153	153	20
Visayas	2024	2	23	18	84	153	153	20
Visayas	2024	2	23	19	84	153	153	20
Visayas	2024	2	23	20	81	153	153	20
Visayas	2024	2	23	21	78	153	153	20
Visayas	2024	2	23	22	72	153	153	20
Visayas	2024	2	23	23	69	153	153	20
Visayas	2024	2	23	24	64	153	153	20
Visayas	2024	2	24	1	60	153	153	20
Visayas	2024	2	24	2	58	153	153	20
Visayas	2024	2	24	3	56	153	153	20
Visayas	2024	2	24	4	55	153	153	20
Visayas	2024	2	24	5	56	153	153	20
Visayas	2024	2	24	6	57	153	153	20
Visayas	2024	2	24	7	54	153	153	20
Visayas	2024	2	24	8	59	153	153	20
Visayas	2024	2	24	9	65	153	153	20
Visayas	2024	2	24	10	70	153	153	20
Visayas	2024	2	24	11	73	153	153	20
Visayas	2024	2	24	12	72	153	153	20
Visayas	2024	2	24	13	72	153	153	20
Visayas	2024	2	24	14	76	153	153	20
Visayas	2024	2	24	15	75	153	153	20
Visayas	2024	2	24	16	74	153	153	20
Visayas	2024	2	24	17	72	153	153	20
Visayas	2024	2	24	18	75	153	153	20
Visayas	2024	2	24	19	83	153	153	20
Visayas	2024	2	24	20	78	153	153	20
Visayas	2024	2	24	21	75	153	153	20
Visayas	2024	2	24	22	72	153	153	20
Visayas	2024	2	24	23	66	153	153	20
Visayas	2024	2	24	24	63	153	153	20
Visayas	2024	2	25	1	61	153	153	20
Visayas	2024	2	25	2	59	153	153	20
Visayas	2024	2	25	3	57	153	153	20
Visayas	2024	2	25	4	56	153	153	20
Visayas	2024	2	25	5	57	153	153	20
Visayas	2024	2	25	6	57	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	25	7	57	153	153	20
Visayas	2024	2	25	8	63	153	153	20
Visayas	2024	2	25	9	72	153	153	20
Visayas	2024	2	25	10	74	153	153	20
Visayas	2024	2	25	11	77	153	153	20
Visayas	2024	2	25	12	76	153	153	20
Visayas	2024	2	25	13	76	153	153	20
Visayas	2024	2	25	14	80	153	153	20
Visayas	2024	2	25	15	80	153	153	20
Visayas	2024	2	25	16	79	153	153	20
Visayas	2024	2	25	17	76	153	153	20
Visayas	2024	2	25	18	81	153	153	20
Visayas	2024	2	25	19	84	153	153	20
Visayas	2024	2	25	20	79	153	153	20
Visayas	2024	2	25	21	76	153	153	20
Visayas	2024	2	25	22	73	153	153	20
Visayas	2024	2	25	23	67	153	153	20
Visayas	2024	2	25	24	63	153	153	20
Visayas	2024	2	26	1	56	153	153	20
Visayas	2024	2	26	2	54	153	153	20
Visayas	2024	2	26	3	53	153	153	20
Visayas	2024	2	26	4	53	153	153	20
Visayas	2024	2	26	5	54	153	153	20
Visayas	2024	2	26	6	57	153	153	20
Visayas	2024	2	26	7	58	153	153	20
Visayas	2024	2	26	8	65	153	153	20
Visayas	2024	2	26	9	76	153	153	20
Visayas	2024	2	26	10	81	153	153	20
Visayas	2024	2	26	11	83	153	153	20
Visayas	2024	2	26	12	81	153	153	20
Visayas	2024	2	26	13	80	153	153	20
Visayas	2024	2	26	14	82	153	153	20
Visayas	2024	2	26	15	82	153	153	20
Visayas	2024	2	26	16	81	153	153	20
Visayas	2024	2	26	17	78	153	153	20
Visayas	2024	2	26	18	80	153	153	20
Visayas	2024	2	26	19	81	153	153	20
Visayas	2024	2	26	20	77	153	153	20
Visayas	2024	2	26	21	73	153	153	20
Visayas	2024	2	26	22	69	153	153	20
Visayas	2024	2	26	23	65	153	153	20
Visayas	2024	2	26	24	60	153	153	20
Visayas	2024	2	27	1	56	153	153	20
Visayas	2024	2	27	2	55	153	153	20
Visayas	2024	2	27	3	54	153	153	20
Visayas	2024	2	27	4	53	153	153	20
Visayas	2024	2	27	5	54	153	153	20
Visayas	2024	2	27	6	58	153	153	20
Visayas	2024	2	27	7	60	153	153	20
Visayas	2024	2	27	8	67	153	153	20
Visayas	2024	2	27	9	81	153	153	20
Visayas	2024	2	27	10	88	153	153	20
Visayas	2024	2	27	11	92	153	153	20
Visayas	2024	2	27	12	90	153	153	20
Visayas	2024	2	27	13	94	153	153	20
Visayas	2024	2	27	14	95	153	153	20
Visayas	2024	2	27	15	92	153	153	20
Visayas	2024	2	27	16	90	153	153	20
Visayas	2024	2	27	17	86	153	153	20
Visayas	2024	2	27	18	87	153	153	20
Visayas	2024	2	27	19	89	153	153	20
Visayas	2024	2	27	20	84	153	153	20
Visayas	2024	2	27	21	82	153	153	20
Visayas	2024	2	27	22	75	153	153	20
Visayas	2024	2	27	23	70	153	153	20
Visayas	2024	2	27	24	65	153	153	20
Visayas	2024	2	28	1	62	153	153	20
Visayas	2024	2	28	2	60	153	153	20
Visayas	2024	2	28	3	57	153	153	20
Visayas	2024	2	28	4	56	153	153	20
Visayas	2024	2	28	5	57	153	153	20
Visayas	2024	2	28	6	59	153	153	20
Visayas	2024	2	28	7	60	153	153	20
Visayas	2024	2	28	8	71	153	153	20
Visayas	2024	2	28	9	82	153	153	20
Visayas	2024	2	28	10	87	153	153	20
Visayas	2024	2	28	11	93	153	153	20
Visayas	2024	2	28	12	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	2	28	13	89	153	153	20
Visayas	2024	2	28	14	95	153	153	20
Visayas	2024	2	28	15	94	153	153	20
Visayas	2024	2	28	16	90	153	153	20
Visayas	2024	2	28	17	84	153	153	20
Visayas	2024	2	28	18	86	153	153	20
Visayas	2024	2	28	19	86	153	153	20
Visayas	2024	2	28	20	84	153	153	20
Visayas	2024	2	28	21	81	153	153	20
Visayas	2024	2	28	22	75	153	153	20
Visayas	2024	2	28	23	71	153	153	20
Visayas	2024	2	28	24	66	153	153	20
Visayas	2024	2	29	1	65	153	153	20
Visayas	2024	2	29	2	61	153	153	20
Visayas	2024	2	29	3	59	153	153	20
Visayas	2024	2	29	4	58	153	153	20
Visayas	2024	2	29	5	59	153	153	20
Visayas	2024	2	29	6	63	153	153	20
Visayas	2024	2	29	7	63	153	153	20
Visayas	2024	2	29	8	72	153	153	20
Visayas	2024	2	29	9	83	153	153	20
Visayas	2024	2	29	10	89	153	153	20
Visayas	2024	2	29	11	94	153	153	20
Visayas	2024	2	29	12	90	153	153	20
Visayas	2024	2	29	13	88	153	153	20
Visayas	2024	2	29	14	93	153	153	20
Visayas	2024	2	29	15	89	153	153	20
Visayas	2024	2	29	16	85	153	153	20
Visayas	2024	2	29	17	83	153	153	20
Visayas	2024	2	29	18	84	153	153	20
Visayas	2024	2	29	19	84	153	153	20
Visayas	2024	2	29	20	80	153	153	20
Visayas	2024	2	29	21	78	153	153	20
Visayas	2024	2	29	22	70	153	153	20
Visayas	2024	2	29	23	67	153	153	20
Visayas	2024	2	29	24	62	153	153	20
Visayas	2024	3	1	1	59	153	153	20
Visayas	2024	3	1	2	57	153	153	20
Visayas	2024	3	1	3	56	153	153	20
Visayas	2024	3	1	4	55	153	153	20
Visayas	2024	3	1	5	56	153	153	20
Visayas	2024	3	1	6	59	153	153	20
Visayas	2024	3	1	7	61	153	153	20
Visayas	2024	3	1	8	69	153	153	20
Visayas	2024	3	1	9	82	153	153	20
Visayas	2024	3	1	10	87	153	153	20
Visayas	2024	3	1	11	93	153	153	20
Visayas	2024	3	1	12	88	153	153	20
Visayas	2024	3	1	13	89	153	153	20
Visayas	2024	3	1	14	95	153	153	20
Visayas	2024	3	1	15	95	153	153	20
Visayas	2024	3	1	16	90	153	153	20
Visayas	2024	3	1	17	86	153	153	20
Visayas	2024	3	1	18	87	153	153	20
Visayas	2024	3	1	19	89	153	153	20
Visayas	2024	3	1	20	85	153	153	20
Visayas	2024	3	1	21	83	153	153	20
Visayas	2024	3	1	22	77	153	153	20
Visayas	2024	3	1	23	72	153	153	20
Visayas	2024	3	1	24	68	153	153	20
Visayas	2024	3	2	1	64	153	153	20
Visayas	2024	3	2	2	62	153	153	20
Visayas	2024	3	2	3	60	153	153	20
Visayas	2024	3	2	4	60	153	153	20
Visayas	2024	3	2	5	59	153	153	20
Visayas	2024	3	2	6	62	153	153	20
Visayas	2024	3	2	7	60	153	153	20
Visayas	2024	3	2	8	66	153	153	20
Visayas	2024	3	2	9	74	153	153	20
Visayas	2024	3	2	10	81	153	153	20
Visayas	2024	3	2	11	84	153	153	20
Visayas	2024	3	2	12	81	153	153	20
Visayas	2024	3	2	13	83	153	153	20
Visayas	2024	3	2	14	85	153	153	20
Visayas	2024	3	2	15	84	153	153	20
Visayas	2024	3	2	16	82	153	153	20
Visayas	2024	3	2	17	79	153	153	20
Visayas	2024	3	2	18	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	2	19	84	153	153	20
Visayas	2024	3	2	20	82	153	153	20
Visayas	2024	3	2	21	79	153	153	20
Visayas	2024	3	2	22	74	153	153	20
Visayas	2024	3	2	23	70	153	153	20
Visayas	2024	3	2	24	66	153	153	20
Visayas	2024	3	3	1	63	153	153	20
Visayas	2024	3	3	2	60	153	153	20
Visayas	2024	3	3	3	58	153	153	20
Visayas	2024	3	3	4	57	153	153	20
Visayas	2024	3	3	5	56	153	153	20
Visayas	2024	3	3	6	58	153	153	20
Visayas	2024	3	3	7	56	153	153	20
Visayas	2024	3	3	8	58	153	153	20
Visayas	2024	3	3	9	62	153	153	20
Visayas	2024	3	3	10	66	153	153	20
Visayas	2024	3	3	11	69	153	153	20
Visayas	2024	3	3	12	66	153	153	20
Visayas	2024	3	3	13	64	153	153	20
Visayas	2024	3	3	14	65	153	153	20
Visayas	2024	3	3	15	65	153	153	20
Visayas	2024	3	3	16	65	153	153	20
Visayas	2024	3	3	17	67	153	153	20
Visayas	2024	3	3	18	70	153	153	20
Visayas	2024	3	3	19	75	153	153	20
Visayas	2024	3	3	20	70	153	153	20
Visayas	2024	3	3	21	67	153	153	20
Visayas	2024	3	3	22	62	153	153	20
Visayas	2024	3	3	23	59	153	153	20
Visayas	2024	3	3	24	56	153	153	20
Visayas	2024	3	4	1	54	153	153	20
Visayas	2024	3	4	2	53	153	153	20
Visayas	2024	3	4	3	52	153	153	20
Visayas	2024	3	4	4	51	153	153	20
Visayas	2024	3	4	5	53	153	153	20
Visayas	2024	3	4	6	57	153	153	20
Visayas	2024	3	4	7	59	153	153	20
Visayas	2024	3	4	8	67	153	153	20
Visayas	2024	3	4	9	75	153	153	20
Visayas	2024	3	4	10	82	153	153	20
Visayas	2024	3	4	11	85	153	153	20
Visayas	2024	3	4	12	82	153	153	20
Visayas	2024	3	4	13	82	153	153	20
Visayas	2024	3	4	14	86	153	153	20
Visayas	2024	3	4	15	87	153	153	20
Visayas	2024	3	4	16	85	153	153	20
Visayas	2024	3	4	17	81	153	153	20
Visayas	2024	3	4	18	85	153	153	20
Visayas	2024	3	4	19	84	153	153	20
Visayas	2024	3	4	20	79	153	153	20
Visayas	2024	3	4	21	75	153	153	20
Visayas	2024	3	4	22	70	153	153	20
Visayas	2024	3	4	23	64	153	153	20
Visayas	2024	3	4	24	61	153	153	20
Visayas	2024	3	5	1	59	153	153	20
Visayas	2024	3	5	2	58	153	153	20
Visayas	2024	3	5	3	57	153	153	20
Visayas	2024	3	5	4	56	153	153	20
Visayas	2024	3	5	5	57	153	153	20
Visayas	2024	3	5	6	61	153	153	20
Visayas	2024	3	5	7	63	153	153	20
Visayas	2024	3	5	8	71	153	153	20
Visayas	2024	3	5	9	83	153	153	20
Visayas	2024	3	5	10	90	153	153	20
Visayas	2024	3	5	11	92	153	153	20
Visayas	2024	3	5	12	89	153	153	20
Visayas	2024	3	5	13	91	153	153	20
Visayas	2024	3	5	14	95	153	153	20
Visayas	2024	3	5	15	94	153	153	20
Visayas	2024	3	5	16	91	153	153	20
Visayas	2024	3	5	17	82	153	153	20
Visayas	2024	3	5	18	83	153	153	20
Visayas	2024	3	5	19	86	153	153	20
Visayas	2024	3	5	20	81	153	153	20
Visayas	2024	3	5	21	78	153	153	20
Visayas	2024	3	5	22	74	153	153	20
Visayas	2024	3	5	23	69	153	153	20
Visayas	2024	3	5	24	64	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	6	1	62	153	153	20
Visayas	2024	3	6	2	60	153	153	20
Visayas	2024	3	6	3	58	153	153	20
Visayas	2024	3	6	4	58	153	153	20
Visayas	2024	3	6	5	59	153	153	20
Visayas	2024	3	6	6	61	153	153	20
Visayas	2024	3	6	7	64	153	153	20
Visayas	2024	3	6	8	71	153	153	20
Visayas	2024	3	6	9	83	153	153	20
Visayas	2024	3	6	10	90	153	153	20
Visayas	2024	3	6	11	91	153	153	20
Visayas	2024	3	6	12	87	153	153	20
Visayas	2024	3	6	13	87	153	153	20
Visayas	2024	3	6	14	91	153	153	20
Visayas	2024	3	6	15	89	153	153	20
Visayas	2024	3	6	16	87	153	153	20
Visayas	2024	3	6	17	82	153	153	20
Visayas	2024	3	6	18	86	153	153	20
Visayas	2024	3	6	19	87	153	153	20
Visayas	2024	3	6	20	80	153	153	20
Visayas	2024	3	6	21	77	153	153	20
Visayas	2024	3	6	22	71	153	153	20
Visayas	2024	3	6	23	67	153	153	20
Visayas	2024	3	6	24	64	153	153	20
Visayas	2024	3	7	1	61	153	153	20
Visayas	2024	3	7	2	58	153	153	20
Visayas	2024	3	7	3	56	153	153	20
Visayas	2024	3	7	4	55	153	153	20
Visayas	2024	3	7	5	55	153	153	20
Visayas	2024	3	7	6	59	153	153	20
Visayas	2024	3	7	7	61	153	153	20
Visayas	2024	3	7	8	68	153	153	20
Visayas	2024	3	7	9	79	153	153	20
Visayas	2024	3	7	10	86	153	153	20
Visayas	2024	3	7	11	87	153	153	20
Visayas	2024	3	7	12	85	153	153	20
Visayas	2024	3	7	13	85	153	153	20
Visayas	2024	3	7	14	89	153	153	20
Visayas	2024	3	7	15	87	153	153	20
Visayas	2024	3	7	16	86	153	153	20
Visayas	2024	3	7	17	83	153	153	20
Visayas	2024	3	7	18	85	153	153	20
Visayas	2024	3	7	19	88	153	153	20
Visayas	2024	3	7	20	82	153	153	20
Visayas	2024	3	7	21	78	153	153	20
Visayas	2024	3	7	22	73	153	153	20
Visayas	2024	3	7	23	68	153	153	20
Visayas	2024	3	7	24	65	153	153	20
Visayas	2024	3	8	1	62	153	153	20
Visayas	2024	3	8	2	60	153	153	20
Visayas	2024	3	8	3	58	153	153	20
Visayas	2024	3	8	4	57	153	153	20
Visayas	2024	3	8	5	58	153	153	20
Visayas	2024	3	8	6	61	153	153	20
Visayas	2024	3	8	7	62	153	153	20
Visayas	2024	3	8	8	69	153	153	20
Visayas	2024	3	8	9	80	153	153	20
Visayas	2024	3	8	10	88	153	153	20
Visayas	2024	3	8	11	91	153	153	20
Visayas	2024	3	8	12	90	153	153	20
Visayas	2024	3	8	13	89	153	153	20
Visayas	2024	3	8	14	93	153	153	20
Visayas	2024	3	8	15	93	153	153	20
Visayas	2024	3	8	16	90	153	153	20
Visayas	2024	3	8	17	84	153	153	20
Visayas	2024	3	8	18	86	153	153	20
Visayas	2024	3	8	19	87	153	153	20
Visayas	2024	3	8	20	83	153	153	20
Visayas	2024	3	8	21	81	153	153	20
Visayas	2024	3	8	22	75	153	153	20
Visayas	2024	3	8	23	71	153	153	20
Visayas	2024	3	8	24	66	153	153	20
Visayas	2024	3	9	1	63	153	153	20
Visayas	2024	3	9	2	61	153	153	20
Visayas	2024	3	9	3	59	153	153	20
Visayas	2024	3	9	4	58	153	153	20
Visayas	2024	3	9	5	59	153	153	20
Visayas	2024	3	9	6	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	9	7	60	153	153	20
Visayas	2024	3	9	8	68	153	153	20
Visayas	2024	3	9	9	75	153	153	20
Visayas	2024	3	9	10	81	153	153	20
Visayas	2024	3	9	11	83	153	153	20
Visayas	2024	3	9	12	81	153	153	20
Visayas	2024	3	9	13	82	153	153	20
Visayas	2024	3	9	14	85	153	153	20
Visayas	2024	3	9	15	84	153	153	20
Visayas	2024	3	9	16	80	153	153	20
Visayas	2024	3	9	17	77	153	153	20
Visayas	2024	3	9	18	82	153	153	20
Visayas	2024	3	9	19	85	153	153	20
Visayas	2024	3	9	20	82	153	153	20
Visayas	2024	3	9	21	80	153	153	20
Visayas	2024	3	9	22	75	153	153	20
Visayas	2024	3	9	23	71	153	153	20
Visayas	2024	3	9	24	67	153	153	20
Visayas	2024	3	10	1	63	153	153	20
Visayas	2024	3	10	2	60	153	153	20
Visayas	2024	3	10	3	58	153	153	20
Visayas	2024	3	10	4	57	153	153	20
Visayas	2024	3	10	5	57	153	153	20
Visayas	2024	3	10	6	58	153	153	20
Visayas	2024	3	10	7	56	153	153	20
Visayas	2024	3	10	8	59	153	153	20
Visayas	2024	3	10	9	63	153	153	20
Visayas	2024	3	10	10	68	153	153	20
Visayas	2024	3	10	11	71	153	153	20
Visayas	2024	3	10	12	70	153	153	20
Visayas	2024	3	10	13	71	153	153	20
Visayas	2024	3	10	14	72	153	153	20
Visayas	2024	3	10	15	71	153	153	20
Visayas	2024	3	10	16	72	153	153	20
Visayas	2024	3	10	17	73	153	153	20
Visayas	2024	3	10	18	79	153	153	20
Visayas	2024	3	10	19	82	153	153	20
Visayas	2024	3	10	20	79	153	153	20
Visayas	2024	3	10	21	78	153	153	20
Visayas	2024	3	10	22	75	153	153	20
Visayas	2024	3	10	23	71	153	153	20
Visayas	2024	3	10	24	66	153	153	20
Visayas	2024	3	11	1	63	153	153	20
Visayas	2024	3	11	2	60	153	153	20
Visayas	2024	3	11	3	58	153	153	20
Visayas	2024	3	11	4	57	153	153	20
Visayas	2024	3	11	5	58	153	153	20
Visayas	2024	3	11	6	61	153	153	20
Visayas	2024	3	11	7	62	153	153	20
Visayas	2024	3	11	8	73	153	153	20
Visayas	2024	3	11	9	87	153	153	20
Visayas	2024	3	11	10	92	153	153	20
Visayas	2024	3	11	11	95	153	153	20
Visayas	2024	3	11	12	95	153	153	20
Visayas	2024	3	11	13	94	153	153	20
Visayas	2024	3	11	14	98	153	153	20
Visayas	2024	3	11	15	99	153	153	20
Visayas	2024	3	11	16	95	153	153	20
Visayas	2024	3	11	17	90	153	153	20
Visayas	2024	3	11	18	90	153	153	20
Visayas	2024	3	11	19	92	153	153	20
Visayas	2024	3	11	20	89	153	153	20
Visayas	2024	3	11	21	86	153	153	20
Visayas	2024	3	11	22	80	153	153	20
Visayas	2024	3	11	23	75	153	153	20
Visayas	2024	3	11	24	70	153	153	20
Visayas	2024	3	12	1	67	153	153	20
Visayas	2024	3	12	2	64	153	153	20
Visayas	2024	3	12	3	62	153	153	20
Visayas	2024	3	12	4	61	153	153	20
Visayas	2024	3	12	5	61	153	153	20
Visayas	2024	3	12	6	66	153	153	20
Visayas	2024	3	12	7	66	153	153	20
Visayas	2024	3	12	8	73	153	153	20
Visayas	2024	3	12	9	86	153	153	20
Visayas	2024	3	12	10	93	153	153	20
Visayas	2024	3	12	11	97	153	153	20
Visayas	2024	3	12	12	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	12	13	97	153	153	20
Visayas	2024	3	12	14	101	153	153	20
Visayas	2024	3	12	15	97	153	153	20
Visayas	2024	3	12	16	95	153	153	20
Visayas	2024	3	12	17	89	153	153	20
Visayas	2024	3	12	18	89	153	153	20
Visayas	2024	3	12	19	93	153	153	20
Visayas	2024	3	12	20	90	153	153	20
Visayas	2024	3	12	21	87	153	153	20
Visayas	2024	3	12	22	81	153	153	20
Visayas	2024	3	12	23	76	153	153	20
Visayas	2024	3	12	24	72	153	153	20
Visayas	2024	3	13	1	69	153	153	20
Visayas	2024	3	13	2	67	153	153	20
Visayas	2024	3	13	3	63	153	153	20
Visayas	2024	3	13	4	62	153	153	20
Visayas	2024	3	13	5	63	153	153	20
Visayas	2024	3	13	6	66	153	153	20
Visayas	2024	3	13	7	66	153	153	20
Visayas	2024	3	13	8	77	153	153	20
Visayas	2024	3	13	9	89	153	153	20
Visayas	2024	3	13	10	97	153	153	20
Visayas	2024	3	13	11	100	153	153	20
Visayas	2024	3	13	12	97	153	153	20
Visayas	2024	3	13	13	99	153	153	20
Visayas	2024	3	13	14	101	153	153	20
Visayas	2024	3	13	15	105	153	153	20
Visayas	2024	3	13	16	99	153	153	20
Visayas	2024	3	13	17	94	153	153	20
Visayas	2024	3	13	18	92	153	153	20
Visayas	2024	3	13	19	96	153	153	20
Visayas	2024	3	13	20	91	153	153	20
Visayas	2024	3	13	21	89	153	153	20
Visayas	2024	3	13	22	82	153	153	20
Visayas	2024	3	13	23	77	153	153	20
Visayas	2024	3	13	24	73	153	153	20
Visayas	2024	3	14	1	70	153	153	20
Visayas	2024	3	14	2	68	153	153	20
Visayas	2024	3	14	3	65	153	153	20
Visayas	2024	3	14	4	63	153	153	20
Visayas	2024	3	14	5	63	153	153	20
Visayas	2024	3	14	6	66	153	153	20
Visayas	2024	3	14	7	67	153	153	20
Visayas	2024	3	14	8	77	153	153	20
Visayas	2024	3	14	9	90	153	153	20
Visayas	2024	3	14	10	97	153	153	20
Visayas	2024	3	14	11	103	153	153	20
Visayas	2024	3	14	12	100	153	153	20
Visayas	2024	3	14	13	102	153	153	20
Visayas	2024	3	14	14	106	153	153	20
Visayas	2024	3	14	15	106	153	153	20
Visayas	2024	3	14	16	104	153	153	20
Visayas	2024	3	14	17	94	153	153	20
Visayas	2024	3	14	18	91	153	153	20
Visayas	2024	3	14	19	98	153	153	20
Visayas	2024	3	14	20	92	153	153	20
Visayas	2024	3	14	21	89	153	153	20
Visayas	2024	3	14	22	85	153	153	20
Visayas	2024	3	14	23	80	153	153	20
Visayas	2024	3	14	24	75	153	153	20
Visayas	2024	3	15	1	71	153	153	20
Visayas	2024	3	15	2	67	153	153	20
Visayas	2024	3	15	3	64	153	153	20
Visayas	2024	3	15	4	63	153	153	20
Visayas	2024	3	15	5	64	153	153	20
Visayas	2024	3	15	6	67	153	153	20
Visayas	2024	3	15	7	65	153	153	20
Visayas	2024	3	15	8	74	153	153	20
Visayas	2024	3	15	9	88	153	153	20
Visayas	2024	3	15	10	95	153	153	20
Visayas	2024	3	15	11	99	153	153	20
Visayas	2024	3	15	12	96	153	153	20
Visayas	2024	3	15	13	98	153	153	20
Visayas	2024	3	15	14	103	153	153	20
Visayas	2024	3	15	15	105	153	153	20
Visayas	2024	3	15	16	100	153	153	20
Visayas	2024	3	15	17	93	153	153	20
Visayas	2024	3	15	18	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	15	19	98	153	153	20
Visayas	2024	3	15	20	95	153	153	20
Visayas	2024	3	15	21	92	153	153	20
Visayas	2024	3	15	22	88	153	153	20
Visayas	2024	3	15	23	82	153	153	20
Visayas	2024	3	15	24	78	153	153	20
Visayas	2024	3	16	1	74	153	153	20
Visayas	2024	3	16	2	70	153	153	20
Visayas	2024	3	16	3	69	153	153	20
Visayas	2024	3	16	4	66	153	153	20
Visayas	2024	3	16	5	65	153	153	20
Visayas	2024	3	16	6	65	153	153	20
Visayas	2024	3	16	7	62	153	153	20
Visayas	2024	3	16	8	71	153	153	20
Visayas	2024	3	16	9	81	153	153	20
Visayas	2024	3	16	10	87	153	153	20
Visayas	2024	3	16	11	91	153	153	20
Visayas	2024	3	16	12	88	153	153	20
Visayas	2024	3	16	13	91	153	153	20
Visayas	2024	3	16	14	95	153	153	20
Visayas	2024	3	16	15	93	153	153	20
Visayas	2024	3	16	16	90	153	153	20
Visayas	2024	3	16	17	83	153	153	20
Visayas	2024	3	16	18	90	153	153	20
Visayas	2024	3	16	19	94	153	153	20
Visayas	2024	3	16	20	91	153	153	20
Visayas	2024	3	16	21	90	153	153	20
Visayas	2024	3	16	22	86	153	153	20
Visayas	2024	3	16	23	82	153	153	20
Visayas	2024	3	16	24	77	153	153	20
Visayas	2024	3	17	1	73	153	153	20
Visayas	2024	3	17	2	70	153	153	20
Visayas	2024	3	17	3	67	153	153	20
Visayas	2024	3	17	4	65	153	153	20
Visayas	2024	3	17	5	64	153	153	20
Visayas	2024	3	17	6	62	153	153	20
Visayas	2024	3	17	7	60	153	153	20
Visayas	2024	3	17	8	63	153	153	20
Visayas	2024	3	17	9	68	153	153	20
Visayas	2024	3	17	10	74	153	153	20
Visayas	2024	3	17	11	78	153	153	20
Visayas	2024	3	17	12	75	153	153	20
Visayas	2024	3	17	13	77	153	153	20
Visayas	2024	3	17	14	76	153	153	20
Visayas	2024	3	17	15	74	153	153	20
Visayas	2024	3	17	16	72	153	153	20
Visayas	2024	3	17	17	71	153	153	20
Visayas	2024	3	17	18	77	153	153	20
Visayas	2024	3	17	19	81	153	153	20
Visayas	2024	3	17	20	80	153	153	20
Visayas	2024	3	17	21	77	153	153	20
Visayas	2024	3	17	22	74	153	153	20
Visayas	2024	3	17	23	71	153	153	20
Visayas	2024	3	17	24	65	153	153	20
Visayas	2024	3	18	1	63	153	153	20
Visayas	2024	3	18	2	60	153	153	20
Visayas	2024	3	18	3	58	153	153	20
Visayas	2024	3	18	4	57	153	153	20
Visayas	2024	3	18	5	58	153	153	20
Visayas	2024	3	18	6	63	153	153	20
Visayas	2024	3	18	7	62	153	153	20
Visayas	2024	3	18	8	74	153	153	20
Visayas	2024	3	18	9	87	153	153	20
Visayas	2024	3	18	10	94	153	153	20
Visayas	2024	3	18	11	99	153	153	20
Visayas	2024	3	18	12	97	153	153	20
Visayas	2024	3	18	13	98	153	153	20
Visayas	2024	3	18	14	102	153	153	20
Visayas	2024	3	18	15	103	153	153	20
Visayas	2024	3	18	16	99	153	153	20
Visayas	2024	3	18	17	92	153	153	20
Visayas	2024	3	18	18	93	153	153	20
Visayas	2024	3	18	19	96	153	153	20
Visayas	2024	3	18	20	92	153	153	20
Visayas	2024	3	18	21	89	153	153	20
Visayas	2024	3	18	22	83	153	153	20
Visayas	2024	3	18	23	78	153	153	20
Visayas	2024	3	18	24	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	19	1	70	153	153	20
Visayas	2024	3	19	2	67	153	153	20
Visayas	2024	3	19	3	64	153	153	20
Visayas	2024	3	19	4	62	153	153	20
Visayas	2024	3	19	5	63	153	153	20
Visayas	2024	3	19	6	65	153	153	20
Visayas	2024	3	19	7	65	153	153	20
Visayas	2024	3	19	8	76	153	153	20
Visayas	2024	3	19	9	89	153	153	20
Visayas	2024	3	19	10	98	153	153	20
Visayas	2024	3	19	11	102	153	153	20
Visayas	2024	3	19	12	99	153	153	20
Visayas	2024	3	19	13	101	153	153	20
Visayas	2024	3	19	14	107	153	153	20
Visayas	2024	3	19	15	106	153	153	20
Visayas	2024	3	19	16	101	153	153	20
Visayas	2024	3	19	17	94	153	153	20
Visayas	2024	3	19	18	92	153	153	20
Visayas	2024	3	19	19	96	153	153	20
Visayas	2024	3	19	20	91	153	153	20
Visayas	2024	3	19	21	89	153	153	20
Visayas	2024	3	19	22	84	153	153	20
Visayas	2024	3	19	23	78	153	153	20
Visayas	2024	3	19	24	73	153	153	20
Visayas	2024	3	20	1	69	153	153	20
Visayas	2024	3	20	2	67	153	153	20
Visayas	2024	3	20	3	64	153	153	20
Visayas	2024	3	20	4	62	153	153	20
Visayas	2024	3	20	5	64	153	153	20
Visayas	2024	3	20	6	66	153	153	20
Visayas	2024	3	20	7	65	153	153	20
Visayas	2024	3	20	8	75	153	153	20
Visayas	2024	3	20	9	89	153	153	20
Visayas	2024	3	20	10	99	153	153	20
Visayas	2024	3	20	11	101	153	153	20
Visayas	2024	3	20	12	99	153	153	20
Visayas	2024	3	20	13	102	153	153	20
Visayas	2024	3	20	14	109	153	153	20
Visayas	2024	3	20	15	106	153	153	20
Visayas	2024	3	20	16	103	153	153	20
Visayas	2024	3	20	17	94	153	153	20
Visayas	2024	3	20	18	93	153	153	20
Visayas	2024	3	20	19	97	153	153	20
Visayas	2024	3	20	20	93	153	153	20
Visayas	2024	3	20	21	90	153	153	20
Visayas	2024	3	20	22	85	153	153	20
Visayas	2024	3	20	23	82	153	153	20
Visayas	2024	3	20	24	77	153	153	20
Visayas	2024	3	21	1	72	153	153	20
Visayas	2024	3	21	2	68	153	153	20
Visayas	2024	3	21	3	66	153	153	20
Visayas	2024	3	21	4	64	153	153	20
Visayas	2024	3	21	5	64	153	153	20
Visayas	2024	3	21	6	67	153	153	20
Visayas	2024	3	21	7	67	153	153	20
Visayas	2024	3	21	8	77	153	153	20
Visayas	2024	3	21	9	91	153	153	20
Visayas	2024	3	21	10	99	153	153	20
Visayas	2024	3	21	11	103	153	153	20
Visayas	2024	3	21	12	101	153	153	20
Visayas	2024	3	21	13	103	153	153	20
Visayas	2024	3	21	14	108	153	153	20
Visayas	2024	3	21	15	106	153	153	20
Visayas	2024	3	21	16	104	153	153	20
Visayas	2024	3	21	17	96	153	153	20
Visayas	2024	3	21	18	92	153	153	20
Visayas	2024	3	21	19	97	153	153	20
Visayas	2024	3	21	20	92	153	153	20
Visayas	2024	3	21	21	90	153	153	20
Visayas	2024	3	21	22	87	153	153	20
Visayas	2024	3	21	23	79	153	153	20
Visayas	2024	3	21	24	75	153	153	20
Visayas	2024	3	22	1	70	153	153	20
Visayas	2024	3	22	2	67	153	153	20
Visayas	2024	3	22	3	65	153	153	20
Visayas	2024	3	22	4	63	153	153	20
Visayas	2024	3	22	5	64	153	153	20
Visayas	2024	3	22	6	66	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	22	7	66	153	153	20
Visayas	2024	3	22	8	76	153	153	20
Visayas	2024	3	22	9	90	153	153	20
Visayas	2024	3	22	10	98	153	153	20
Visayas	2024	3	22	11	102	153	153	20
Visayas	2024	3	22	12	99	153	153	20
Visayas	2024	3	22	13	102	153	153	20
Visayas	2024	3	22	14	106	153	153	20
Visayas	2024	3	22	15	105	153	153	20
Visayas	2024	3	22	16	101	153	153	20
Visayas	2024	3	22	17	94	153	153	20
Visayas	2024	3	22	18	92	153	153	20
Visayas	2024	3	22	19	96	153	153	20
Visayas	2024	3	22	20	94	153	153	20
Visayas	2024	3	22	21	90	153	153	20
Visayas	2024	3	22	22	86	153	153	20
Visayas	2024	3	22	23	79	153	153	20
Visayas	2024	3	22	24	75	153	153	20
Visayas	2024	3	23	1	72	153	153	20
Visayas	2024	3	23	2	68	153	153	20
Visayas	2024	3	23	3	65	153	153	20
Visayas	2024	3	23	4	63	153	153	20
Visayas	2024	3	23	5	63	153	153	20
Visayas	2024	3	23	6	64	153	153	20
Visayas	2024	3	23	7	64	153	153	20
Visayas	2024	3	23	8	70	153	153	20
Visayas	2024	3	23	9	78	153	153	20
Visayas	2024	3	23	10	82	153	153	20
Visayas	2024	3	23	11	88	153	153	20
Visayas	2024	3	23	12	88	153	153	20
Visayas	2024	3	23	13	88	153	153	20
Visayas	2024	3	23	14	92	153	153	20
Visayas	2024	3	23	15	93	153	153	20
Visayas	2024	3	23	16	89	153	153	20
Visayas	2024	3	23	17	83	153	153	20
Visayas	2024	3	23	18	86	153	153	20
Visayas	2024	3	23	19	92	153	153	20
Visayas	2024	3	23	20	89	153	153	20
Visayas	2024	3	23	21	86	153	153	20
Visayas	2024	3	23	22	83	153	153	20
Visayas	2024	3	23	23	79	153	153	20
Visayas	2024	3	23	24	74	153	153	20
Visayas	2024	3	24	1	71	153	153	20
Visayas	2024	3	24	2	68	153	153	20
Visayas	2024	3	24	3	64	153	153	20
Visayas	2024	3	24	4	62	153	153	20
Visayas	2024	3	24	5	60	153	153	20
Visayas	2024	3	24	6	61	153	153	20
Visayas	2024	3	24	7	59	153	153	20
Visayas	2024	3	24	8	61	153	153	20
Visayas	2024	3	24	9	65	153	153	20
Visayas	2024	3	24	10	68	153	153	20
Visayas	2024	3	24	11	73	153	153	20
Visayas	2024	3	24	12	71	153	153	20
Visayas	2024	3	24	13	71	153	153	20
Visayas	2024	3	24	14	73	153	153	20
Visayas	2024	3	24	15	72	153	153	20
Visayas	2024	3	24	16	70	153	153	20
Visayas	2024	3	24	17	70	153	153	20
Visayas	2024	3	24	18	78	153	153	20
Visayas	2024	3	24	19	83	153	153	20
Visayas	2024	3	24	20	81	153	153	20
Visayas	2024	3	24	21	79	153	153	20
Visayas	2024	3	24	22	75	153	153	20
Visayas	2024	3	24	23	70	153	153	20
Visayas	2024	3	24	24	66	153	153	20
Visayas	2024	3	25	1	62	153	153	20
Visayas	2024	3	25	2	60	153	153	20
Visayas	2024	3	25	3	58	153	153	20
Visayas	2024	3	25	4	57	153	153	20
Visayas	2024	3	25	5	58	153	153	20
Visayas	2024	3	25	6	61	153	153	20
Visayas	2024	3	25	7	62	153	153	20
Visayas	2024	3	25	8	72	153	153	20
Visayas	2024	3	25	9	86	153	153	20
Visayas	2024	3	25	10	91	153	153	20
Visayas	2024	3	25	11	92	153	153	20
Visayas	2024	3	25	12	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	25	13	90	153	153	20
Visayas	2024	3	25	14	94	153	153	20
Visayas	2024	3	25	15	94	153	153	20
Visayas	2024	3	25	16	92	153	153	20
Visayas	2024	3	25	17	87	153	153	20
Visayas	2024	3	25	18	88	153	153	20
Visayas	2024	3	25	19	89	153	153	20
Visayas	2024	3	25	20	85	153	153	20
Visayas	2024	3	25	21	81	153	153	20
Visayas	2024	3	25	22	78	153	153	20
Visayas	2024	3	25	23	73	153	153	20
Visayas	2024	3	25	24	69	153	153	20
Visayas	2024	3	26	1	65	153	153	20
Visayas	2024	3	26	2	63	153	153	20
Visayas	2024	3	26	3	60	153	153	20
Visayas	2024	3	26	4	60	153	153	20
Visayas	2024	3	26	5	60	153	153	20
Visayas	2024	3	26	6	63	153	153	20
Visayas	2024	3	26	7	64	153	153	20
Visayas	2024	3	26	8	75	153	153	20
Visayas	2024	3	26	9	88	153	153	20
Visayas	2024	3	26	10	97	153	153	20
Visayas	2024	3	26	11	102	153	153	20
Visayas	2024	3	26	12	97	153	153	20
Visayas	2024	3	26	13	100	153	153	20
Visayas	2024	3	26	14	107	153	153	20
Visayas	2024	3	26	15	104	153	153	20
Visayas	2024	3	26	16	100	153	153	20
Visayas	2024	3	26	17	92	153	153	20
Visayas	2024	3	26	18	91	153	153	20
Visayas	2024	3	26	19	93	153	153	20
Visayas	2024	3	26	20	91	153	153	20
Visayas	2024	3	26	21	88	153	153	20
Visayas	2024	3	26	22	86	153	153	20
Visayas	2024	3	26	23	80	153	153	20
Visayas	2024	3	26	24	74	153	153	20
Visayas	2024	3	27	1	70	153	153	20
Visayas	2024	3	27	2	68	153	153	20
Visayas	2024	3	27	3	65	153	153	20
Visayas	2024	3	27	4	63	153	153	20
Visayas	2024	3	27	5	63	153	153	20
Visayas	2024	3	27	6	65	153	153	20
Visayas	2024	3	27	7	66	153	153	20
Visayas	2024	3	27	8	77	153	153	20
Visayas	2024	3	27	9	91	153	153	20
Visayas	2024	3	27	10	99	153	153	20
Visayas	2024	3	27	11	104	153	153	20
Visayas	2024	3	27	12	101	153	153	20
Visayas	2024	3	27	13	102	153	153	20
Visayas	2024	3	27	14	108	153	153	20
Visayas	2024	3	27	15	106	153	153	20
Visayas	2024	3	27	16	104	153	153	20
Visayas	2024	3	27	17	96	153	153	20
Visayas	2024	3	27	18	94	153	153	20
Visayas	2024	3	27	19	99	153	153	20
Visayas	2024	3	27	20	95	153	153	20
Visayas	2024	3	27	21	93	153	153	20
Visayas	2024	3	27	22	89	153	153	20
Visayas	2024	3	27	23	82	153	153	20
Visayas	2024	3	27	24	77	153	153	20
Visayas	2024	3	28	1	53	153	153	20
Visayas	2024	3	28	2	52	153	153	20
Visayas	2024	3	28	3	50	153	153	20
Visayas	2024	3	28	4	49	153	153	20
Visayas	2024	3	28	5	49	153	153	20
Visayas	2024	3	28	6	50	153	153	20
Visayas	2024	3	28	7	50	153	153	20
Visayas	2024	3	28	8	52	153	153	20
Visayas	2024	3	28	9	55	153	153	20
Visayas	2024	3	28	10	58	153	153	20
Visayas	2024	3	28	11	58	153	153	20
Visayas	2024	3	28	12	57	153	153	20
Visayas	2024	3	28	13	57	153	153	20
Visayas	2024	3	28	14	59	153	153	20
Visayas	2024	3	28	15	58	153	153	20
Visayas	2024	3	28	16	58	153	153	20
Visayas	2024	3	28	17	56	153	153	20
Visayas	2024	3	28	18	64	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	3	28	19	67	153	153	20
Visayas	2024	3	28	20	65	153	153	20
Visayas	2024	3	28	21	64	153	153	20
Visayas	2024	3	28	22	60	153	153	20
Visayas	2024	3	28	23	57	153	153	20
Visayas	2024	3	28	24	54	153	153	20
Visayas	2024	3	29	1	52	153	153	20
Visayas	2024	3	29	2	50	153	153	20
Visayas	2024	3	29	3	48	153	153	20
Visayas	2024	3	29	4	47	153	153	20
Visayas	2024	3	29	5	47	153	153	20
Visayas	2024	3	29	6	48	153	153	20
Visayas	2024	3	29	7	48	153	153	20
Visayas	2024	3	29	8	49	153	153	20
Visayas	2024	3	29	9	51	153	153	20
Visayas	2024	3	29	10	53	153	153	20
Visayas	2024	3	29	11	54	153	153	20
Visayas	2024	3	29	12	55	153	153	20
Visayas	2024	3	29	13	54	153	153	20
Visayas	2024	3	29	14	55	153	153	20
Visayas	2024	3	29	15	54	153	153	20
Visayas	2024	3	29	16	54	153	153	20
Visayas	2024	3	29	17	53	153	153	20
Visayas	2024	3	29	18	59	153	153	20
Visayas	2024	3	29	19	63	153	153	20
Visayas	2024	3	29	20	64	153	153	20
Visayas	2024	3	29	21	64	153	153	20
Visayas	2024	3	29	22	62	153	153	20
Visayas	2024	3	29	23	59	153	153	20
Visayas	2024	3	29	24	55	153	153	20
Visayas	2024	3	30	1	71	153	153	20
Visayas	2024	3	30	2	68	153	153	20
Visayas	2024	3	30	3	66	153	153	20
Visayas	2024	3	30	4	64	153	153	20
Visayas	2024	3	30	5	64	153	153	20
Visayas	2024	3	30	6	64	153	153	20
Visayas	2024	3	30	7	64	153	153	20
Visayas	2024	3	30	8	70	153	153	20
Visayas	2024	3	30	9	79	153	153	20
Visayas	2024	3	30	10	84	153	153	20
Visayas	2024	3	30	11	88	153	153	20
Visayas	2024	3	30	12	86	153	153	20
Visayas	2024	3	30	13	86	153	153	20
Visayas	2024	3	30	14	90	153	153	20
Visayas	2024	3	30	15	89	153	153	20
Visayas	2024	3	30	16	86	153	153	20
Visayas	2024	3	30	17	81	153	153	20
Visayas	2024	3	30	18	88	153	153	20
Visayas	2024	3	30	19	90	153	153	20
Visayas	2024	3	30	20	87	153	153	20
Visayas	2024	3	30	21	84	153	153	20
Visayas	2024	3	30	22	79	153	153	20
Visayas	2024	3	30	23	74	153	153	20
Visayas	2024	3	30	24	71	153	153	20
Visayas	2024	3	31	1	66	153	153	20
Visayas	2024	3	31	2	63	153	153	20
Visayas	2024	3	31	3	62	153	153	20
Visayas	2024	3	31	4	60	153	153	20
Visayas	2024	3	31	5	60	153	153	20
Visayas	2024	3	31	6	60	153	153	20
Visayas	2024	3	31	7	54	153	153	20
Visayas	2024	3	31	8	56	153	153	20
Visayas	2024	3	31	9	62	153	153	20
Visayas	2024	3	31	10	66	153	153	20
Visayas	2024	3	31	11	69	153	153	20
Visayas	2024	3	31	12	70	153	153	20
Visayas	2024	3	31	13	71	153	153	20
Visayas	2024	3	31	14	72	153	153	20
Visayas	2024	3	31	15	72	153	153	20
Visayas	2024	3	31	16	71	153	153	20
Visayas	2024	3	31	17	71	153	153	20
Visayas	2024	3	31	18	80	153	153	20
Visayas	2024	3	31	19	88	153	153	20
Visayas	2024	3	31	20	85	153	153	20
Visayas	2024	3	31	21	82	153	153	20
Visayas	2024	3	31	22	78	153	153	20
Visayas	2024	3	31	23	74	153	153	20
Visayas	2024	3	31	24	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	1	1	65	153	153	20
Visayas	2024	4	1	2	62	153	153	20
Visayas	2024	4	1	3	59	153	153	20
Visayas	2024	4	1	4	58	153	153	20
Visayas	2024	4	1	5	59	153	153	20
Visayas	2024	4	1	6	62	153	153	20
Visayas	2024	4	1	7	63	153	153	20
Visayas	2024	4	1	8	74	153	153	20
Visayas	2024	4	1	9	88	153	153	20
Visayas	2024	4	1	10	94	153	153	20
Visayas	2024	4	1	11	98	153	153	20
Visayas	2024	4	1	12	96	153	153	20
Visayas	2024	4	1	13	98	153	153	20
Visayas	2024	4	1	14	102	153	153	20
Visayas	2024	4	1	15	102	153	153	20
Visayas	2024	4	1	16	100	153	153	20
Visayas	2024	4	1	17	92	153	153	20
Visayas	2024	4	1	18	94	153	153	20
Visayas	2024	4	1	19	94	153	153	20
Visayas	2024	4	1	20	91	153	153	20
Visayas	2024	4	1	21	90	153	153	20
Visayas	2024	4	1	22	85	153	153	20
Visayas	2024	4	1	23	80	153	153	20
Visayas	2024	4	1	24	75	153	153	20
Visayas	2024	4	2	1	72	153	153	20
Visayas	2024	4	2	2	68	153	153	20
Visayas	2024	4	2	3	66	153	153	20
Visayas	2024	4	2	4	64	153	153	20
Visayas	2024	4	2	5	65	153	153	20
Visayas	2024	4	2	6	69	153	153	20
Visayas	2024	4	2	7	68	153	153	20
Visayas	2024	4	2	8	77	153	153	20
Visayas	2024	4	2	9	91	153	153	20
Visayas	2024	4	2	10	94	153	153	20
Visayas	2024	4	2	11	100	153	153	20
Visayas	2024	4	2	12	91	153	153	20
Visayas	2024	4	2	13	88	153	153	20
Visayas	2024	4	2	14	91	153	153	20
Visayas	2024	4	2	15	91	153	153	20
Visayas	2024	4	2	16	91	153	153	20
Visayas	2024	4	2	17	87	153	153	20
Visayas	2024	4	2	18	89	153	153	20
Visayas	2024	4	2	19	88	153	153	20
Visayas	2024	4	2	20	85	153	153	20
Visayas	2024	4	2	21	81	153	153	20
Visayas	2024	4	2	22	76	153	153	20
Visayas	2024	4	2	23	72	153	153	20
Visayas	2024	4	2	24	68	153	153	20
Visayas	2024	4	3	1	65	153	153	20
Visayas	2024	4	3	2	62	153	153	20
Visayas	2024	4	3	3	61	153	153	20
Visayas	2024	4	3	4	59	153	153	20
Visayas	2024	4	3	5	61	153	153	20
Visayas	2024	4	3	6	64	153	153	20
Visayas	2024	4	3	7	64	153	153	20
Visayas	2024	4	3	8	71	153	153	20
Visayas	2024	4	3	9	82	153	153	20
Visayas	2024	4	3	10	89	153	153	20
Visayas	2024	4	3	11	95	153	153	20
Visayas	2024	4	3	12	90	153	153	20
Visayas	2024	4	3	13	91	153	153	20
Visayas	2024	4	3	14	97	153	153	20
Visayas	2024	4	3	15	96	153	153	20
Visayas	2024	4	3	16	95	153	153	20
Visayas	2024	4	3	17	89	153	153	20
Visayas	2024	4	3	18	90	153	153	20
Visayas	2024	4	3	19	93	153	153	20
Visayas	2024	4	3	20	90	153	153	20
Visayas	2024	4	3	21	92	153	153	20
Visayas	2024	4	3	22	78	153	153	20
Visayas	2024	4	3	23	73	153	153	20
Visayas	2024	4	3	24	69	153	153	20
Visayas	2024	4	4	1	67	153	153	20
Visayas	2024	4	4	2	63	153	153	20
Visayas	2024	4	4	3	61	153	153	20
Visayas	2024	4	4	4	60	153	153	20
Visayas	2024	4	4	5	61	153	153	20
Visayas	2024	4	4	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	4	7	64	153	153	20
Visayas	2024	4	4	8	73	153	153	20
Visayas	2024	4	4	9	85	153	153	20
Visayas	2024	4	4	10	92	153	153	20
Visayas	2024	4	4	11	95	153	153	20
Visayas	2024	4	4	12	91	153	153	20
Visayas	2024	4	4	13	92	153	153	20
Visayas	2024	4	4	14	95	153	153	20
Visayas	2024	4	4	15	94	153	153	20
Visayas	2024	4	4	16	92	153	153	20
Visayas	2024	4	4	17	87	153	153	20
Visayas	2024	4	4	18	90	153	153	20
Visayas	2024	4	4	19	87	153	153	20
Visayas	2024	4	4	20	84	153	153	20
Visayas	2024	4	4	21	78	153	153	20
Visayas	2024	4	4	22	73	153	153	20
Visayas	2024	4	4	23	68	153	153	20
Visayas	2024	4	4	24	64	153	153	20
Visayas	2024	4	5	1	60	153	153	20
Visayas	2024	4	5	2	58	153	153	20
Visayas	2024	4	5	3	57	153	153	20
Visayas	2024	4	5	4	56	153	153	20
Visayas	2024	4	5	5	57	153	153	20
Visayas	2024	4	5	6	61	153	153	20
Visayas	2024	4	5	7	62	153	153	20
Visayas	2024	4	5	8	70	153	153	20
Visayas	2024	4	5	9	80	153	153	20
Visayas	2024	4	5	10	87	153	153	20
Visayas	2024	4	5	11	91	153	153	20
Visayas	2024	4	5	12	90	153	153	20
Visayas	2024	4	5	13	87	153	153	20
Visayas	2024	4	5	14	91	153	153	20
Visayas	2024	4	5	15	87	153	153	20
Visayas	2024	4	5	16	87	153	153	20
Visayas	2024	4	5	17	83	153	153	20
Visayas	2024	4	5	18	85	153	153	20
Visayas	2024	4	5	19	83	153	153	20
Visayas	2024	4	5	20	78	153	153	20
Visayas	2024	4	5	21	75	153	153	20
Visayas	2024	4	5	22	70	153	153	20
Visayas	2024	4	5	23	66	153	153	20
Visayas	2024	4	5	24	63	153	153	20
Visayas	2024	4	6	1	71	153	153	20
Visayas	2024	4	6	2	68	153	153	20
Visayas	2024	4	6	3	66	153	153	20
Visayas	2024	4	6	4	64	153	153	20
Visayas	2024	4	6	5	64	153	153	20
Visayas	2024	4	6	6	64	153	153	20
Visayas	2024	4	6	7	64	153	153	20
Visayas	2024	4	6	8	70	153	153	20
Visayas	2024	4	6	9	79	153	153	20
Visayas	2024	4	6	10	84	153	153	20
Visayas	2024	4	6	11	88	153	153	20
Visayas	2024	4	6	12	86	153	153	20
Visayas	2024	4	6	13	86	153	153	20
Visayas	2024	4	6	14	90	153	153	20
Visayas	2024	4	6	15	89	153	153	20
Visayas	2024	4	6	16	86	153	153	20
Visayas	2024	4	6	17	81	153	153	20
Visayas	2024	4	6	18	88	153	153	20
Visayas	2024	4	6	19	90	153	153	20
Visayas	2024	4	6	20	87	153	153	20
Visayas	2024	4	6	21	84	153	153	20
Visayas	2024	4	6	22	79	153	153	20
Visayas	2024	4	6	23	74	153	153	20
Visayas	2024	4	6	24	71	153	153	20
Visayas	2024	4	7	1	56	153	153	20
Visayas	2024	4	7	2	54	153	153	20
Visayas	2024	4	7	3	53	153	153	20
Visayas	2024	4	7	4	52	153	153	20
Visayas	2024	4	7	5	52	153	153	20
Visayas	2024	4	7	6	54	153	153	20
Visayas	2024	4	7	7	54	153	153	20
Visayas	2024	4	7	8	56	153	153	20
Visayas	2024	4	7	9	56	153	153	20
Visayas	2024	4	7	10	58	153	153	20
Visayas	2024	4	7	11	59	153	153	20
Visayas	2024	4	7	12	59	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	7	13	57	153	153	20
Visayas	2024	4	7	14	57	153	153	20
Visayas	2024	4	7	15	57	153	153	20
Visayas	2024	4	7	16	59	153	153	20
Visayas	2024	4	7	17	63	153	153	20
Visayas	2024	4	7	18	70	153	153	20
Visayas	2024	4	7	19	70	153	153	20
Visayas	2024	4	7	20	65	153	153	20
Visayas	2024	4	7	21	61	153	153	20
Visayas	2024	4	7	22	56	153	153	20
Visayas	2024	4	7	23	52	153	153	20
Visayas	2024	4	7	24	50	153	153	20
Visayas	2024	4	8	1	47	153	153	20
Visayas	2024	4	8	2	45	153	153	20
Visayas	2024	4	8	3	44	153	153	20
Visayas	2024	4	8	4	44	153	153	20
Visayas	2024	4	8	5	44	153	153	20
Visayas	2024	4	8	6	48	153	153	20
Visayas	2024	4	8	7	51	153	153	20
Visayas	2024	4	8	8	55	153	153	20
Visayas	2024	4	8	9	63	153	153	20
Visayas	2024	4	8	10	68	153	153	20
Visayas	2024	4	8	11	70	153	153	20
Visayas	2024	4	8	12	67	153	153	20
Visayas	2024	4	8	13	64	153	153	20
Visayas	2024	4	8	14	67	153	153	20
Visayas	2024	4	8	15	67	153	153	20
Visayas	2024	4	8	16	66	153	153	20
Visayas	2024	4	8	17	66	153	153	20
Visayas	2024	4	8	18	70	153	153	20
Visayas	2024	4	8	19	70	153	153	20
Visayas	2024	4	8	20	64	153	153	20
Visayas	2024	4	8	21	60	153	153	20
Visayas	2024	4	8	22	55	153	153	20
Visayas	2024	4	8	23	53	153	153	20
Visayas	2024	4	8	24	50	153	153	20
Visayas	2024	4	9	1	60	153	153	20
Visayas	2024	4	9	2	58	153	153	20
Visayas	2024	4	9	3	56	153	153	20
Visayas	2024	4	9	4	56	153	153	20
Visayas	2024	4	9	5	55	153	153	20
Visayas	2024	4	9	6	56	153	153	20
Visayas	2024	4	9	7	53	153	153	20
Visayas	2024	4	9	8	56	153	153	20
Visayas	2024	4	9	9	62	153	153	20
Visayas	2024	4	9	10	66	153	153	20
Visayas	2024	4	9	11	67	153	153	20
Visayas	2024	4	9	12	67	153	153	20
Visayas	2024	4	9	13	67	153	153	20
Visayas	2024	4	9	14	68	153	153	20
Visayas	2024	4	9	15	65	153	153	20
Visayas	2024	4	9	16	66	153	153	20
Visayas	2024	4	9	17	69	153	153	20
Visayas	2024	4	9	18	75	153	153	20
Visayas	2024	4	9	19	78	153	153	20
Visayas	2024	4	9	20	75	153	153	20
Visayas	2024	4	9	21	72	153	153	20
Visayas	2024	4	9	22	66	153	153	20
Visayas	2024	4	9	23	62	153	153	20
Visayas	2024	4	9	24	58	153	153	20
Visayas	2024	4	10	1	47	153	153	20
Visayas	2024	4	10	2	47	153	153	20
Visayas	2024	4	10	3	46	153	153	20
Visayas	2024	4	10	4	46	153	153	20
Visayas	2024	4	10	5	47	153	153	20
Visayas	2024	4	10	6	50	153	153	20
Visayas	2024	4	10	7	52	153	153	20
Visayas	2024	4	10	8	57	153	153	20
Visayas	2024	4	10	9	65	153	153	20
Visayas	2024	4	10	10	72	153	153	20
Visayas	2024	4	10	11	75	153	153	20
Visayas	2024	4	10	12	72	153	153	20
Visayas	2024	4	10	13	72	153	153	20
Visayas	2024	4	10	14	75	153	153	20
Visayas	2024	4	10	15	74	153	153	20
Visayas	2024	4	10	16	73	153	153	20
Visayas	2024	4	10	17	71	153	153	20
Visayas	2024	4	10	18	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	10	19	75	153	153	20
Visayas	2024	4	10	20	72	153	153	20
Visayas	2024	4	10	21	69	153	153	20
Visayas	2024	4	10	22	63	153	153	20
Visayas	2024	4	10	23	59	153	153	20
Visayas	2024	4	10	24	55	153	153	20
Visayas	2024	4	11	1	67	153	153	20
Visayas	2024	4	11	2	63	153	153	20
Visayas	2024	4	11	3	61	153	153	20
Visayas	2024	4	11	4	60	153	153	20
Visayas	2024	4	11	5	61	153	153	20
Visayas	2024	4	11	6	65	153	153	20
Visayas	2024	4	11	7	64	153	153	20
Visayas	2024	4	11	8	73	153	153	20
Visayas	2024	4	11	9	85	153	153	20
Visayas	2024	4	11	10	92	153	153	20
Visayas	2024	4	11	11	95	153	153	20
Visayas	2024	4	11	12	91	153	153	20
Visayas	2024	4	11	13	92	153	153	20
Visayas	2024	4	11	14	95	153	153	20
Visayas	2024	4	11	15	94	153	153	20
Visayas	2024	4	11	16	92	153	153	20
Visayas	2024	4	11	17	87	153	153	20
Visayas	2024	4	11	18	90	153	153	20
Visayas	2024	4	11	19	87	153	153	20
Visayas	2024	4	11	20	84	153	153	20
Visayas	2024	4	11	21	78	153	153	20
Visayas	2024	4	11	22	73	153	153	20
Visayas	2024	4	11	23	68	153	153	20
Visayas	2024	4	11	24	64	153	153	20
Visayas	2024	4	12	1	60	153	153	20
Visayas	2024	4	12	2	58	153	153	20
Visayas	2024	4	12	3	57	153	153	20
Visayas	2024	4	12	4	56	153	153	20
Visayas	2024	4	12	5	57	153	153	20
Visayas	2024	4	12	6	61	153	153	20
Visayas	2024	4	12	7	62	153	153	20
Visayas	2024	4	12	8	70	153	153	20
Visayas	2024	4	12	9	80	153	153	20
Visayas	2024	4	12	10	87	153	153	20
Visayas	2024	4	12	11	91	153	153	20
Visayas	2024	4	12	12	90	153	153	20
Visayas	2024	4	12	13	87	153	153	20
Visayas	2024	4	12	14	91	153	153	20
Visayas	2024	4	12	15	87	153	153	20
Visayas	2024	4	12	16	87	153	153	20
Visayas	2024	4	12	17	83	153	153	20
Visayas	2024	4	12	18	85	153	153	20
Visayas	2024	4	12	19	83	153	153	20
Visayas	2024	4	12	20	78	153	153	20
Visayas	2024	4	12	21	75	153	153	20
Visayas	2024	4	12	22	70	153	153	20
Visayas	2024	4	12	23	66	153	153	20
Visayas	2024	4	12	24	63	153	153	20
Visayas	2024	4	13	1	53	153	153	20
Visayas	2024	4	13	2	51	153	153	20
Visayas	2024	4	13	3	49	153	153	20
Visayas	2024	4	13	4	48	153	153	20
Visayas	2024	4	13	5	48	153	153	20
Visayas	2024	4	13	6	50	153	153	20
Visayas	2024	4	13	7	50	153	153	20
Visayas	2024	4	13	8	54	153	153	20
Visayas	2024	4	13	9	58	153	153	20
Visayas	2024	4	13	10	64	153	153	20
Visayas	2024	4	13	11	67	153	153	20
Visayas	2024	4	13	12	66	153	153	20
Visayas	2024	4	13	13	68	153	153	20
Visayas	2024	4	13	14	71	153	153	20
Visayas	2024	4	13	15	70	153	153	20
Visayas	2024	4	13	16	68	153	153	20
Visayas	2024	4	13	17	67	153	153	20
Visayas	2024	4	13	18	73	153	153	20
Visayas	2024	4	13	19	78	153	153	20
Visayas	2024	4	13	20	73	153	153	20
Visayas	2024	4	13	21	71	153	153	20
Visayas	2024	4	13	22	68	153	153	20
Visayas	2024	4	13	23	63	153	153	20
Visayas	2024	4	13	24	60	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	14	1	57	153	153	20
Visayas	2024	4	14	2	55	153	153	20
Visayas	2024	4	14	3	54	153	153	20
Visayas	2024	4	14	4	52	153	153	20
Visayas	2024	4	14	5	52	153	153	20
Visayas	2024	4	14	6	52	153	153	20
Visayas	2024	4	14	7	53	153	153	20
Visayas	2024	4	14	8	54	153	153	20
Visayas	2024	4	14	9	58	153	153	20
Visayas	2024	4	14	10	63	153	153	20
Visayas	2024	4	14	11	68	153	153	20
Visayas	2024	4	14	12	66	153	153	20
Visayas	2024	4	14	13	67	153	153	20
Visayas	2024	4	14	14	70	153	153	20
Visayas	2024	4	14	15	69	153	153	20
Visayas	2024	4	14	16	68	153	153	20
Visayas	2024	4	14	17	68	153	153	20
Visayas	2024	4	14	18	72	153	153	20
Visayas	2024	4	14	19	80	153	153	20
Visayas	2024	4	14	20	77	153	153	20
Visayas	2024	4	14	21	77	153	153	20
Visayas	2024	4	14	22	72	153	153	20
Visayas	2024	4	14	23	67	153	153	20
Visayas	2024	4	14	24	62	153	153	20
Visayas	2024	4	15	1	59	153	153	20
Visayas	2024	4	15	2	57	153	153	20
Visayas	2024	4	15	3	55	153	153	20
Visayas	2024	4	15	4	55	153	153	20
Visayas	2024	4	15	5	55	153	153	20
Visayas	2024	4	15	6	57	153	153	20
Visayas	2024	4	15	7	59	153	153	20
Visayas	2024	4	15	8	70	153	153	20
Visayas	2024	4	15	9	82	153	153	20
Visayas	2024	4	15	10	88	153	153	20
Visayas	2024	4	15	11	94	153	153	20
Visayas	2024	4	15	12	94	153	153	20
Visayas	2024	4	15	13	95	153	153	20
Visayas	2024	4	15	14	102	153	153	20
Visayas	2024	4	15	15	101	153	153	20
Visayas	2024	4	15	16	97	153	153	20
Visayas	2024	4	15	17	90	153	153	20
Visayas	2024	4	15	18	88	153	153	20
Visayas	2024	4	15	19	92	153	153	20
Visayas	2024	4	15	20	89	153	153	20
Visayas	2024	4	15	21	85	153	153	20
Visayas	2024	4	15	22	80	153	153	20
Visayas	2024	4	15	23	75	153	153	20
Visayas	2024	4	15	24	71	153	153	20
Visayas	2024	4	16	1	68	153	153	20
Visayas	2024	4	16	2	64	153	153	20
Visayas	2024	4	16	3	62	153	153	20
Visayas	2024	4	16	4	60	153	153	20
Visayas	2024	4	16	5	60	153	153	20
Visayas	2024	4	16	6	63	153	153	20
Visayas	2024	4	16	7	63	153	153	20
Visayas	2024	4	16	8	74	153	153	20
Visayas	2024	4	16	9	87	153	153	20
Visayas	2024	4	16	10	95	153	153	20
Visayas	2024	4	16	11	98	153	153	20
Visayas	2024	4	16	12	96	153	153	20
Visayas	2024	4	16	13	97	153	153	20
Visayas	2024	4	16	14	102	153	153	20
Visayas	2024	4	16	15	101	153	153	20
Visayas	2024	4	16	16	98	153	153	20
Visayas	2024	4	16	17	89	153	153	20
Visayas	2024	4	16	18	89	153	153	20
Visayas	2024	4	16	19	92	153	153	20
Visayas	2024	4	16	20	88	153	153	20
Visayas	2024	4	16	21	86	153	153	20
Visayas	2024	4	16	22	82	153	153	20
Visayas	2024	4	16	23	78	153	153	20
Visayas	2024	4	16	24	73	153	153	20
Visayas	2024	4	17	1	69	153	153	20
Visayas	2024	4	17	2	65	153	153	20
Visayas	2024	4	17	3	62	153	153	20
Visayas	2024	4	17	4	61	153	153	20
Visayas	2024	4	17	5	62	153	153	20
Visayas	2024	4	17	6	64	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	17	7	65	153	153	20
Visayas	2024	4	17	8	76	153	153	20
Visayas	2024	4	17	9	89	153	153	20
Visayas	2024	4	17	10	96	153	153	20
Visayas	2024	4	17	11	102	153	153	20
Visayas	2024	4	17	12	98	153	153	20
Visayas	2024	4	17	13	100	153	153	20
Visayas	2024	4	17	14	105	153	153	20
Visayas	2024	4	17	15	103	153	153	20
Visayas	2024	4	17	16	102	153	153	20
Visayas	2024	4	17	17	94	153	153	20
Visayas	2024	4	17	18	93	153	153	20
Visayas	2024	4	17	19	97	153	153	20
Visayas	2024	4	17	20	94	153	153	20
Visayas	2024	4	17	21	91	153	153	20
Visayas	2024	4	17	22	87	153	153	20
Visayas	2024	4	17	23	81	153	153	20
Visayas	2024	4	17	24	78	153	153	20
Visayas	2024	4	18	1	72	153	153	20
Visayas	2024	4	18	2	70	153	153	20
Visayas	2024	4	18	3	68	153	153	20
Visayas	2024	4	18	4	66	153	153	20
Visayas	2024	4	18	5	66	153	153	20
Visayas	2024	4	18	6	68	153	153	20
Visayas	2024	4	18	7	70	153	153	20
Visayas	2024	4	18	8	81	153	153	20
Visayas	2024	4	18	9	97	153	153	20
Visayas	2024	4	18	10	101	153	153	20
Visayas	2024	4	18	11	105	153	153	20
Visayas	2024	4	18	12	103	153	153	20
Visayas	2024	4	18	13	105	153	153	20
Visayas	2024	4	18	14	109	153	153	20
Visayas	2024	4	18	15	108	153	153	20
Visayas	2024	4	18	16	104	153	153	20
Visayas	2024	4	18	17	96	153	153	20
Visayas	2024	4	18	18	95	153	153	20
Visayas	2024	4	18	19	97	153	153	20
Visayas	2024	4	18	20	92	153	153	20
Visayas	2024	4	18	21	92	153	153	20
Visayas	2024	4	18	22	88	153	153	20
Visayas	2024	4	18	23	83	153	153	20
Visayas	2024	4	18	24	81	153	153	20
Visayas	2024	4	19	1	74	153	153	20
Visayas	2024	4	19	2	70	153	153	20
Visayas	2024	4	19	3	68	153	153	20
Visayas	2024	4	19	4	67	153	153	20
Visayas	2024	4	19	5	67	153	153	20
Visayas	2024	4	19	6	71	153	153	20
Visayas	2024	4	19	7	69	153	153	20
Visayas	2024	4	19	8	81	153	153	20
Visayas	2024	4	19	9	93	153	153	20
Visayas	2024	4	19	10	97	153	153	20
Visayas	2024	4	19	11	101	153	153	20
Visayas	2024	4	19	12	99	153	153	20
Visayas	2024	4	19	13	101	153	153	20
Visayas	2024	4	19	14	106	153	153	20
Visayas	2024	4	19	15	106	153	153	20
Visayas	2024	4	19	16	103	153	153	20
Visayas	2024	4	19	17	93	153	153	20
Visayas	2024	4	19	18	93	153	153	20
Visayas	2024	4	19	19	97	153	153	20
Visayas	2024	4	19	20	95	153	153	20
Visayas	2024	4	19	21	94	153	153	20
Visayas	2024	4	19	22	88	153	153	20
Visayas	2024	4	19	23	83	153	153	20
Visayas	2024	4	19	24	77	153	153	20
Visayas	2024	4	20	1	74	153	153	20
Visayas	2024	4	20	2	70	153	153	20
Visayas	2024	4	20	3	68	153	153	20
Visayas	2024	4	20	4	66	153	153	20
Visayas	2024	4	20	5	68	153	153	20
Visayas	2024	4	20	6	65	153	153	20
Visayas	2024	4	20	7	66	153	153	20
Visayas	2024	4	20	8	72	153	153	20
Visayas	2024	4	20	9	81	153	153	20
Visayas	2024	4	20	10	87	153	153	20
Visayas	2024	4	20	11	91	153	153	20
Visayas	2024	4	20	12	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	20	13	90	153	153	20
Visayas	2024	4	20	14	94	153	153	20
Visayas	2024	4	20	15	93	153	153	20
Visayas	2024	4	20	16	89	153	153	20
Visayas	2024	4	20	17	85	153	153	20
Visayas	2024	4	20	18	89	153	153	20
Visayas	2024	4	20	19	95	153	153	20
Visayas	2024	4	20	20	93	153	153	20
Visayas	2024	4	20	21	90	153	153	20
Visayas	2024	4	20	22	86	153	153	20
Visayas	2024	4	20	23	80	153	153	20
Visayas	2024	4	20	24	77	153	153	20
Visayas	2024	4	21	1	73	153	153	20
Visayas	2024	4	21	2	70	153	153	20
Visayas	2024	4	21	3	66	153	153	20
Visayas	2024	4	21	4	65	153	153	20
Visayas	2024	4	21	5	65	153	153	20
Visayas	2024	4	21	6	63	153	153	20
Visayas	2024	4	21	7	61	153	153	20
Visayas	2024	4	21	8	65	153	153	20
Visayas	2024	4	21	9	70	153	153	20
Visayas	2024	4	21	10	75	153	153	20
Visayas	2024	4	21	11	78	153	153	20
Visayas	2024	4	21	12	78	153	153	20
Visayas	2024	4	21	13	79	153	153	20
Visayas	2024	4	21	14	81	153	153	20
Visayas	2024	4	21	15	81	153	153	20
Visayas	2024	4	21	16	79	153	153	20
Visayas	2024	4	21	17	77	153	153	20
Visayas	2024	4	21	18	84	153	153	20
Visayas	2024	4	21	19	88	153	153	20
Visayas	2024	4	21	20	88	153	153	20
Visayas	2024	4	21	21	87	153	153	20
Visayas	2024	4	21	22	83	153	153	20
Visayas	2024	4	21	23	79	153	153	20
Visayas	2024	4	21	24	74	153	153	20
Visayas	2024	4	22	1	71	153	153	20
Visayas	2024	4	22	2	69	153	153	20
Visayas	2024	4	22	3	65	153	153	20
Visayas	2024	4	22	4	63	153	153	20
Visayas	2024	4	22	5	64	153	153	20
Visayas	2024	4	22	6	66	153	153	20
Visayas	2024	4	22	7	67	153	153	20
Visayas	2024	4	22	8	79	153	153	20
Visayas	2024	4	22	9	94	153	153	20
Visayas	2024	4	22	10	100	153	153	20
Visayas	2024	4	22	11	104	153	153	20
Visayas	2024	4	22	12	103	153	153	20
Visayas	2024	4	22	13	104	153	153	20
Visayas	2024	4	22	14	109	153	153	20
Visayas	2024	4	22	15	108	153	153	20
Visayas	2024	4	22	16	105	153	153	20
Visayas	2024	4	22	17	97	153	153	20
Visayas	2024	4	22	18	96	153	153	20
Visayas	2024	4	22	19	101	153	153	20
Visayas	2024	4	22	20	97	153	153	20
Visayas	2024	4	22	21	95	153	153	20
Visayas	2024	4	22	22	90	153	153	20
Visayas	2024	4	22	23	87	153	153	20
Visayas	2024	4	22	24	82	153	153	20
Visayas	2024	4	23	1	76	153	153	20
Visayas	2024	4	23	2	73	153	153	20
Visayas	2024	4	23	3	71	153	153	20
Visayas	2024	4	23	4	68	153	153	20
Visayas	2024	4	23	5	68	153	153	20
Visayas	2024	4	23	6	72	153	153	20
Visayas	2024	4	23	7	71	153	153	20
Visayas	2024	4	23	8	83	153	153	20
Visayas	2024	4	23	9	97	153	153	20
Visayas	2024	4	23	10	104	153	153	20
Visayas	2024	4	23	11	105	153	153	20
Visayas	2024	4	23	12	103	153	153	20
Visayas	2024	4	23	13	106	153	153	20
Visayas	2024	4	23	14	110	153	153	20
Visayas	2024	4	23	15	107	153	153	20
Visayas	2024	4	23	16	104	153	153	20
Visayas	2024	4	23	17	95	153	153	20
Visayas	2024	4	23	18	96	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	23	19	96	153	153	20
Visayas	2024	4	23	20	93	153	153	20
Visayas	2024	4	23	21	90	153	153	20
Visayas	2024	4	23	22	77	153	153	20
Visayas	2024	4	23	23	77	153	153	20
Visayas	2024	4	23	24	75	153	153	20
Visayas	2024	4	24	1	71	153	153	20
Visayas	2024	4	24	2	69	153	153	20
Visayas	2024	4	24	3	65	153	153	20
Visayas	2024	4	24	4	65	153	153	20
Visayas	2024	4	24	5	64	153	153	20
Visayas	2024	4	24	6	67	153	153	20
Visayas	2024	4	24	7	67	153	153	20
Visayas	2024	4	24	8	77	153	153	20
Visayas	2024	4	24	9	92	153	153	20
Visayas	2024	4	24	10	99	153	153	20
Visayas	2024	4	24	11	101	153	153	20
Visayas	2024	4	24	12	100	153	153	20
Visayas	2024	4	24	13	101	153	153	20
Visayas	2024	4	24	14	107	153	153	20
Visayas	2024	4	24	15	106	153	153	20
Visayas	2024	4	24	16	103	153	153	20
Visayas	2024	4	24	17	95	153	153	20
Visayas	2024	4	24	18	94	153	153	20
Visayas	2024	4	24	19	98	153	153	20
Visayas	2024	4	24	20	94	153	153	20
Visayas	2024	4	24	21	92	153	153	20
Visayas	2024	4	24	22	87	153	153	20
Visayas	2024	4	24	23	84	153	153	20
Visayas	2024	4	24	24	74	153	153	20
Visayas	2024	4	25	1	69	153	153	20
Visayas	2024	4	25	2	68	153	153	20
Visayas	2024	4	25	3	66	153	153	20
Visayas	2024	4	25	4	63	153	153	20
Visayas	2024	4	25	5	64	153	153	20
Visayas	2024	4	25	6	66	153	153	20
Visayas	2024	4	25	7	67	153	153	20
Visayas	2024	4	25	8	78	153	153	20
Visayas	2024	4	25	9	92	153	153	20
Visayas	2024	4	25	10	98	153	153	20
Visayas	2024	4	25	11	102	153	153	20
Visayas	2024	4	25	12	100	153	153	20
Visayas	2024	4	25	13	101	153	153	20
Visayas	2024	4	25	14	105	153	153	20
Visayas	2024	4	25	15	101	153	153	20
Visayas	2024	4	25	16	99	153	153	20
Visayas	2024	4	25	17	92	153	153	20
Visayas	2024	4	25	18	94	153	153	20
Visayas	2024	4	25	19	96	153	153	20
Visayas	2024	4	25	20	93	153	153	20
Visayas	2024	4	25	21	88	153	153	20
Visayas	2024	4	25	22	85	153	153	20
Visayas	2024	4	25	23	83	153	153	20
Visayas	2024	4	25	24	76	153	153	20
Visayas	2024	4	26	1	72	153	153	20
Visayas	2024	4	26	2	71	153	153	20
Visayas	2024	4	26	3	69	153	153	20
Visayas	2024	4	26	4	68	153	153	20
Visayas	2024	4	26	5	68	153	153	20
Visayas	2024	4	26	6	69	153	153	20
Visayas	2024	4	26	7	67	153	153	20
Visayas	2024	4	26	8	79	153	153	20
Visayas	2024	4	26	9	92	153	153	20
Visayas	2024	4	26	10	101	153	153	20
Visayas	2024	4	26	11	107	153	153	20
Visayas	2024	4	26	12	102	153	153	20
Visayas	2024	4	26	13	104	153	153	20
Visayas	2024	4	26	14	109	153	153	20
Visayas	2024	4	26	15	107	153	153	20
Visayas	2024	4	26	16	104	153	153	20
Visayas	2024	4	26	17	96	153	153	20
Visayas	2024	4	26	18	95	153	153	20
Visayas	2024	4	26	19	97	153	153	20
Visayas	2024	4	26	20	94	153	153	20
Visayas	2024	4	26	21	93	153	153	20
Visayas	2024	4	26	22	87	153	153	20
Visayas	2024	4	26	23	82	153	153	20
Visayas	2024	4	26	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	27	1	73	153	153	20
Visayas	2024	4	27	2	70	153	153	20
Visayas	2024	4	27	3	67	153	153	20
Visayas	2024	4	27	4	65	153	153	20
Visayas	2024	4	27	5	66	153	153	20
Visayas	2024	4	27	6	65	153	153	20
Visayas	2024	4	27	7	65	153	153	20
Visayas	2024	4	27	8	73	153	153	20
Visayas	2024	4	27	9	83	153	153	20
Visayas	2024	4	27	10	90	153	153	20
Visayas	2024	4	27	11	94	153	153	20
Visayas	2024	4	27	12	87	153	153	20
Visayas	2024	4	27	13	93	153	153	20
Visayas	2024	4	27	14	98	153	153	20
Visayas	2024	4	27	15	95	153	153	20
Visayas	2024	4	27	16	91	153	153	20
Visayas	2024	4	27	17	87	153	153	20
Visayas	2024	4	27	18	91	153	153	20
Visayas	2024	4	27	19	95	153	153	20
Visayas	2024	4	27	20	92	153	153	20
Visayas	2024	4	27	21	89	153	153	20
Visayas	2024	4	27	22	85	153	153	20
Visayas	2024	4	27	23	80	153	153	20
Visayas	2024	4	27	24	75	153	153	20
Visayas	2024	4	28	1	73	153	153	20
Visayas	2024	4	28	2	70	153	153	20
Visayas	2024	4	28	3	66	153	153	20
Visayas	2024	4	28	4	65	153	153	20
Visayas	2024	4	28	5	65	153	153	20
Visayas	2024	4	28	6	63	153	153	20
Visayas	2024	4	28	7	61	153	153	20
Visayas	2024	4	28	8	65	153	153	20
Visayas	2024	4	28	9	70	153	153	20
Visayas	2024	4	28	10	75	153	153	20
Visayas	2024	4	28	11	78	153	153	20
Visayas	2024	4	28	12	78	153	153	20
Visayas	2024	4	28	13	79	153	153	20
Visayas	2024	4	28	14	81	153	153	20
Visayas	2024	4	28	15	81	153	153	20
Visayas	2024	4	28	16	79	153	153	20
Visayas	2024	4	28	17	77	153	153	20
Visayas	2024	4	28	18	84	153	153	20
Visayas	2024	4	28	19	88	153	153	20
Visayas	2024	4	28	20	88	153	153	20
Visayas	2024	4	28	21	87	153	153	20
Visayas	2024	4	28	22	83	153	153	20
Visayas	2024	4	28	23	79	153	153	20
Visayas	2024	4	28	24	74	153	153	20
Visayas	2024	4	29	1	68	153	153	20
Visayas	2024	4	29	2	67	153	153	20
Visayas	2024	4	29	3	63	153	153	20
Visayas	2024	4	29	4	61	153	153	20
Visayas	2024	4	29	5	61	153	153	20
Visayas	2024	4	29	6	62	153	153	20
Visayas	2024	4	29	7	66	153	153	20
Visayas	2024	4	29	8	76	153	153	20
Visayas	2024	4	29	9	92	153	153	20
Visayas	2024	4	29	10	100	153	153	20
Visayas	2024	4	29	11	105	153	153	20
Visayas	2024	4	29	12	101	153	153	20
Visayas	2024	4	29	13	102	153	153	20
Visayas	2024	4	29	14	107	153	153	20
Visayas	2024	4	29	15	108	153	153	20
Visayas	2024	4	29	16	104	153	153	20
Visayas	2024	4	29	17	96	153	153	20
Visayas	2024	4	29	18	92	153	153	20
Visayas	2024	4	29	19	98	153	153	20
Visayas	2024	4	29	20	94	153	153	20
Visayas	2024	4	29	21	93	153	153	20
Visayas	2024	4	29	22	88	153	153	20
Visayas	2024	4	29	23	82	153	153	20
Visayas	2024	4	29	24	78	153	153	20
Visayas	2024	4	30	1	75	153	153	20
Visayas	2024	4	30	2	70	153	153	20
Visayas	2024	4	30	3	68	153	153	20
Visayas	2024	4	30	4	66	153	153	20
Visayas	2024	4	30	5	65	153	153	20
Visayas	2024	4	30	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	4	30	7	65	153	153	20
Visayas	2024	4	30	8	73	153	153	20
Visayas	2024	4	30	9	82	153	153	20
Visayas	2024	4	30	10	89	153	153	20
Visayas	2024	4	30	11	93	153	153	20
Visayas	2024	4	30	12	90	153	153	20
Visayas	2024	4	30	13	90	153	153	20
Visayas	2024	4	30	14	96	153	153	20
Visayas	2024	4	30	15	93	153	153	20
Visayas	2024	4	30	16	90	153	153	20
Visayas	2024	4	30	17	85	153	153	20
Visayas	2024	4	30	18	89	153	153	20
Visayas	2024	4	30	19	95	153	153	20
Visayas	2024	4	30	20	92	153	153	20
Visayas	2024	4	30	21	90	153	153	20
Visayas	2024	4	30	22	86	153	153	20
Visayas	2024	4	30	23	81	153	153	20
Visayas	2024	4	30	24	76	153	153	20
Visayas	2024	5	1	1	71	153	153	20
Visayas	2024	5	1	2	67	153	153	20
Visayas	2024	5	1	3	63	153	153	20
Visayas	2024	5	1	4	61	153	153	20
Visayas	2024	5	1	5	61	153	153	20
Visayas	2024	5	1	6	59	153	153	20
Visayas	2024	5	1	7	61	153	153	20
Visayas	2024	5	1	8	62	153	153	20
Visayas	2024	5	1	9	68	153	153	20
Visayas	2024	5	1	10	74	153	153	20
Visayas	2024	5	1	11	76	153	153	20
Visayas	2024	5	1	12	76	153	153	20
Visayas	2024	5	1	13	76	153	153	20
Visayas	2024	5	1	14	79	153	153	20
Visayas	2024	5	1	15	78	153	153	20
Visayas	2024	5	1	16	78	153	153	20
Visayas	2024	5	1	17	76	153	153	20
Visayas	2024	5	1	18	80	153	153	20
Visayas	2024	5	1	19	89	153	153	20
Visayas	2024	5	1	20	86	153	153	20
Visayas	2024	5	1	21	85	153	153	20
Visayas	2024	5	1	22	82	153	153	20
Visayas	2024	5	1	23	77	153	153	20
Visayas	2024	5	1	24	72	153	153	20
Visayas	2024	5	2	1	74	153	153	20
Visayas	2024	5	2	2	71	153	153	20
Visayas	2024	5	2	3	68	153	153	20
Visayas	2024	5	2	4	64	153	153	20
Visayas	2024	5	2	5	66	153	153	20
Visayas	2024	5	2	6	69	153	153	20
Visayas	2024	5	2	7	68	153	153	20
Visayas	2024	5	2	8	81	153	153	20
Visayas	2024	5	2	9	94	153	153	20
Visayas	2024	5	2	10	103	153	153	20
Visayas	2024	5	2	11	106	153	153	20
Visayas	2024	5	2	12	104	153	153	20
Visayas	2024	5	2	13	104	153	153	20
Visayas	2024	5	2	14	107	153	153	20
Visayas	2024	5	2	15	107	153	153	20
Visayas	2024	5	2	16	103	153	153	20
Visayas	2024	5	2	17	98	153	153	20
Visayas	2024	5	2	18	94	153	153	20
Visayas	2024	5	2	19	100	153	153	20
Visayas	2024	5	2	20	97	153	153	20
Visayas	2024	5	2	21	96	153	153	20
Visayas	2024	5	2	22	89	153	153	20
Visayas	2024	5	2	23	85	153	153	20
Visayas	2024	5	2	24	80	153	153	20
Visayas	2024	5	3	1	76	153	153	20
Visayas	2024	5	3	2	73	153	153	20
Visayas	2024	5	3	3	69	153	153	20
Visayas	2024	5	3	4	66	153	153	20
Visayas	2024	5	3	5	67	153	153	20
Visayas	2024	5	3	6	67	153	153	20
Visayas	2024	5	3	7	69	153	153	20
Visayas	2024	5	3	8	80	153	153	20
Visayas	2024	5	3	9	96	153	153	20
Visayas	2024	5	3	10	102	153	153	20
Visayas	2024	5	3	11	106	153	153	20
Visayas	2024	5	3	12	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	3	13	106	153	153	20
Visayas	2024	5	3	14	110	153	153	20
Visayas	2024	5	3	15	109	153	153	20
Visayas	2024	5	3	16	106	153	153	20
Visayas	2024	5	3	17	100	153	153	20
Visayas	2024	5	3	18	95	153	153	20
Visayas	2024	5	3	19	99	153	153	20
Visayas	2024	5	3	20	96	153	153	20
Visayas	2024	5	3	21	94	153	153	20
Visayas	2024	5	3	22	90	153	153	20
Visayas	2024	5	3	23	85	153	153	20
Visayas	2024	5	3	24	80	153	153	20
Visayas	2024	5	4	1	76	153	153	20
Visayas	2024	5	4	2	73	153	153	20
Visayas	2024	5	4	3	71	153	153	20
Visayas	2024	5	4	4	69	153	153	20
Visayas	2024	5	4	5	69	153	153	20
Visayas	2024	5	4	6	67	153	153	20
Visayas	2024	5	4	7	70	153	153	20
Visayas	2024	5	4	8	76	153	153	20
Visayas	2024	5	4	9	88	153	153	20
Visayas	2024	5	4	10	95	153	153	20
Visayas	2024	5	4	11	99	153	153	20
Visayas	2024	5	4	12	96	153	153	20
Visayas	2024	5	4	13	98	153	153	20
Visayas	2024	5	4	14	102	153	153	20
Visayas	2024	5	4	15	100	153	153	20
Visayas	2024	5	4	16	97	153	153	20
Visayas	2024	5	4	17	90	153	153	20
Visayas	2024	5	4	18	92	153	153	20
Visayas	2024	5	4	19	98	153	153	20
Visayas	2024	5	4	20	96	153	153	20
Visayas	2024	5	4	21	93	153	153	20
Visayas	2024	5	4	22	92	153	153	20
Visayas	2024	5	4	23	86	153	153	20
Visayas	2024	5	4	24	83	153	153	20
Visayas	2024	5	5	1	79	153	153	20
Visayas	2024	5	5	2	75	153	153	20
Visayas	2024	5	5	3	72	153	153	20
Visayas	2024	5	5	4	69	153	153	20
Visayas	2024	5	5	5	69	153	153	20
Visayas	2024	5	5	6	67	153	153	20
Visayas	2024	5	5	7	64	153	153	20
Visayas	2024	5	5	8	67	153	153	20
Visayas	2024	5	5	9	72	153	153	20
Visayas	2024	5	5	10	81	153	153	20
Visayas	2024	5	5	11	83	153	153	20
Visayas	2024	5	5	12	84	153	153	20
Visayas	2024	5	5	13	85	153	153	20
Visayas	2024	5	5	14	84	153	153	20
Visayas	2024	5	5	15	84	153	153	20
Visayas	2024	5	5	16	84	153	153	20
Visayas	2024	5	5	17	81	153	153	20
Visayas	2024	5	5	18	82	153	153	20
Visayas	2024	5	5	19	90	153	153	20
Visayas	2024	5	5	20	88	153	153	20
Visayas	2024	5	5	21	88	153	153	20
Visayas	2024	5	5	22	86	153	153	20
Visayas	2024	5	5	23	83	153	153	20
Visayas	2024	5	5	24	78	153	153	20
Visayas	2024	5	6	1	73	153	153	20
Visayas	2024	5	6	2	70	153	153	20
Visayas	2024	5	6	3	68	153	153	20
Visayas	2024	5	6	4	66	153	153	20
Visayas	2024	5	6	5	67	153	153	20
Visayas	2024	5	6	6	63	153	153	20
Visayas	2024	5	6	7	58	153	153	20
Visayas	2024	5	6	8	59	153	153	20
Visayas	2024	5	6	9	60	153	153	20
Visayas	2024	5	6	10	64	153	153	20
Visayas	2024	5	6	11	70	153	153	20
Visayas	2024	5	6	12	73	153	153	20
Visayas	2024	5	6	13	75	153	153	20
Visayas	2024	5	6	14	77	153	153	20
Visayas	2024	5	6	15	77	153	153	20
Visayas	2024	5	6	16	75	153	153	20
Visayas	2024	5	6	17	73	153	153	20
Visayas	2024	5	6	18	79	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	6	19	90	153	153	20
Visayas	2024	5	6	20	86	153	153	20
Visayas	2024	5	6	21	85	153	153	20
Visayas	2024	5	6	22	83	153	153	20
Visayas	2024	5	6	23	80	153	153	20
Visayas	2024	5	6	24	76	153	153	20
Visayas	2024	5	7	1	72	153	153	20
Visayas	2024	5	7	2	69	153	153	20
Visayas	2024	5	7	3	67	153	153	20
Visayas	2024	5	7	4	63	153	153	20
Visayas	2024	5	7	5	64	153	153	20
Visayas	2024	5	7	6	66	153	153	20
Visayas	2024	5	7	7	68	153	153	20
Visayas	2024	5	7	8	80	153	153	20
Visayas	2024	5	7	9	93	153	153	20
Visayas	2024	5	7	10	103	153	153	20
Visayas	2024	5	7	11	106	153	153	20
Visayas	2024	5	7	12	105	153	153	20
Visayas	2024	5	7	13	106	153	153	20
Visayas	2024	5	7	14	109	153	153	20
Visayas	2024	5	7	15	108	153	153	20
Visayas	2024	5	7	16	106	153	153	20
Visayas	2024	5	7	17	97	153	153	20
Visayas	2024	5	7	18	97	153	153	20
Visayas	2024	5	7	19	102	153	153	20
Visayas	2024	5	7	20	97	153	153	20
Visayas	2024	5	7	21	96	153	153	20
Visayas	2024	5	7	22	91	153	153	20
Visayas	2024	5	7	23	86	153	153	20
Visayas	2024	5	7	24	81	153	153	20
Visayas	2024	5	8	1	77	153	153	20
Visayas	2024	5	8	2	74	153	153	20
Visayas	2024	5	8	3	71	153	153	20
Visayas	2024	5	8	4	68	153	153	20
Visayas	2024	5	8	5	69	153	153	20
Visayas	2024	5	8	6	69	153	153	20
Visayas	2024	5	8	7	72	153	153	20
Visayas	2024	5	8	8	83	153	153	20
Visayas	2024	5	8	9	98	153	153	20
Visayas	2024	5	8	10	106	153	153	20
Visayas	2024	5	8	11	110	153	153	20
Visayas	2024	5	8	12	109	153	153	20
Visayas	2024	5	8	13	109	153	153	20
Visayas	2024	5	8	14	113	153	153	20
Visayas	2024	5	8	15	112	153	153	20
Visayas	2024	5	8	16	109	153	153	20
Visayas	2024	5	8	17	102	153	153	20
Visayas	2024	5	8	18	98	153	153	20
Visayas	2024	5	8	19	103	153	153	20
Visayas	2024	5	8	20	102	153	153	20
Visayas	2024	5	8	21	100	153	153	20
Visayas	2024	5	8	22	95	153	153	20
Visayas	2024	5	8	23	89	153	153	20
Visayas	2024	5	8	24	84	153	153	20
Visayas	2024	5	9	1	80	153	153	20
Visayas	2024	5	9	2	76	153	153	20
Visayas	2024	5	9	3	74	153	153	20
Visayas	2024	5	9	4	71	153	153	20
Visayas	2024	5	9	5	71	153	153	20
Visayas	2024	5	9	6	71	153	153	20
Visayas	2024	5	9	7	73	153	153	20
Visayas	2024	5	9	8	85	153	153	20
Visayas	2024	5	9	9	102	153	153	20
Visayas	2024	5	9	10	109	153	153	20
Visayas	2024	5	9	11	110	153	153	20
Visayas	2024	5	9	12	109	153	153	20
Visayas	2024	5	9	13	110	153	153	20
Visayas	2024	5	9	14	114	153	153	20
Visayas	2024	5	9	15	114	153	153	20
Visayas	2024	5	9	16	112	153	153	20
Visayas	2024	5	9	17	105	153	153	20
Visayas	2024	5	9	18	101	153	153	20
Visayas	2024	5	9	19	105	153	153	20
Visayas	2024	5	9	20	103	153	153	20
Visayas	2024	5	9	21	103	153	153	20
Visayas	2024	5	9	22	98	153	153	20
Visayas	2024	5	9	23	93	153	153	20
Visayas	2024	5	9	24	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	10	1	83	153	153	20
Visayas	2024	5	10	2	79	153	153	20
Visayas	2024	5	10	3	75	153	153	20
Visayas	2024	5	10	4	71	153	153	20
Visayas	2024	5	10	5	71	153	153	20
Visayas	2024	5	10	6	71	153	153	20
Visayas	2024	5	10	7	73	153	153	20
Visayas	2024	5	10	8	85	153	153	20
Visayas	2024	5	10	9	101	153	153	20
Visayas	2024	5	10	10	107	153	153	20
Visayas	2024	5	10	11	111	153	153	20
Visayas	2024	5	10	12	109	153	153	20
Visayas	2024	5	10	13	110	153	153	20
Visayas	2024	5	10	14	115	153	153	20
Visayas	2024	5	10	15	113	153	153	20
Visayas	2024	5	10	16	109	153	153	20
Visayas	2024	5	10	17	102	153	153	20
Visayas	2024	5	10	18	99	153	153	20
Visayas	2024	5	10	19	105	153	153	20
Visayas	2024	5	10	20	100	153	153	20
Visayas	2024	5	10	21	97	153	153	20
Visayas	2024	5	10	22	93	153	153	20
Visayas	2024	5	10	23	88	153	153	20
Visayas	2024	5	10	24	84	153	153	20
Visayas	2024	5	11	1	79	153	153	20
Visayas	2024	5	11	2	76	153	153	20
Visayas	2024	5	11	3	73	153	153	20
Visayas	2024	5	11	4	70	153	153	20
Visayas	2024	5	11	5	69	153	153	20
Visayas	2024	5	11	6	71	153	153	20
Visayas	2024	5	11	7	70	153	153	20
Visayas	2024	5	11	8	76	153	153	20
Visayas	2024	5	11	9	86	153	153	20
Visayas	2024	5	11	10	92	153	153	20
Visayas	2024	5	11	11	95	153	153	20
Visayas	2024	5	11	12	93	153	153	20
Visayas	2024	5	11	13	95	153	153	20
Visayas	2024	5	11	14	98	153	153	20
Visayas	2024	5	11	15	95	153	153	20
Visayas	2024	5	11	16	93	153	153	20
Visayas	2024	5	11	17	90	153	153	20
Visayas	2024	5	11	18	92	153	153	20
Visayas	2024	5	11	19	96	153	153	20
Visayas	2024	5	11	20	93	153	153	20
Visayas	2024	5	11	21	90	153	153	20
Visayas	2024	5	11	22	86	153	153	20
Visayas	2024	5	11	23	81	153	153	20
Visayas	2024	5	11	24	77	153	153	20
Visayas	2024	5	12	1	74	153	153	20
Visayas	2024	5	12	2	71	153	153	20
Visayas	2024	5	12	3	68	153	153	20
Visayas	2024	5	12	4	65	153	153	20
Visayas	2024	5	12	5	66	153	153	20
Visayas	2024	5	12	6	63	153	153	20
Visayas	2024	5	12	7	61	153	153	20
Visayas	2024	5	12	8	65	153	153	20
Visayas	2024	5	12	9	69	153	153	20
Visayas	2024	5	12	10	72	153	153	20
Visayas	2024	5	12	11	73	153	153	20
Visayas	2024	5	12	12	74	153	153	20
Visayas	2024	5	12	13	74	153	153	20
Visayas	2024	5	12	14	75	153	153	20
Visayas	2024	5	12	15	77	153	153	20
Visayas	2024	5	12	16	76	153	153	20
Visayas	2024	5	12	17	77	153	153	20
Visayas	2024	5	12	18	83	153	153	20
Visayas	2024	5	12	19	88	153	153	20
Visayas	2024	5	12	20	83	153	153	20
Visayas	2024	5	12	21	81	153	153	20
Visayas	2024	5	12	22	78	153	153	20
Visayas	2024	5	12	23	73	153	153	20
Visayas	2024	5	12	24	69	153	153	20
Visayas	2024	5	13	1	65	153	153	20
Visayas	2024	5	13	2	63	153	153	20
Visayas	2024	5	13	3	60	153	153	20
Visayas	2024	5	13	4	60	153	153	20
Visayas	2024	5	13	5	61	153	153	20
Visayas	2024	5	13	6	63	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	13	7	65	153	153	20
Visayas	2024	5	13	8	77	153	153	20
Visayas	2024	5	13	9	94	153	153	20
Visayas	2024	5	13	10	101	153	153	20
Visayas	2024	5	13	11	104	153	153	20
Visayas	2024	5	13	12	102	153	153	20
Visayas	2024	5	13	13	105	153	153	20
Visayas	2024	5	13	14	110	153	153	20
Visayas	2024	5	13	15	108	153	153	20
Visayas	2024	5	13	16	104	153	153	20
Visayas	2024	5	13	17	96	153	153	20
Visayas	2024	5	13	18	97	153	153	20
Visayas	2024	5	13	19	97	153	153	20
Visayas	2024	5	13	20	95	153	153	20
Visayas	2024	5	13	21	94	153	153	20
Visayas	2024	5	13	22	87	153	153	20
Visayas	2024	5	13	23	82	153	153	20
Visayas	2024	5	13	24	78	153	153	20
Visayas	2024	5	14	1	74	153	153	20
Visayas	2024	5	14	2	71	153	153	20
Visayas	2024	5	14	3	68	153	153	20
Visayas	2024	5	14	4	67	153	153	20
Visayas	2024	5	14	5	67	153	153	20
Visayas	2024	5	14	6	69	153	153	20
Visayas	2024	5	14	7	70	153	153	20
Visayas	2024	5	14	8	81	153	153	20
Visayas	2024	5	14	9	97	153	153	20
Visayas	2024	5	14	10	105	153	153	20
Visayas	2024	5	14	11	105	153	153	20
Visayas	2024	5	14	12	105	153	153	20
Visayas	2024	5	14	13	107	153	153	20
Visayas	2024	5	14	14	112	153	153	20
Visayas	2024	5	14	15	112	153	153	20
Visayas	2024	5	14	16	108	153	153	20
Visayas	2024	5	14	17	101	153	153	20
Visayas	2024	5	14	18	100	153	153	20
Visayas	2024	5	14	19	101	153	153	20
Visayas	2024	5	14	20	98	153	153	20
Visayas	2024	5	14	21	96	153	153	20
Visayas	2024	5	14	22	91	153	153	20
Visayas	2024	5	14	23	85	153	153	20
Visayas	2024	5	14	24	79	153	153	20
Visayas	2024	5	15	1	75	153	153	20
Visayas	2024	5	15	2	72	153	153	20
Visayas	2024	5	15	3	69	153	153	20
Visayas	2024	5	15	4	67	153	153	20
Visayas	2024	5	15	5	68	153	153	20
Visayas	2024	5	15	6	68	153	153	20
Visayas	2024	5	15	7	69	153	153	20
Visayas	2024	5	15	8	78	153	153	20
Visayas	2024	5	15	9	96	153	153	20
Visayas	2024	5	15	10	102	153	153	20
Visayas	2024	5	15	11	108	153	153	20
Visayas	2024	5	15	12	105	153	153	20
Visayas	2024	5	15	13	105	153	153	20
Visayas	2024	5	15	14	111	153	153	20
Visayas	2024	5	15	15	109	153	153	20
Visayas	2024	5	15	16	108	153	153	20
Visayas	2024	5	15	17	99	153	153	20
Visayas	2024	5	15	18	97	153	153	20
Visayas	2024	5	15	19	100	153	153	20
Visayas	2024	5	15	20	97	153	153	20
Visayas	2024	5	15	21	93	153	153	20
Visayas	2024	5	15	22	88	153	153	20
Visayas	2024	5	15	23	86	153	153	20
Visayas	2024	5	15	24	78	153	153	20
Visayas	2024	5	16	1	74	153	153	20
Visayas	2024	5	16	2	71	153	153	20
Visayas	2024	5	16	3	69	153	153	20
Visayas	2024	5	16	4	66	153	153	20
Visayas	2024	5	16	5	67	153	153	20
Visayas	2024	5	16	6	68	153	153	20
Visayas	2024	5	16	7	70	153	153	20
Visayas	2024	5	16	8	82	153	153	20
Visayas	2024	5	16	9	97	153	153	20
Visayas	2024	5	16	10	107	153	153	20
Visayas	2024	5	16	11	109	153	153	20
Visayas	2024	5	16	12	106	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	16	13	107	153	153	20
Visayas	2024	5	16	14	113	153	153	20
Visayas	2024	5	16	15	110	153	153	20
Visayas	2024	5	16	16	107	153	153	20
Visayas	2024	5	16	17	100	153	153	20
Visayas	2024	5	16	18	97	153	153	20
Visayas	2024	5	16	19	101	153	153	20
Visayas	2024	5	16	20	99	153	153	20
Visayas	2024	5	16	21	95	153	153	20
Visayas	2024	5	16	22	90	153	153	20
Visayas	2024	5	16	23	87	153	153	20
Visayas	2024	5	16	24	80	153	153	20
Visayas	2024	5	17	1	75	153	153	20
Visayas	2024	5	17	2	73	153	153	20
Visayas	2024	5	17	3	70	153	153	20
Visayas	2024	5	17	4	67	153	153	20
Visayas	2024	5	17	5	68	153	153	20
Visayas	2024	5	17	6	70	153	153	20
Visayas	2024	5	17	7	72	153	153	20
Visayas	2024	5	17	8	81	153	153	20
Visayas	2024	5	17	9	101	153	153	20
Visayas	2024	5	17	10	107	153	153	20
Visayas	2024	5	17	11	110	153	153	20
Visayas	2024	5	17	12	107	153	153	20
Visayas	2024	5	17	13	109	153	153	20
Visayas	2024	5	17	14	112	153	153	20
Visayas	2024	5	17	15	112	153	153	20
Visayas	2024	5	17	16	108	153	153	20
Visayas	2024	5	17	17	99	153	153	20
Visayas	2024	5	17	18	99	153	153	20
Visayas	2024	5	17	19	103	153	153	20
Visayas	2024	5	17	20	98	153	153	20
Visayas	2024	5	17	21	95	153	153	20
Visayas	2024	5	17	22	90	153	153	20
Visayas	2024	5	17	23	86	153	153	20
Visayas	2024	5	17	24	80	153	153	20
Visayas	2024	5	18	1	77	153	153	20
Visayas	2024	5	18	2	74	153	153	20
Visayas	2024	5	18	3	71	153	153	20
Visayas	2024	5	18	4	68	153	153	20
Visayas	2024	5	18	5	70	153	153	20
Visayas	2024	5	18	6	68	153	153	20
Visayas	2024	5	18	7	68	153	153	20
Visayas	2024	5	18	8	73	153	153	20
Visayas	2024	5	18	9	84	153	153	20
Visayas	2024	5	18	10	92	153	153	20
Visayas	2024	5	18	11	93	153	153	20
Visayas	2024	5	18	12	90	153	153	20
Visayas	2024	5	18	13	91	153	153	20
Visayas	2024	5	18	14	95	153	153	20
Visayas	2024	5	18	15	95	153	153	20
Visayas	2024	5	18	16	90	153	153	20
Visayas	2024	5	18	17	87	153	153	20
Visayas	2024	5	18	18	92	153	153	20
Visayas	2024	5	18	19	97	153	153	20
Visayas	2024	5	18	20	93	153	153	20
Visayas	2024	5	18	21	91	153	153	20
Visayas	2024	5	18	22	86	153	153	20
Visayas	2024	5	18	23	79	153	153	20
Visayas	2024	5	18	24	76	153	153	20
Visayas	2024	5	19	1	72	153	153	20
Visayas	2024	5	19	2	69	153	153	20
Visayas	2024	5	19	3	66	153	153	20
Visayas	2024	5	19	4	63	153	153	20
Visayas	2024	5	19	5	62	153	153	20
Visayas	2024	5	19	6	60	153	153	20
Visayas	2024	5	19	7	60	153	153	20
Visayas	2024	5	19	8	65	153	153	20
Visayas	2024	5	19	9	70	153	153	20
Visayas	2024	5	19	10	75	153	153	20
Visayas	2024	5	19	11	79	153	153	20
Visayas	2024	5	19	12	76	153	153	20
Visayas	2024	5	19	13	77	153	153	20
Visayas	2024	5	19	14	79	153	153	20
Visayas	2024	5	19	15	77	153	153	20
Visayas	2024	5	19	16	75	153	153	20
Visayas	2024	5	19	17	75	153	153	20
Visayas	2024	5	19	18	83	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	19	19	88	153	153	20
Visayas	2024	5	19	20	86	153	153	20
Visayas	2024	5	19	21	84	153	153	20
Visayas	2024	5	19	22	79	153	153	20
Visayas	2024	5	19	23	75	153	153	20
Visayas	2024	5	19	24	71	153	153	20
Visayas	2024	5	20	1	66	153	153	20
Visayas	2024	5	20	2	63	153	153	20
Visayas	2024	5	20	3	60	153	153	20
Visayas	2024	5	20	4	59	153	153	20
Visayas	2024	5	20	5	60	153	153	20
Visayas	2024	5	20	6	62	153	153	20
Visayas	2024	5	20	7	65	153	153	20
Visayas	2024	5	20	8	79	153	153	20
Visayas	2024	5	20	9	93	153	153	20
Visayas	2024	5	20	10	102	153	153	20
Visayas	2024	5	20	11	107	153	153	20
Visayas	2024	5	20	12	104	153	153	20
Visayas	2024	5	20	13	106	153	153	20
Visayas	2024	5	20	14	110	153	153	20
Visayas	2024	5	20	15	109	153	153	20
Visayas	2024	5	20	16	107	153	153	20
Visayas	2024	5	20	17	99	153	153	20
Visayas	2024	5	20	18	96	153	153	20
Visayas	2024	5	20	19	101	153	153	20
Visayas	2024	5	20	20	97	153	153	20
Visayas	2024	5	20	21	94	153	153	20
Visayas	2024	5	20	22	89	153	153	20
Visayas	2024	5	20	23	84	153	153	20
Visayas	2024	5	20	24	77	153	153	20
Visayas	2024	5	21	1	74	153	153	20
Visayas	2024	5	21	2	71	153	153	20
Visayas	2024	5	21	3	68	153	153	20
Visayas	2024	5	21	4	66	153	153	20
Visayas	2024	5	21	5	67	153	153	20
Visayas	2024	5	21	6	68	153	153	20
Visayas	2024	5	21	7	70	153	153	20
Visayas	2024	5	21	8	81	153	153	20
Visayas	2024	5	21	9	99	153	153	20
Visayas	2024	5	21	10	107	153	153	20
Visayas	2024	5	21	11	109	153	153	20
Visayas	2024	5	21	12	108	153	153	20
Visayas	2024	5	21	13	108	153	153	20
Visayas	2024	5	21	14	111	153	153	20
Visayas	2024	5	21	15	109	153	153	20
Visayas	2024	5	21	16	105	153	153	20
Visayas	2024	5	21	17	97	153	153	20
Visayas	2024	5	21	18	96	153	153	20
Visayas	2024	5	21	19	102	153	153	20
Visayas	2024	5	21	20	97	153	153	20
Visayas	2024	5	21	21	94	153	153	20
Visayas	2024	5	21	22	89	153	153	20
Visayas	2024	5	21	23	83	153	153	20
Visayas	2024	5	21	24	78	153	153	20
Visayas	2024	5	22	1	74	153	153	20
Visayas	2024	5	22	2	71	153	153	20
Visayas	2024	5	22	3	68	153	153	20
Visayas	2024	5	22	4	66	153	153	20
Visayas	2024	5	22	5	67	153	153	20
Visayas	2024	5	22	6	69	153	153	20
Visayas	2024	5	22	7	71	153	153	20
Visayas	2024	5	22	8	83	153	153	20
Visayas	2024	5	22	9	99	153	153	20
Visayas	2024	5	22	10	106	153	153	20
Visayas	2024	5	22	11	110	153	153	20
Visayas	2024	5	22	12	107	153	153	20
Visayas	2024	5	22	13	108	153	153	20
Visayas	2024	5	22	14	112	153	153	20
Visayas	2024	5	22	15	111	153	153	20
Visayas	2024	5	22	16	108	153	153	20
Visayas	2024	5	22	17	102	153	153	20
Visayas	2024	5	22	18	99	153	153	20
Visayas	2024	5	22	19	104	153	153	20
Visayas	2024	5	22	20	100	153	153	20
Visayas	2024	5	22	21	98	153	153	20
Visayas	2024	5	22	22	93	153	153	20
Visayas	2024	5	22	23	85	153	153	20
Visayas	2024	5	22	24	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	23	1	75	153	153	20
Visayas	2024	5	23	2	72	153	153	20
Visayas	2024	5	23	3	71	153	153	20
Visayas	2024	5	23	4	67	153	153	20
Visayas	2024	5	23	5	68	153	153	20
Visayas	2024	5	23	6	68	153	153	20
Visayas	2024	5	23	7	69	153	153	20
Visayas	2024	5	23	8	84	153	153	20
Visayas	2024	5	23	9	98	153	153	20
Visayas	2024	5	23	10	105	153	153	20
Visayas	2024	5	23	11	109	153	153	20
Visayas	2024	5	23	12	106	153	153	20
Visayas	2024	5	23	13	107	153	153	20
Visayas	2024	5	23	14	112	153	153	20
Visayas	2024	5	23	15	111	153	153	20
Visayas	2024	5	23	16	108	153	153	20
Visayas	2024	5	23	17	100	153	153	20
Visayas	2024	5	23	18	97	153	153	20
Visayas	2024	5	23	19	104	153	153	20
Visayas	2024	5	23	20	101	153	153	20
Visayas	2024	5	23	21	97	153	153	20
Visayas	2024	5	23	22	88	153	153	20
Visayas	2024	5	23	23	85	153	153	20
Visayas	2024	5	23	24	79	153	153	20
Visayas	2024	5	24	1	74	153	153	20
Visayas	2024	5	24	2	73	153	153	20
Visayas	2024	5	24	3	69	153	153	20
Visayas	2024	5	24	4	66	153	153	20
Visayas	2024	5	24	5	66	153	153	20
Visayas	2024	5	24	6	66	153	153	20
Visayas	2024	5	24	7	68	153	153	20
Visayas	2024	5	24	8	77	153	153	20
Visayas	2024	5	24	9	87	153	153	20
Visayas	2024	5	24	10	96	153	153	20
Visayas	2024	5	24	11	103	153	153	20
Visayas	2024	5	24	12	101	153	153	20
Visayas	2024	5	24	13	101	153	153	20
Visayas	2024	5	24	14	106	153	153	20
Visayas	2024	5	24	15	103	153	153	20
Visayas	2024	5	24	16	99	153	153	20
Visayas	2024	5	24	17	94	153	153	20
Visayas	2024	5	24	18	93	153	153	20
Visayas	2024	5	24	19	94	153	153	20
Visayas	2024	5	24	20	92	153	153	20
Visayas	2024	5	24	21	88	153	153	20
Visayas	2024	5	24	22	82	153	153	20
Visayas	2024	5	24	23	77	153	153	20
Visayas	2024	5	24	24	72	153	153	20
Visayas	2024	5	25	1	68	153	153	20
Visayas	2024	5	25	2	66	153	153	20
Visayas	2024	5	25	3	64	153	153	20
Visayas	2024	5	25	4	61	153	153	20
Visayas	2024	5	25	5	61	153	153	20
Visayas	2024	5	25	6	61	153	153	20
Visayas	2024	5	25	7	63	153	153	20
Visayas	2024	5	25	8	66	153	153	20
Visayas	2024	5	25	9	77	153	153	20
Visayas	2024	5	25	10	83	153	153	20
Visayas	2024	5	25	11	90	153	153	20
Visayas	2024	5	25	12	87	153	153	20
Visayas	2024	5	25	13	88	153	153	20
Visayas	2024	5	25	14	91	153	153	20
Visayas	2024	5	25	15	90	153	153	20
Visayas	2024	5	25	16	87	153	153	20
Visayas	2024	5	25	17	84	153	153	20
Visayas	2024	5	25	18	87	153	153	20
Visayas	2024	5	25	19	90	153	153	20
Visayas	2024	5	25	20	88	153	153	20
Visayas	2024	5	25	21	85	153	153	20
Visayas	2024	5	25	22	80	153	153	20
Visayas	2024	5	25	23	75	153	153	20
Visayas	2024	5	25	24	73	153	153	20
Visayas	2024	5	26	1	68	153	153	20
Visayas	2024	5	26	2	64	153	153	20
Visayas	2024	5	26	3	63	153	153	20
Visayas	2024	5	26	4	60	153	153	20
Visayas	2024	5	26	5	60	153	153	20
Visayas	2024	5	26	6	59	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	26	7	57	153	153	20
Visayas	2024	5	26	8	59	153	153	20
Visayas	2024	5	26	9	65	153	153	20
Visayas	2024	5	26	10	73	153	153	20
Visayas	2024	5	26	11	76	153	153	20
Visayas	2024	5	26	12	78	153	153	20
Visayas	2024	5	26	13	75	153	153	20
Visayas	2024	5	26	14	76	153	153	20
Visayas	2024	5	26	15	75	153	153	20
Visayas	2024	5	26	16	74	153	153	20
Visayas	2024	5	26	17	75	153	153	20
Visayas	2024	5	26	18	80	153	153	20
Visayas	2024	5	26	19	87	153	153	20
Visayas	2024	5	26	20	86	153	153	20
Visayas	2024	5	26	21	84	153	153	20
Visayas	2024	5	26	22	80	153	153	20
Visayas	2024	5	26	23	74	153	153	20
Visayas	2024	5	26	24	69	153	153	20
Visayas	2024	5	27	1	65	153	153	20
Visayas	2024	5	27	2	62	153	153	20
Visayas	2024	5	27	3	61	153	153	20
Visayas	2024	5	27	4	59	153	153	20
Visayas	2024	5	27	5	60	153	153	20
Visayas	2024	5	27	6	62	153	153	20
Visayas	2024	5	27	7	63	153	153	20
Visayas	2024	5	27	8	74	153	153	20
Visayas	2024	5	27	9	90	153	153	20
Visayas	2024	5	27	10	96	153	153	20
Visayas	2024	5	27	11	99	153	153	20
Visayas	2024	5	27	12	94	153	153	20
Visayas	2024	5	27	13	91	153	153	20
Visayas	2024	5	27	14	98	153	153	20
Visayas	2024	5	27	15	97	153	153	20
Visayas	2024	5	27	16	95	153	153	20
Visayas	2024	5	27	17	88	153	153	20
Visayas	2024	5	27	18	90	153	153	20
Visayas	2024	5	27	19	93	153	153	20
Visayas	2024	5	27	20	88	153	153	20
Visayas	2024	5	27	21	84	153	153	20
Visayas	2024	5	27	22	78	153	153	20
Visayas	2024	5	27	23	73	153	153	20
Visayas	2024	5	27	24	70	153	153	20
Visayas	2024	5	28	1	65	153	153	20
Visayas	2024	5	28	2	62	153	153	20
Visayas	2024	5	28	3	60	153	153	20
Visayas	2024	5	28	4	58	153	153	20
Visayas	2024	5	28	5	60	153	153	20
Visayas	2024	5	28	6	62	153	153	20
Visayas	2024	5	28	7	64	153	153	20
Visayas	2024	5	28	8	73	153	153	20
Visayas	2024	5	28	9	87	153	153	20
Visayas	2024	5	28	10	95	153	153	20
Visayas	2024	5	28	11	97	153	153	20
Visayas	2024	5	28	12	97	153	153	20
Visayas	2024	5	28	13	96	153	153	20
Visayas	2024	5	28	14	101	153	153	20
Visayas	2024	5	28	15	101	153	153	20
Visayas	2024	5	28	16	98	153	153	20
Visayas	2024	5	28	17	91	153	153	20
Visayas	2024	5	28	18	92	153	153	20
Visayas	2024	5	28	19	93	153	153	20
Visayas	2024	5	28	20	90	153	153	20
Visayas	2024	5	28	21	86	153	153	20
Visayas	2024	5	28	22	81	153	153	20
Visayas	2024	5	28	23	76	153	153	20
Visayas	2024	5	28	24	72	153	153	20
Visayas	2024	5	29	1	67	153	153	20
Visayas	2024	5	29	2	65	153	153	20
Visayas	2024	5	29	3	62	153	153	20
Visayas	2024	5	29	4	61	153	153	20
Visayas	2024	5	29	5	62	153	153	20
Visayas	2024	5	29	6	64	153	153	20
Visayas	2024	5	29	7	67	153	153	20
Visayas	2024	5	29	8	78	153	153	20
Visayas	2024	5	29	9	93	153	153	20
Visayas	2024	5	29	10	104	153	153	20
Visayas	2024	5	29	11	105	153	153	20
Visayas	2024	5	29	12	102	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	5	29	13	104	153	153	20
Visayas	2024	5	29	14	110	153	153	20
Visayas	2024	5	29	15	109	153	153	20
Visayas	2024	5	29	16	107	153	153	20
Visayas	2024	5	29	17	100	153	153	20
Visayas	2024	5	29	18	96	153	153	20
Visayas	2024	5	29	19	102	153	153	20
Visayas	2024	5	29	20	99	153	153	20
Visayas	2024	5	29	21	95	153	153	20
Visayas	2024	5	29	22	91	153	153	20
Visayas	2024	5	29	23	84	153	153	20
Visayas	2024	5	29	24	80	153	153	20
Visayas	2024	5	30	1	76	153	153	20
Visayas	2024	5	30	2	72	153	153	20
Visayas	2024	5	30	3	69	153	153	20
Visayas	2024	5	30	4	67	153	153	20
Visayas	2024	5	30	5	69	153	153	20
Visayas	2024	5	30	6	69	153	153	20
Visayas	2024	5	30	7	69	153	153	20
Visayas	2024	5	30	8	82	153	153	20
Visayas	2024	5	30	9	98	153	153	20
Visayas	2024	5	30	10	105	153	153	20
Visayas	2024	5	30	11	111	153	153	20
Visayas	2024	5	30	12	107	153	153	20
Visayas	2024	5	30	13	109	153	153	20
Visayas	2024	5	30	14	111	153	153	20
Visayas	2024	5	30	15	108	153	153	20
Visayas	2024	5	30	16	104	153	153	20
Visayas	2024	5	30	17	96	153	153	20
Visayas	2024	5	30	18	93	153	153	20
Visayas	2024	5	30	19	96	153	153	20
Visayas	2024	5	30	20	94	153	153	20
Visayas	2024	5	30	21	89	153	153	20
Visayas	2024	5	30	22	84	153	153	20
Visayas	2024	5	30	23	79	153	153	20
Visayas	2024	5	30	24	74	153	153	20
Visayas	2024	5	31	1	71	153	153	20
Visayas	2024	5	31	2	67	153	153	20
Visayas	2024	5	31	3	64	153	153	20
Visayas	2024	5	31	4	64	153	153	20
Visayas	2024	5	31	5	64	153	153	20
Visayas	2024	5	31	6	66	153	153	20
Visayas	2024	5	31	7	68	153	153	20
Visayas	2024	5	31	8	79	153	153	20
Visayas	2024	5	31	9	96	153	153	20
Visayas	2024	5	31	10	103	153	153	20
Visayas	2024	5	31	11	106	153	153	20
Visayas	2024	5	31	12	104	153	153	20
Visayas	2024	5	31	13	105	153	153	20
Visayas	2024	5	31	14	110	153	153	20
Visayas	2024	5	31	15	110	153	153	20
Visayas	2024	5	31	16	105	153	153	20
Visayas	2024	5	31	17	97	153	153	20
Visayas	2024	5	31	18	92	153	153	20
Visayas	2024	5	31	19	102	153	153	20
Visayas	2024	5	31	20	98	153	153	20
Visayas	2024	5	31	21	96	153	153	20
Visayas	2024	5	31	22	90	153	153	20
Visayas	2024	5	31	23	84	153	153	20
Visayas	2024	5	31	24	79	153	153	20
Visayas	2024	6	1	1	75	153	153	20
Visayas	2024	6	1	2	72	153	153	20
Visayas	2024	6	1	3	70	153	153	20
Visayas	2024	6	1	4	67	153	153	20
Visayas	2024	6	1	5	67	153	153	20
Visayas	2024	6	1	6	65	153	153	20
Visayas	2024	6	1	7	67	153	153	20
Visayas	2024	6	1	8	76	153	153	20
Visayas	2024	6	1	9	87	153	153	20
Visayas	2024	6	1	10	94	153	153	20
Visayas	2024	6	1	11	98	153	153	20
Visayas	2024	6	1	12	97	153	153	20
Visayas	2024	6	1	13	97	153	153	20
Visayas	2024	6	1	14	99	153	153	20
Visayas	2024	6	1	15	99	153	153	20
Visayas	2024	6	1	16	95	153	153	20
Visayas	2024	6	1	17	89	153	153	20
Visayas	2024	6	1	18	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	1	19	95	153	153	20
Visayas	2024	6	1	20	93	153	153	20
Visayas	2024	6	1	21	92	153	153	20
Visayas	2024	6	1	22	86	153	153	20
Visayas	2024	6	1	23	82	153	153	20
Visayas	2024	6	1	24	78	153	153	20
Visayas	2024	6	2	1	73	153	153	20
Visayas	2024	6	2	2	71	153	153	20
Visayas	2024	6	2	3	68	153	153	20
Visayas	2024	6	2	4	66	153	153	20
Visayas	2024	6	2	5	64	153	153	20
Visayas	2024	6	2	6	59	153	153	20
Visayas	2024	6	2	7	55	153	153	20
Visayas	2024	6	2	8	58	153	153	20
Visayas	2024	6	2	9	63	153	153	20
Visayas	2024	6	2	10	68	153	153	20
Visayas	2024	6	2	11	70	153	153	20
Visayas	2024	6	2	12	69	153	153	20
Visayas	2024	6	2	13	64	153	153	20
Visayas	2024	6	2	14	68	153	153	20
Visayas	2024	6	2	15	66	153	153	20
Visayas	2024	6	2	16	67	153	153	20
Visayas	2024	6	2	17	66	153	153	20
Visayas	2024	6	2	18	73	153	153	20
Visayas	2024	6	2	19	80	153	153	20
Visayas	2024	6	2	20	83	153	153	20
Visayas	2024	6	2	21	80	153	153	20
Visayas	2024	6	2	22	76	153	153	20
Visayas	2024	6	2	23	71	153	153	20
Visayas	2024	6	2	24	66	153	153	20
Visayas	2024	6	3	1	62	153	153	20
Visayas	2024	6	3	2	59	153	153	20
Visayas	2024	6	3	3	57	153	153	20
Visayas	2024	6	3	4	57	153	153	20
Visayas	2024	6	3	5	58	153	153	20
Visayas	2024	6	3	6	61	153	153	20
Visayas	2024	6	3	7	64	153	153	20
Visayas	2024	6	3	8	76	153	153	20
Visayas	2024	6	3	9	92	153	153	20
Visayas	2024	6	3	10	99	153	153	20
Visayas	2024	6	3	11	105	153	153	20
Visayas	2024	6	3	12	101	153	153	20
Visayas	2024	6	3	13	101	153	153	20
Visayas	2024	6	3	14	106	153	153	20
Visayas	2024	6	3	15	106	153	153	20
Visayas	2024	6	3	16	103	153	153	20
Visayas	2024	6	3	17	93	153	153	20
Visayas	2024	6	3	18	95	153	153	20
Visayas	2024	6	3	19	99	153	153	20
Visayas	2024	6	3	20	95	153	153	20
Visayas	2024	6	3	21	92	153	153	20
Visayas	2024	6	3	22	87	153	153	20
Visayas	2024	6	3	23	80	153	153	20
Visayas	2024	6	3	24	72	153	153	20
Visayas	2024	6	4	1	69	153	153	20
Visayas	2024	6	4	2	68	153	153	20
Visayas	2024	6	4	3	65	153	153	20
Visayas	2024	6	4	4	63	153	153	20
Visayas	2024	6	4	5	65	153	153	20
Visayas	2024	6	4	6	65	153	153	20
Visayas	2024	6	4	7	68	153	153	20
Visayas	2024	6	4	8	81	153	153	20
Visayas	2024	6	4	9	96	153	153	20
Visayas	2024	6	4	10	102	153	153	20
Visayas	2024	6	4	11	108	153	153	20
Visayas	2024	6	4	12	104	153	153	20
Visayas	2024	6	4	13	105	153	153	20
Visayas	2024	6	4	14	110	153	153	20
Visayas	2024	6	4	15	110	153	153	20
Visayas	2024	6	4	16	106	153	153	20
Visayas	2024	6	4	17	97	153	153	20
Visayas	2024	6	4	18	92	153	153	20
Visayas	2024	6	4	19	102	153	153	20
Visayas	2024	6	4	20	97	153	153	20
Visayas	2024	6	4	21	94	153	153	20
Visayas	2024	6	4	22	88	153	153	20
Visayas	2024	6	4	23	82	153	153	20
Visayas	2024	6	4	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	5	1	74	153	153	20
Visayas	2024	6	5	2	68	153	153	20
Visayas	2024	6	5	3	66	153	153	20
Visayas	2024	6	5	4	64	153	153	20
Visayas	2024	6	5	5	65	153	153	20
Visayas	2024	6	5	6	66	153	153	20
Visayas	2024	6	5	7	70	153	153	20
Visayas	2024	6	5	8	82	153	153	20
Visayas	2024	6	5	9	97	153	153	20
Visayas	2024	6	5	10	106	153	153	20
Visayas	2024	6	5	11	108	153	153	20
Visayas	2024	6	5	12	105	153	153	20
Visayas	2024	6	5	13	102	153	153	20
Visayas	2024	6	5	14	108	153	153	20
Visayas	2024	6	5	15	106	153	153	20
Visayas	2024	6	5	16	102	153	153	20
Visayas	2024	6	5	17	95	153	153	20
Visayas	2024	6	5	18	93	153	153	20
Visayas	2024	6	5	19	97	153	153	20
Visayas	2024	6	5	20	94	153	153	20
Visayas	2024	6	5	21	91	153	153	20
Visayas	2024	6	5	22	84	153	153	20
Visayas	2024	6	5	23	78	153	153	20
Visayas	2024	6	5	24	74	153	153	20
Visayas	2024	6	6	1	71	153	153	20
Visayas	2024	6	6	2	68	153	153	20
Visayas	2024	6	6	3	65	153	153	20
Visayas	2024	6	6	4	63	153	153	20
Visayas	2024	6	6	5	64	153	153	20
Visayas	2024	6	6	6	66	153	153	20
Visayas	2024	6	6	7	67	153	153	20
Visayas	2024	6	6	8	81	153	153	20
Visayas	2024	6	6	9	96	153	153	20
Visayas	2024	6	6	10	104	153	153	20
Visayas	2024	6	6	11	107	153	153	20
Visayas	2024	6	6	12	104	153	153	20
Visayas	2024	6	6	13	105	153	153	20
Visayas	2024	6	6	14	110	153	153	20
Visayas	2024	6	6	15	108	153	153	20
Visayas	2024	6	6	16	107	153	153	20
Visayas	2024	6	6	17	102	153	153	20
Visayas	2024	6	6	18	95	153	153	20
Visayas	2024	6	6	19	103	153	153	20
Visayas	2024	6	6	20	100	153	153	20
Visayas	2024	6	6	21	97	153	153	20
Visayas	2024	6	6	22	91	153	153	20
Visayas	2024	6	6	23	86	153	153	20
Visayas	2024	6	6	24	80	153	153	20
Visayas	2024	6	7	1	75	153	153	20
Visayas	2024	6	7	2	72	153	153	20
Visayas	2024	6	7	3	69	153	153	20
Visayas	2024	6	7	4	67	153	153	20
Visayas	2024	6	7	5	67	153	153	20
Visayas	2024	6	7	6	68	153	153	20
Visayas	2024	6	7	7	69	153	153	20
Visayas	2024	6	7	8	83	153	153	20
Visayas	2024	6	7	9	98	153	153	20
Visayas	2024	6	7	10	106	153	153	20
Visayas	2024	6	7	11	110	153	153	20
Visayas	2024	6	7	12	107	153	153	20
Visayas	2024	6	7	13	109	153	153	20
Visayas	2024	6	7	14	113	153	153	20
Visayas	2024	6	7	15	110	153	153	20
Visayas	2024	6	7	16	106	153	153	20
Visayas	2024	6	7	17	97	153	153	20
Visayas	2024	6	7	18	95	153	153	20
Visayas	2024	6	7	19	99	153	153	20
Visayas	2024	6	7	20	96	153	153	20
Visayas	2024	6	7	21	92	153	153	20
Visayas	2024	6	7	22	89	153	153	20
Visayas	2024	6	7	23	82	153	153	20
Visayas	2024	6	7	24	78	153	153	20
Visayas	2024	6	8	1	74	153	153	20
Visayas	2024	6	8	2	71	153	153	20
Visayas	2024	6	8	3	65	153	153	20
Visayas	2024	6	8	4	65	153	153	20
Visayas	2024	6	8	5	65	153	153	20
Visayas	2024	6	8	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	8	7	64	153	153	20
Visayas	2024	6	8	8	71	153	153	20
Visayas	2024	6	8	9	78	153	153	20
Visayas	2024	6	8	10	83	153	153	20
Visayas	2024	6	8	11	86	153	153	20
Visayas	2024	6	8	12	84	153	153	20
Visayas	2024	6	8	13	84	153	153	20
Visayas	2024	6	8	14	88	153	153	20
Visayas	2024	6	8	15	87	153	153	20
Visayas	2024	6	8	16	85	153	153	20
Visayas	2024	6	8	17	83	153	153	20
Visayas	2024	6	8	18	85	153	153	20
Visayas	2024	6	8	19	92	153	153	20
Visayas	2024	6	8	20	89	153	153	20
Visayas	2024	6	8	21	86	153	153	20
Visayas	2024	6	8	22	81	153	153	20
Visayas	2024	6	8	23	76	153	153	20
Visayas	2024	6	8	24	72	153	153	20
Visayas	2024	6	9	1	73	153	153	20
Visayas	2024	6	9	2	71	153	153	20
Visayas	2024	6	9	3	68	153	153	20
Visayas	2024	6	9	4	66	153	153	20
Visayas	2024	6	9	5	64	153	153	20
Visayas	2024	6	9	6	59	153	153	20
Visayas	2024	6	9	7	55	153	153	20
Visayas	2024	6	9	8	58	153	153	20
Visayas	2024	6	9	9	63	153	153	20
Visayas	2024	6	9	10	68	153	153	20
Visayas	2024	6	9	11	70	153	153	20
Visayas	2024	6	9	12	69	153	153	20
Visayas	2024	6	9	13	64	153	153	20
Visayas	2024	6	9	14	68	153	153	20
Visayas	2024	6	9	15	66	153	153	20
Visayas	2024	6	9	16	67	153	153	20
Visayas	2024	6	9	17	66	153	153	20
Visayas	2024	6	9	18	72	153	153	20
Visayas	2024	6	9	19	80	153	153	20
Visayas	2024	6	9	20	83	153	153	20
Visayas	2024	6	9	21	80	153	153	20
Visayas	2024	6	9	22	76	153	153	20
Visayas	2024	6	9	23	71	153	153	20
Visayas	2024	6	9	24	66	153	153	20
Visayas	2024	6	10	1	66	153	153	20
Visayas	2024	6	10	2	63	153	153	20
Visayas	2024	6	10	3	61	153	153	20
Visayas	2024	6	10	4	59	153	153	20
Visayas	2024	6	10	5	60	153	153	20
Visayas	2024	6	10	6	62	153	153	20
Visayas	2024	6	10	7	66	153	153	20
Visayas	2024	6	10	8	79	153	153	20
Visayas	2024	6	10	9	94	153	153	20
Visayas	2024	6	10	10	104	153	153	20
Visayas	2024	6	10	11	101	153	153	20
Visayas	2024	6	10	12	102	153	153	20
Visayas	2024	6	10	13	103	153	153	20
Visayas	2024	6	10	14	108	153	153	20
Visayas	2024	6	10	15	108	153	153	20
Visayas	2024	6	10	16	104	153	153	20
Visayas	2024	6	10	17	97	153	153	20
Visayas	2024	6	10	18	93	153	153	20
Visayas	2024	6	10	19	100	153	153	20
Visayas	2024	6	10	20	97	153	153	20
Visayas	2024	6	10	21	91	153	153	20
Visayas	2024	6	10	22	87	153	153	20
Visayas	2024	6	10	23	80	153	153	20
Visayas	2024	6	10	24	75	153	153	20
Visayas	2024	6	11	1	72	153	153	20
Visayas	2024	6	11	2	67	153	153	20
Visayas	2024	6	11	3	65	153	153	20
Visayas	2024	6	11	4	62	153	153	20
Visayas	2024	6	11	5	62	153	153	20
Visayas	2024	6	11	6	65	153	153	20
Visayas	2024	6	11	7	64	153	153	20
Visayas	2024	6	11	8	77	153	153	20
Visayas	2024	6	11	9	93	153	153	20
Visayas	2024	6	11	10	100	153	153	20
Visayas	2024	6	11	11	104	153	153	20
Visayas	2024	6	11	12	102	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	11	13	101	153	153	20
Visayas	2024	6	11	14	105	153	153	20
Visayas	2024	6	11	15	104	153	153	20
Visayas	2024	6	11	16	101	153	153	20
Visayas	2024	6	11	17	95	153	153	20
Visayas	2024	6	11	18	91	153	153	20
Visayas	2024	6	11	19	96	153	153	20
Visayas	2024	6	11	20	93	153	153	20
Visayas	2024	6	11	21	89	153	153	20
Visayas	2024	6	11	22	84	153	153	20
Visayas	2024	6	11	23	78	153	153	20
Visayas	2024	6	11	24	72	153	153	20
Visayas	2024	6	12	1	67	153	153	20
Visayas	2024	6	12	2	64	153	153	20
Visayas	2024	6	12	3	61	153	153	20
Visayas	2024	6	12	4	59	153	153	20
Visayas	2024	6	12	5	59	153	153	20
Visayas	2024	6	12	6	57	153	153	20
Visayas	2024	6	12	7	57	153	153	20
Visayas	2024	6	12	8	61	153	153	20
Visayas	2024	6	12	9	67	153	153	20
Visayas	2024	6	12	10	74	153	153	20
Visayas	2024	6	12	11	77	153	153	20
Visayas	2024	6	12	12	77	153	153	20
Visayas	2024	6	12	13	78	153	153	20
Visayas	2024	6	12	14	81	153	153	20
Visayas	2024	6	12	15	80	153	153	20
Visayas	2024	6	12	16	78	153	153	20
Visayas	2024	6	12	17	75	153	153	20
Visayas	2024	6	12	18	80	153	153	20
Visayas	2024	6	12	19	90	153	153	20
Visayas	2024	6	12	20	86	153	153	20
Visayas	2024	6	12	21	82	153	153	20
Visayas	2024	6	12	22	82	153	153	20
Visayas	2024	6	12	23	75	153	153	20
Visayas	2024	6	12	24	71	153	153	20
Visayas	2024	6	13	1	73	153	153	20
Visayas	2024	6	13	2	70	153	153	20
Visayas	2024	6	13	3	67	153	153	20
Visayas	2024	6	13	4	64	153	153	20
Visayas	2024	6	13	5	66	153	153	20
Visayas	2024	6	13	6	66	153	153	20
Visayas	2024	6	13	7	66	153	153	20
Visayas	2024	6	13	8	80	153	153	20
Visayas	2024	6	13	9	96	153	153	20
Visayas	2024	6	13	10	104	153	153	20
Visayas	2024	6	13	11	108	153	153	20
Visayas	2024	6	13	12	106	153	153	20
Visayas	2024	6	13	13	106	153	153	20
Visayas	2024	6	13	14	112	153	153	20
Visayas	2024	6	13	15	109	153	153	20
Visayas	2024	6	13	16	106	153	153	20
Visayas	2024	6	13	17	97	153	153	20
Visayas	2024	6	13	18	95	153	153	20
Visayas	2024	6	13	19	100	153	153	20
Visayas	2024	6	13	20	97	153	153	20
Visayas	2024	6	13	21	95	153	153	20
Visayas	2024	6	13	22	89	153	153	20
Visayas	2024	6	13	23	83	153	153	20
Visayas	2024	6	13	24	80	153	153	20
Visayas	2024	6	14	1	74	153	153	20
Visayas	2024	6	14	2	71	153	153	20
Visayas	2024	6	14	3	68	153	153	20
Visayas	2024	6	14	4	67	153	153	20
Visayas	2024	6	14	5	68	153	153	20
Visayas	2024	6	14	6	67	153	153	20
Visayas	2024	6	14	7	70	153	153	20
Visayas	2024	6	14	8	81	153	153	20
Visayas	2024	6	14	9	96	153	153	20
Visayas	2024	6	14	10	104	153	153	20
Visayas	2024	6	14	11	109	153	153	20
Visayas	2024	6	14	12	106	153	153	20
Visayas	2024	6	14	13	106	153	153	20
Visayas	2024	6	14	14	110	153	153	20
Visayas	2024	6	14	15	109	153	153	20
Visayas	2024	6	14	16	105	153	153	20
Visayas	2024	6	14	17	98	153	153	20
Visayas	2024	6	14	18	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	14	19	99	153	153	20
Visayas	2024	6	14	20	97	153	153	20
Visayas	2024	6	14	21	96	153	153	20
Visayas	2024	6	14	22	90	153	153	20
Visayas	2024	6	14	23	83	153	153	20
Visayas	2024	6	14	24	77	153	153	20
Visayas	2024	6	15	1	73	153	153	20
Visayas	2024	6	15	2	71	153	153	20
Visayas	2024	6	15	3	66	153	153	20
Visayas	2024	6	15	4	65	153	153	20
Visayas	2024	6	15	5	66	153	153	20
Visayas	2024	6	15	6	63	153	153	20
Visayas	2024	6	15	7	65	153	153	20
Visayas	2024	6	15	8	73	153	153	20
Visayas	2024	6	15	9	82	153	153	20
Visayas	2024	6	15	10	89	153	153	20
Visayas	2024	6	15	11	92	153	153	20
Visayas	2024	6	15	12	92	153	153	20
Visayas	2024	6	15	13	94	153	153	20
Visayas	2024	6	15	14	97	153	153	20
Visayas	2024	6	15	15	97	153	153	20
Visayas	2024	6	15	16	93	153	153	20
Visayas	2024	6	15	17	84	153	153	20
Visayas	2024	6	15	18	90	153	153	20
Visayas	2024	6	15	19	98	153	153	20
Visayas	2024	6	15	20	95	153	153	20
Visayas	2024	6	15	21	93	153	153	20
Visayas	2024	6	15	22	89	153	153	20
Visayas	2024	6	15	23	84	153	153	20
Visayas	2024	6	15	24	77	153	153	20
Visayas	2024	6	16	1	72	153	153	20
Visayas	2024	6	16	2	71	153	153	20
Visayas	2024	6	16	3	67	153	153	20
Visayas	2024	6	16	4	65	153	153	20
Visayas	2024	6	16	5	63	153	153	20
Visayas	2024	6	16	6	62	153	153	20
Visayas	2024	6	16	7	57	153	153	20
Visayas	2024	6	16	8	64	153	153	20
Visayas	2024	6	16	9	68	153	153	20
Visayas	2024	6	16	10	74	153	153	20
Visayas	2024	6	16	11	77	153	153	20
Visayas	2024	6	16	12	79	153	153	20
Visayas	2024	6	16	13	78	153	153	20
Visayas	2024	6	16	14	80	153	153	20
Visayas	2024	6	16	15	77	153	153	20
Visayas	2024	6	16	16	77	153	153	20
Visayas	2024	6	16	17	75	153	153	20
Visayas	2024	6	16	18	80	153	153	20
Visayas	2024	6	16	19	93	153	153	20
Visayas	2024	6	16	20	90	153	153	20
Visayas	2024	6	16	21	88	153	153	20
Visayas	2024	6	16	22	85	153	153	20
Visayas	2024	6	16	23	79	153	153	20
Visayas	2024	6	16	24	74	153	153	20
Visayas	2024	6	17	1	70	153	153	20
Visayas	2024	6	17	2	67	153	153	20
Visayas	2024	6	17	3	64	153	153	20
Visayas	2024	6	17	4	62	153	153	20
Visayas	2024	6	17	5	63	153	153	20
Visayas	2024	6	17	6	64	153	153	20
Visayas	2024	6	17	7	67	153	153	20
Visayas	2024	6	17	8	77	153	153	20
Visayas	2024	6	17	9	94	153	153	20
Visayas	2024	6	17	10	102	153	153	20
Visayas	2024	6	17	11	107	153	153	20
Visayas	2024	6	17	12	105	153	153	20
Visayas	2024	6	17	13	104	153	153	20
Visayas	2024	6	17	14	109	153	153	20
Visayas	2024	6	17	15	111	153	153	20
Visayas	2024	6	17	16	106	153	153	20
Visayas	2024	6	17	17	100	153	153	20
Visayas	2024	6	17	18	94	153	153	20
Visayas	2024	6	17	19	102	153	153	20
Visayas	2024	6	17	20	98	153	153	20
Visayas	2024	6	17	21	95	153	153	20
Visayas	2024	6	17	22	89	153	153	20
Visayas	2024	6	17	23	82	153	153	20
Visayas	2024	6	17	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	18	1	73	153	153	20
Visayas	2024	6	18	2	70	153	153	20
Visayas	2024	6	18	3	67	153	153	20
Visayas	2024	6	18	4	65	153	153	20
Visayas	2024	6	18	5	65	153	153	20
Visayas	2024	6	18	6	67	153	153	20
Visayas	2024	6	18	7	67	153	153	20
Visayas	2024	6	18	8	76	153	153	20
Visayas	2024	6	18	9	89	153	153	20
Visayas	2024	6	18	10	95	153	153	20
Visayas	2024	6	18	11	98	153	153	20
Visayas	2024	6	18	12	94	153	153	20
Visayas	2024	6	18	13	93	153	153	20
Visayas	2024	6	18	14	99	153	153	20
Visayas	2024	6	18	15	97	153	153	20
Visayas	2024	6	18	16	95	153	153	20
Visayas	2024	6	18	17	89	153	153	20
Visayas	2024	6	18	18	89	153	153	20
Visayas	2024	6	18	19	93	153	153	20
Visayas	2024	6	18	20	88	153	153	20
Visayas	2024	6	18	21	86	153	153	20
Visayas	2024	6	18	22	80	153	153	20
Visayas	2024	6	18	23	75	153	153	20
Visayas	2024	6	18	24	70	153	153	20
Visayas	2024	6	19	1	66	153	153	20
Visayas	2024	6	19	2	64	153	153	20
Visayas	2024	6	19	3	61	153	153	20
Visayas	2024	6	19	4	60	153	153	20
Visayas	2024	6	19	5	61	153	153	20
Visayas	2024	6	19	6	63	153	153	20
Visayas	2024	6	19	7	64	153	153	20
Visayas	2024	6	19	8	75	153	153	20
Visayas	2024	6	19	9	87	153	153	20
Visayas	2024	6	19	10	94	153	153	20
Visayas	2024	6	19	11	90	153	153	20
Visayas	2024	6	19	12	87	153	153	20
Visayas	2024	6	19	13	86	153	153	20
Visayas	2024	6	19	14	91	153	153	20
Visayas	2024	6	19	15	90	153	153	20
Visayas	2024	6	19	16	89	153	153	20
Visayas	2024	6	19	17	86	153	153	20
Visayas	2024	6	19	18	85	153	153	20
Visayas	2024	6	19	19	89	153	153	20
Visayas	2024	6	19	20	83	153	153	20
Visayas	2024	6	19	21	81	153	153	20
Visayas	2024	6	19	22	75	153	153	20
Visayas	2024	6	19	23	69	153	153	20
Visayas	2024	6	19	24	65	153	153	20
Visayas	2024	6	20	1	62	153	153	20
Visayas	2024	6	20	2	59	153	153	20
Visayas	2024	6	20	3	58	153	153	20
Visayas	2024	6	20	4	57	153	153	20
Visayas	2024	6	20	5	57	153	153	20
Visayas	2024	6	20	6	60	153	153	20
Visayas	2024	6	20	7	64	153	153	20
Visayas	2024	6	20	8	74	153	153	20
Visayas	2024	6	20	9	88	153	153	20
Visayas	2024	6	20	10	96	153	153	20
Visayas	2024	6	20	11	101	153	153	20
Visayas	2024	6	20	12	97	153	153	20
Visayas	2024	6	20	13	99	153	153	20
Visayas	2024	6	20	14	106	153	153	20
Visayas	2024	6	20	15	104	153	153	20
Visayas	2024	6	20	16	103	153	153	20
Visayas	2024	6	20	17	94	153	153	20
Visayas	2024	6	20	18	92	153	153	20
Visayas	2024	6	20	19	98	153	153	20
Visayas	2024	6	20	20	94	153	153	20
Visayas	2024	6	20	21	91	153	153	20
Visayas	2024	6	20	22	84	153	153	20
Visayas	2024	6	20	23	79	153	153	20
Visayas	2024	6	20	24	74	153	153	20
Visayas	2024	6	21	1	71	153	153	20
Visayas	2024	6	21	2	67	153	153	20
Visayas	2024	6	21	3	64	153	153	20
Visayas	2024	6	21	4	63	153	153	20
Visayas	2024	6	21	5	64	153	153	20
Visayas	2024	6	21	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	21	7	67	153	153	20
Visayas	2024	6	21	8	78	153	153	20
Visayas	2024	6	21	9	94	153	153	20
Visayas	2024	6	21	10	99	153	153	20
Visayas	2024	6	21	11	104	153	153	20
Visayas	2024	6	21	12	102	153	153	20
Visayas	2024	6	21	13	102	153	153	20
Visayas	2024	6	21	14	108	153	153	20
Visayas	2024	6	21	15	107	153	153	20
Visayas	2024	6	21	16	105	153	153	20
Visayas	2024	6	21	17	96	153	153	20
Visayas	2024	6	21	18	92	153	153	20
Visayas	2024	6	21	19	99	153	153	20
Visayas	2024	6	21	20	96	153	153	20
Visayas	2024	6	21	21	93	153	153	20
Visayas	2024	6	21	22	88	153	153	20
Visayas	2024	6	21	23	82	153	153	20
Visayas	2024	6	21	24	77	153	153	20
Visayas	2024	6	22	1	73	153	153	20
Visayas	2024	6	22	2	70	153	153	20
Visayas	2024	6	22	3	68	153	153	20
Visayas	2024	6	22	4	66	153	153	20
Visayas	2024	6	22	5	65	153	153	20
Visayas	2024	6	22	6	63	153	153	20
Visayas	2024	6	22	7	65	153	153	20
Visayas	2024	6	22	8	73	153	153	20
Visayas	2024	6	22	9	82	153	153	20
Visayas	2024	6	22	10	88	153	153	20
Visayas	2024	6	22	11	92	153	153	20
Visayas	2024	6	22	12	92	153	153	20
Visayas	2024	6	22	13	93	153	153	20
Visayas	2024	6	22	14	96	153	153	20
Visayas	2024	6	22	15	93	153	153	20
Visayas	2024	6	22	16	88	153	153	20
Visayas	2024	6	22	17	85	153	153	20
Visayas	2024	6	22	18	87	153	153	20
Visayas	2024	6	22	19	94	153	153	20
Visayas	2024	6	22	20	90	153	153	20
Visayas	2024	6	22	21	87	153	153	20
Visayas	2024	6	22	22	83	153	153	20
Visayas	2024	6	22	23	78	153	153	20
Visayas	2024	6	22	24	73	153	153	20
Visayas	2024	6	23	1	69	153	153	20
Visayas	2024	6	23	2	64	153	153	20
Visayas	2024	6	23	3	64	153	153	20
Visayas	2024	6	23	4	62	153	153	20
Visayas	2024	6	23	5	61	153	153	20
Visayas	2024	6	23	6	59	153	153	20
Visayas	2024	6	23	7	60	153	153	20
Visayas	2024	6	23	8	64	153	153	20
Visayas	2024	6	23	9	68	153	153	20
Visayas	2024	6	23	10	74	153	153	20
Visayas	2024	6	23	11	78	153	153	20
Visayas	2024	6	23	12	79	153	153	20
Visayas	2024	6	23	13	80	153	153	20
Visayas	2024	6	23	14	80	153	153	20
Visayas	2024	6	23	15	78	153	153	20
Visayas	2024	6	23	16	75	153	153	20
Visayas	2024	6	23	17	77	153	153	20
Visayas	2024	6	23	18	82	153	153	20
Visayas	2024	6	23	19	86	153	153	20
Visayas	2024	6	23	20	84	153	153	20
Visayas	2024	6	23	21	82	153	153	20
Visayas	2024	6	23	22	78	153	153	20
Visayas	2024	6	23	23	72	153	153	20
Visayas	2024	6	23	24	68	153	153	20
Visayas	2024	6	24	1	63	153	153	20
Visayas	2024	6	24	2	60	153	153	20
Visayas	2024	6	24	3	59	153	153	20
Visayas	2024	6	24	4	58	153	153	20
Visayas	2024	6	24	5	58	153	153	20
Visayas	2024	6	24	6	61	153	153	20
Visayas	2024	6	24	7	63	153	153	20
Visayas	2024	6	24	8	76	153	153	20
Visayas	2024	6	24	9	88	153	153	20
Visayas	2024	6	24	10	97	153	153	20
Visayas	2024	6	24	11	102	153	153	20
Visayas	2024	6	24	12	99	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	24	13	98	153	153	20
Visayas	2024	6	24	14	104	153	153	20
Visayas	2024	6	24	15	99	153	153	20
Visayas	2024	6	24	16	99	153	153	20
Visayas	2024	6	24	17	94	153	153	20
Visayas	2024	6	24	18	92	153	153	20
Visayas	2024	6	24	19	95	153	153	20
Visayas	2024	6	24	20	91	153	153	20
Visayas	2024	6	24	21	86	153	153	20
Visayas	2024	6	24	22	81	153	153	20
Visayas	2024	6	24	23	75	153	153	20
Visayas	2024	6	24	24	77	153	153	20
Visayas	2024	6	25	1	73	153	153	20
Visayas	2024	6	25	2	70	153	153	20
Visayas	2024	6	25	3	67	153	153	20
Visayas	2024	6	25	4	65	153	153	20
Visayas	2024	6	25	5	65	153	153	20
Visayas	2024	6	25	6	66	153	153	20
Visayas	2024	6	25	7	66	153	153	20
Visayas	2024	6	25	8	77	153	153	20
Visayas	2024	6	25	9	91	153	153	20
Visayas	2024	6	25	10	98	153	153	20
Visayas	2024	6	25	11	103	153	153	20
Visayas	2024	6	25	12	100	153	153	20
Visayas	2024	6	25	13	102	153	153	20
Visayas	2024	6	25	14	107	153	153	20
Visayas	2024	6	25	15	105	153	153	20
Visayas	2024	6	25	16	103	153	153	20
Visayas	2024	6	25	17	94	153	153	20
Visayas	2024	6	25	18	91	153	153	20
Visayas	2024	6	25	19	99	153	153	20
Visayas	2024	6	25	20	96	153	153	20
Visayas	2024	6	25	21	94	153	153	20
Visayas	2024	6	25	22	89	153	153	20
Visayas	2024	6	25	23	83	153	153	20
Visayas	2024	6	25	24	78	153	153	20
Visayas	2024	6	26	1	74	153	153	20
Visayas	2024	6	26	2	70	153	153	20
Visayas	2024	6	26	3	68	153	153	20
Visayas	2024	6	26	4	66	153	153	20
Visayas	2024	6	26	5	66	153	153	20
Visayas	2024	6	26	6	66	153	153	20
Visayas	2024	6	26	7	68	153	153	20
Visayas	2024	6	26	8	78	153	153	20
Visayas	2024	6	26	9	92	153	153	20
Visayas	2024	6	26	10	99	153	153	20
Visayas	2024	6	26	11	105	153	153	20
Visayas	2024	6	26	12	102	153	153	20
Visayas	2024	6	26	13	103	153	153	20
Visayas	2024	6	26	14	106	153	153	20
Visayas	2024	6	26	15	106	153	153	20
Visayas	2024	6	26	16	102	153	153	20
Visayas	2024	6	26	17	94	153	153	20
Visayas	2024	6	26	18	91	153	153	20
Visayas	2024	6	26	19	96	153	153	20
Visayas	2024	6	26	20	96	153	153	20
Visayas	2024	6	26	21	94	153	153	20
Visayas	2024	6	26	22	88	153	153	20
Visayas	2024	6	26	23	82	153	153	20
Visayas	2024	6	26	24	77	153	153	20
Visayas	2024	6	27	1	74	153	153	20
Visayas	2024	6	27	2	70	153	153	20
Visayas	2024	6	27	3	68	153	153	20
Visayas	2024	6	27	4	66	153	153	20
Visayas	2024	6	27	5	66	153	153	20
Visayas	2024	6	27	6	67	153	153	20
Visayas	2024	6	27	7	66	153	153	20
Visayas	2024	6	27	8	77	153	153	20
Visayas	2024	6	27	9	92	153	153	20
Visayas	2024	6	27	10	100	153	153	20
Visayas	2024	6	27	11	105	153	153	20
Visayas	2024	6	27	12	100	153	153	20
Visayas	2024	6	27	13	100	153	153	20
Visayas	2024	6	27	14	103	153	153	20
Visayas	2024	6	27	15	101	153	153	20
Visayas	2024	6	27	16	98	153	153	20
Visayas	2024	6	27	17	91	153	153	20
Visayas	2024	6	27	18	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	6	27	19	97	153	153	20
Visayas	2024	6	27	20	93	153	153	20
Visayas	2024	6	27	21	92	153	153	20
Visayas	2024	6	27	22	85	153	153	20
Visayas	2024	6	27	23	80	153	153	20
Visayas	2024	6	27	24	75	153	153	20
Visayas	2024	6	28	1	70	153	153	20
Visayas	2024	6	28	2	66	153	153	20
Visayas	2024	6	28	3	63	153	153	20
Visayas	2024	6	28	4	63	153	153	20
Visayas	2024	6	28	5	62	153	153	20
Visayas	2024	6	28	6	64	153	153	20
Visayas	2024	6	28	7	66	153	153	20
Visayas	2024	6	28	8	77	153	153	20
Visayas	2024	6	28	9	89	153	153	20
Visayas	2024	6	28	10	97	153	153	20
Visayas	2024	6	28	11	101	153	153	20
Visayas	2024	6	28	12	98	153	153	20
Visayas	2024	6	28	13	102	153	153	20
Visayas	2024	6	28	14	106	153	153	20
Visayas	2024	6	28	15	106	153	153	20
Visayas	2024	6	28	16	101	153	153	20
Visayas	2024	6	28	17	94	153	153	20
Visayas	2024	6	28	18	93	153	153	20
Visayas	2024	6	28	19	97	153	153	20
Visayas	2024	6	28	20	93	153	153	20
Visayas	2024	6	28	21	90	153	153	20
Visayas	2024	6	28	22	84	153	153	20
Visayas	2024	6	28	23	77	153	153	20
Visayas	2024	6	28	24	75	153	153	20
Visayas	2024	6	29	1	70	153	153	20
Visayas	2024	6	29	2	66	153	153	20
Visayas	2024	6	29	3	63	153	153	20
Visayas	2024	6	29	4	62	153	153	20
Visayas	2024	6	29	5	62	153	153	20
Visayas	2024	6	29	6	62	153	153	20
Visayas	2024	6	29	7	62	153	153	20
Visayas	2024	6	29	8	69	153	153	20
Visayas	2024	6	29	9	78	153	153	20
Visayas	2024	6	29	10	84	153	153	20
Visayas	2024	6	29	11	88	153	153	20
Visayas	2024	6	29	12	87	153	153	20
Visayas	2024	6	29	13	90	153	153	20
Visayas	2024	6	29	14	89	153	153	20
Visayas	2024	6	29	15	87	153	153	20
Visayas	2024	6	29	16	84	153	153	20
Visayas	2024	6	29	17	80	153	153	20
Visayas	2024	6	29	18	85	153	153	20
Visayas	2024	6	29	19	94	153	153	20
Visayas	2024	6	29	20	91	153	153	20
Visayas	2024	6	29	21	90	153	153	20
Visayas	2024	6	29	22	85	153	153	20
Visayas	2024	6	29	23	79	153	153	20
Visayas	2024	6	29	24	76	153	153	20
Visayas	2024	6	30	1	71	153	153	20
Visayas	2024	6	30	2	68	153	153	20
Visayas	2024	6	30	3	65	153	153	20
Visayas	2024	6	30	4	62	153	153	20
Visayas	2024	6	30	5	62	153	153	20
Visayas	2024	6	30	6	60	153	153	20
Visayas	2024	6	30	7	58	153	153	20
Visayas	2024	6	30	8	63	153	153	20
Visayas	2024	6	30	9	68	153	153	20
Visayas	2024	6	30	10	73	153	153	20
Visayas	2024	6	30	11	77	153	153	20
Visayas	2024	6	30	12	77	153	153	20
Visayas	2024	6	30	13	79	153	153	20
Visayas	2024	6	30	14	80	153	153	20
Visayas	2024	6	30	15	79	153	153	20
Visayas	2024	6	30	16	77	153	153	20
Visayas	2024	6	30	17	75	153	153	20
Visayas	2024	6	30	18	83	153	153	20
Visayas	2024	6	30	19	89	153	153	20
Visayas	2024	6	30	20	87	153	153	20
Visayas	2024	6	30	21	85	153	153	20
Visayas	2024	6	30	22	81	153	153	20
Visayas	2024	6	30	23	76	153	153	20
Visayas	2024	6	30	24	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	1	1	67	153	153	20
Visayas	2024	7	1	2	66	153	153	20
Visayas	2024	7	1	3	62	153	153	20
Visayas	2024	7	1	4	61	153	153	20
Visayas	2024	7	1	5	60	153	153	20
Visayas	2024	7	1	6	62	153	153	20
Visayas	2024	7	1	7	67	153	153	20
Visayas	2024	7	1	8	78	153	153	20
Visayas	2024	7	1	9	91	153	153	20
Visayas	2024	7	1	10	100	153	153	20
Visayas	2024	7	1	11	103	153	153	20
Visayas	2024	7	1	12	100	153	153	20
Visayas	2024	7	1	13	96	153	153	20
Visayas	2024	7	1	14	101	153	153	20
Visayas	2024	7	1	15	100	153	153	20
Visayas	2024	7	1	16	97	153	153	20
Visayas	2024	7	1	17	91	153	153	20
Visayas	2024	7	1	18	87	153	153	20
Visayas	2024	7	1	19	96	153	153	20
Visayas	2024	7	1	20	91	153	153	20
Visayas	2024	7	1	21	88	153	153	20
Visayas	2024	7	1	22	83	153	153	20
Visayas	2024	7	1	23	78	153	153	20
Visayas	2024	7	1	24	74	153	153	20
Visayas	2024	7	2	1	69	153	153	20
Visayas	2024	7	2	2	66	153	153	20
Visayas	2024	7	2	3	63	153	153	20
Visayas	2024	7	2	4	61	153	153	20
Visayas	2024	7	2	5	64	153	153	20
Visayas	2024	7	2	6	66	153	153	20
Visayas	2024	7	2	7	67	153	153	20
Visayas	2024	7	2	8	78	153	153	20
Visayas	2024	7	2	9	90	153	153	20
Visayas	2024	7	2	10	97	153	153	20
Visayas	2024	7	2	11	102	153	153	20
Visayas	2024	7	2	12	97	153	153	20
Visayas	2024	7	2	13	93	153	153	20
Visayas	2024	7	2	14	99	153	153	20
Visayas	2024	7	2	15	99	153	153	20
Visayas	2024	7	2	16	98	153	153	20
Visayas	2024	7	2	17	93	153	153	20
Visayas	2024	7	2	18	91	153	153	20
Visayas	2024	7	2	19	93	153	153	20
Visayas	2024	7	2	20	87	153	153	20
Visayas	2024	7	2	21	83	153	153	20
Visayas	2024	7	2	22	78	153	153	20
Visayas	2024	7	2	23	72	153	153	20
Visayas	2024	7	2	24	67	153	153	20
Visayas	2024	7	3	1	65	153	153	20
Visayas	2024	7	3	2	62	153	153	20
Visayas	2024	7	3	3	60	153	153	20
Visayas	2024	7	3	4	59	153	153	20
Visayas	2024	7	3	5	60	153	153	20
Visayas	2024	7	3	6	62	153	153	20
Visayas	2024	7	3	7	49	153	153	20
Visayas	2024	7	3	8	60	153	153	20
Visayas	2024	7	3	9	72	153	153	20
Visayas	2024	7	3	10	85	153	153	20
Visayas	2024	7	3	11	89	153	153	20
Visayas	2024	7	3	12	89	153	153	20
Visayas	2024	7	3	13	76	153	153	20
Visayas	2024	7	3	14	83	153	153	20
Visayas	2024	7	3	15	86	153	153	20
Visayas	2024	7	3	16	85	153	153	20
Visayas	2024	7	3	17	81	153	153	20
Visayas	2024	7	3	18	79	153	153	20
Visayas	2024	7	3	19	83	153	153	20
Visayas	2024	7	3	20	82	153	153	20
Visayas	2024	7	3	21	81	153	153	20
Visayas	2024	7	3	22	76	153	153	20
Visayas	2024	7	3	23	70	153	153	20
Visayas	2024	7	3	24	66	153	153	20
Visayas	2024	7	4	1	62	153	153	20
Visayas	2024	7	4	2	60	153	153	20
Visayas	2024	7	4	3	58	153	153	20
Visayas	2024	7	4	4	58	153	153	20
Visayas	2024	7	4	5	58	153	153	20
Visayas	2024	7	4	6	61	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	4	7	62	153	153	20
Visayas	2024	7	4	8	74	153	153	20
Visayas	2024	7	4	9	90	153	153	20
Visayas	2024	7	4	10	96	153	153	20
Visayas	2024	7	4	11	99	153	153	20
Visayas	2024	7	4	12	96	153	153	20
Visayas	2024	7	4	13	96	153	153	20
Visayas	2024	7	4	14	100	153	153	20
Visayas	2024	7	4	15	99	153	153	20
Visayas	2024	7	4	16	96	153	153	20
Visayas	2024	7	4	17	90	153	153	20
Visayas	2024	7	4	18	87	153	153	20
Visayas	2024	7	4	19	93	153	153	20
Visayas	2024	7	4	20	89	153	153	20
Visayas	2024	7	4	21	85	153	153	20
Visayas	2024	7	4	22	78	153	153	20
Visayas	2024	7	4	23	74	153	153	20
Visayas	2024	7	4	24	68	153	153	20
Visayas	2024	7	5	1	65	153	153	20
Visayas	2024	7	5	2	64	153	153	20
Visayas	2024	7	5	3	60	153	153	20
Visayas	2024	7	5	4	59	153	153	20
Visayas	2024	7	5	5	59	153	153	20
Visayas	2024	7	5	6	61	153	153	20
Visayas	2024	7	5	7	63	153	153	20
Visayas	2024	7	5	8	74	153	153	20
Visayas	2024	7	5	9	87	153	153	20
Visayas	2024	7	5	10	93	153	153	20
Visayas	2024	7	5	11	94	153	153	20
Visayas	2024	7	5	12	92	153	153	20
Visayas	2024	7	5	13	91	153	153	20
Visayas	2024	7	5	14	95	153	153	20
Visayas	2024	7	5	15	92	153	153	20
Visayas	2024	7	5	16	90	153	153	20
Visayas	2024	7	5	17	84	153	153	20
Visayas	2024	7	5	18	86	153	153	20
Visayas	2024	7	5	19	89	153	153	20
Visayas	2024	7	5	20	87	153	153	20
Visayas	2024	7	5	21	81	153	153	20
Visayas	2024	7	5	22	75	153	153	20
Visayas	2024	7	5	23	70	153	153	20
Visayas	2024	7	5	24	67	153	153	20
Visayas	2024	7	6	1	63	153	153	20
Visayas	2024	7	6	2	60	153	153	20
Visayas	2024	7	6	3	58	153	153	20
Visayas	2024	7	6	4	57	153	153	20
Visayas	2024	7	6	5	58	153	153	20
Visayas	2024	7	6	6	58	153	153	20
Visayas	2024	7	6	7	56	153	153	20
Visayas	2024	7	6	8	62	153	153	20
Visayas	2024	7	6	9	70	153	153	20
Visayas	2024	7	6	10	77	153	153	20
Visayas	2024	7	6	11	79	153	153	20
Visayas	2024	7	6	12	79	153	153	20
Visayas	2024	7	6	13	80	153	153	20
Visayas	2024	7	6	14	81	153	153	20
Visayas	2024	7	6	15	78	153	153	20
Visayas	2024	7	6	16	77	153	153	20
Visayas	2024	7	6	17	76	153	153	20
Visayas	2024	7	6	18	80	153	153	20
Visayas	2024	7	6	19	86	153	153	20
Visayas	2024	7	6	20	82	153	153	20
Visayas	2024	7	6	21	79	153	153	20
Visayas	2024	7	6	22	75	153	153	20
Visayas	2024	7	6	23	70	153	153	20
Visayas	2024	7	6	24	66	153	153	20
Visayas	2024	7	7	1	62	153	153	20
Visayas	2024	7	7	2	60	153	153	20
Visayas	2024	7	7	3	58	153	153	20
Visayas	2024	7	7	4	57	153	153	20
Visayas	2024	7	7	5	56	153	153	20
Visayas	2024	7	7	6	56	153	153	20
Visayas	2024	7	7	7	56	153	153	20
Visayas	2024	7	7	8	58	153	153	20
Visayas	2024	7	7	9	64	153	153	20
Visayas	2024	7	7	10	70	153	153	20
Visayas	2024	7	7	11	71	153	153	20
Visayas	2024	7	7	12	74	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	7	13	74	153	153	20
Visayas	2024	7	7	14	74	153	153	20
Visayas	2024	7	7	15	71	153	153	20
Visayas	2024	7	7	16	70	153	153	20
Visayas	2024	7	7	17	72	153	153	20
Visayas	2024	7	7	18	74	153	153	20
Visayas	2024	7	7	19	83	153	153	20
Visayas	2024	7	7	20	80	153	153	20
Visayas	2024	7	7	21	78	153	153	20
Visayas	2024	7	7	22	73	153	153	20
Visayas	2024	7	7	23	68	153	153	20
Visayas	2024	7	7	24	64	153	153	20
Visayas	2024	7	8	1	60	153	153	20
Visayas	2024	7	8	2	57	153	153	20
Visayas	2024	7	8	3	56	153	153	20
Visayas	2024	7	8	4	55	153	153	20
Visayas	2024	7	8	5	55	153	153	20
Visayas	2024	7	8	6	58	153	153	20
Visayas	2024	7	8	7	60	153	153	20
Visayas	2024	7	8	8	70	153	153	20
Visayas	2024	7	8	9	84	153	153	20
Visayas	2024	7	8	10	92	153	153	20
Visayas	2024	7	8	11	97	153	153	20
Visayas	2024	7	8	12	94	153	153	20
Visayas	2024	7	8	13	94	153	153	20
Visayas	2024	7	8	14	100	153	153	20
Visayas	2024	7	8	15	99	153	153	20
Visayas	2024	7	8	16	96	153	153	20
Visayas	2024	7	8	17	90	153	153	20
Visayas	2024	7	8	18	88	153	153	20
Visayas	2024	7	8	19	93	153	153	20
Visayas	2024	7	8	20	88	153	153	20
Visayas	2024	7	8	21	84	153	153	20
Visayas	2024	7	8	22	78	153	153	20
Visayas	2024	7	8	23	73	153	153	20
Visayas	2024	7	8	24	69	153	153	20
Visayas	2024	7	9	1	65	153	153	20
Visayas	2024	7	9	2	62	153	153	20
Visayas	2024	7	9	3	60	153	153	20
Visayas	2024	7	9	4	58	153	153	20
Visayas	2024	7	9	5	58	153	153	20
Visayas	2024	7	9	6	61	153	153	20
Visayas	2024	7	9	7	62	153	153	20
Visayas	2024	7	9	8	73	153	153	20
Visayas	2024	7	9	9	86	153	153	20
Visayas	2024	7	9	10	94	153	153	20
Visayas	2024	7	9	11	99	153	153	20
Visayas	2024	7	9	12	95	153	153	20
Visayas	2024	7	9	13	96	153	153	20
Visayas	2024	7	9	14	100	153	153	20
Visayas	2024	7	9	15	100	153	153	20
Visayas	2024	7	9	16	98	153	153	20
Visayas	2024	7	9	17	91	153	153	20
Visayas	2024	7	9	18	89	153	153	20
Visayas	2024	7	9	19	95	153	153	20
Visayas	2024	7	9	20	91	153	153	20
Visayas	2024	7	9	21	88	153	153	20
Visayas	2024	7	9	22	81	153	153	20
Visayas	2024	7	9	23	73	153	153	20
Visayas	2024	7	9	24	69	153	153	20
Visayas	2024	7	10	1	68	153	153	20
Visayas	2024	7	10	2	64	153	153	20
Visayas	2024	7	10	3	61	153	153	20
Visayas	2024	7	10	4	59	153	153	20
Visayas	2024	7	10	5	60	153	153	20
Visayas	2024	7	10	6	62	153	153	20
Visayas	2024	7	10	7	64	153	153	20
Visayas	2024	7	10	8	76	153	153	20
Visayas	2024	7	10	9	90	153	153	20
Visayas	2024	7	10	10	98	153	153	20
Visayas	2024	7	10	11	102	153	153	20
Visayas	2024	7	10	12	100	153	153	20
Visayas	2024	7	10	13	100	153	153	20
Visayas	2024	7	10	14	104	153	153	20
Visayas	2024	7	10	15	102	153	153	20
Visayas	2024	7	10	16	98	153	153	20
Visayas	2024	7	10	17	92	153	153	20
Visayas	2024	7	10	18	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	10	19	93	153	153	20
Visayas	2024	7	10	20	89	153	153	20
Visayas	2024	7	10	21	85	153	153	20
Visayas	2024	7	10	22	80	153	153	20
Visayas	2024	7	10	23	73	153	153	20
Visayas	2024	7	10	24	68	153	153	20
Visayas	2024	7	11	1	58	153	153	20
Visayas	2024	7	11	2	59	153	153	20
Visayas	2024	7	11	3	59	153	153	20
Visayas	2024	7	11	4	57	153	153	20
Visayas	2024	7	11	5	58	153	153	20
Visayas	2024	7	11	6	59	153	153	20
Visayas	2024	7	11	7	61	153	153	20
Visayas	2024	7	11	8	73	153	153	20
Visayas	2024	7	11	9	87	153	153	20
Visayas	2024	7	11	10	97	153	153	20
Visayas	2024	7	11	11	102	153	153	20
Visayas	2024	7	11	12	99	153	153	20
Visayas	2024	7	11	13	100	153	153	20
Visayas	2024	7	11	14	107	153	153	20
Visayas	2024	7	11	15	108	153	153	20
Visayas	2024	7	11	16	103	153	153	20
Visayas	2024	7	11	17	95	153	153	20
Visayas	2024	7	11	18	91	153	153	20
Visayas	2024	7	11	19	98	153	153	20
Visayas	2024	7	11	20	94	153	153	20
Visayas	2024	7	11	21	90	153	153	20
Visayas	2024	7	11	22	84	153	153	20
Visayas	2024	7	11	23	79	153	153	20
Visayas	2024	7	11	24	73	153	153	20
Visayas	2024	7	12	1	69	153	153	20
Visayas	2024	7	12	2	66	153	153	20
Visayas	2024	7	12	3	63	153	153	20
Visayas	2024	7	12	4	61	153	153	20
Visayas	2024	7	12	5	62	153	153	20
Visayas	2024	7	12	6	63	153	153	20
Visayas	2024	7	12	7	66	153	153	20
Visayas	2024	7	12	8	78	153	153	20
Visayas	2024	7	12	9	91	153	153	20
Visayas	2024	7	12	10	100	153	153	20
Visayas	2024	7	12	11	103	153	153	20
Visayas	2024	7	12	12	100	153	153	20
Visayas	2024	7	12	13	100	153	153	20
Visayas	2024	7	12	14	105	153	153	20
Visayas	2024	7	12	15	102	153	153	20
Visayas	2024	7	12	16	101	153	153	20
Visayas	2024	7	12	17	92	153	153	20
Visayas	2024	7	12	18	90	153	153	20
Visayas	2024	7	12	19	97	153	153	20
Visayas	2024	7	12	20	94	153	153	20
Visayas	2024	7	12	21	91	153	153	20
Visayas	2024	7	12	22	84	153	153	20
Visayas	2024	7	12	23	80	153	153	20
Visayas	2024	7	12	24	74	153	153	20
Visayas	2024	7	13	1	71	153	153	20
Visayas	2024	7	13	2	67	153	153	20
Visayas	2024	7	13	3	65	153	153	20
Visayas	2024	7	13	4	62	153	153	20
Visayas	2024	7	13	5	61	153	153	20
Visayas	2024	7	13	6	62	153	153	20
Visayas	2024	7	13	7	63	153	153	20
Visayas	2024	7	13	8	72	153	153	20
Visayas	2024	7	13	9	79	153	153	20
Visayas	2024	7	13	10	85	153	153	20
Visayas	2024	7	13	11	88	153	153	20
Visayas	2024	7	13	12	89	153	153	20
Visayas	2024	7	13	13	88	153	153	20
Visayas	2024	7	13	14	92	153	153	20
Visayas	2024	7	13	15	91	153	153	20
Visayas	2024	7	13	16	87	153	153	20
Visayas	2024	7	13	17	84	153	153	20
Visayas	2024	7	13	18	85	153	153	20
Visayas	2024	7	13	19	90	153	153	20
Visayas	2024	7	13	20	83	153	153	20
Visayas	2024	7	13	21	84	153	153	20
Visayas	2024	7	13	22	80	153	153	20
Visayas	2024	7	13	23	76	153	153	20
Visayas	2024	7	13	24	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	14	1	67	153	153	20
Visayas	2024	7	14	2	64	153	153	20
Visayas	2024	7	14	3	61	153	153	20
Visayas	2024	7	14	4	59	153	153	20
Visayas	2024	7	14	5	60	153	153	20
Visayas	2024	7	14	6	58	153	153	20
Visayas	2024	7	14	7	57	153	153	20
Visayas	2024	7	14	8	60	153	153	20
Visayas	2024	7	14	9	64	153	153	20
Visayas	2024	7	14	10	70	153	153	20
Visayas	2024	7	14	11	73	153	153	20
Visayas	2024	7	14	12	74	153	153	20
Visayas	2024	7	14	13	74	153	153	20
Visayas	2024	7	14	14	77	153	153	20
Visayas	2024	7	14	15	75	153	153	20
Visayas	2024	7	14	16	73	153	153	20
Visayas	2024	7	14	17	73	153	153	20
Visayas	2024	7	14	18	78	153	153	20
Visayas	2024	7	14	19	87	153	153	20
Visayas	2024	7	14	20	82	153	153	20
Visayas	2024	7	14	21	79	153	153	20
Visayas	2024	7	14	22	75	153	153	20
Visayas	2024	7	14	23	71	153	153	20
Visayas	2024	7	14	24	65	153	153	20
Visayas	2024	7	15	1	61	153	153	20
Visayas	2024	7	15	2	59	153	153	20
Visayas	2024	7	15	3	57	153	153	20
Visayas	2024	7	15	4	56	153	153	20
Visayas	2024	7	15	5	56	153	153	20
Visayas	2024	7	15	6	59	153	153	20
Visayas	2024	7	15	7	62	153	153	20
Visayas	2024	7	15	8	69	153	153	20
Visayas	2024	7	15	9	82	153	153	20
Visayas	2024	7	15	10	91	153	153	20
Visayas	2024	7	15	11	93	153	153	20
Visayas	2024	7	15	12	91	153	153	20
Visayas	2024	7	15	13	91	153	153	20
Visayas	2024	7	15	14	98	153	153	20
Visayas	2024	7	15	15	97	153	153	20
Visayas	2024	7	15	16	93	153	153	20
Visayas	2024	7	15	17	89	153	153	20
Visayas	2024	7	15	18	87	153	153	20
Visayas	2024	7	15	19	92	153	153	20
Visayas	2024	7	15	20	86	153	153	20
Visayas	2024	7	15	21	83	153	153	20
Visayas	2024	7	15	22	76	153	153	20
Visayas	2024	7	15	23	73	153	153	20
Visayas	2024	7	15	24	68	153	153	20
Visayas	2024	7	16	1	64	153	153	20
Visayas	2024	7	16	2	61	153	153	20
Visayas	2024	7	16	3	58	153	153	20
Visayas	2024	7	16	4	58	153	153	20
Visayas	2024	7	16	5	59	153	153	20
Visayas	2024	7	16	6	61	153	153	20
Visayas	2024	7	16	7	64	153	153	20
Visayas	2024	7	16	8	72	153	153	20
Visayas	2024	7	16	9	86	153	153	20
Visayas	2024	7	16	10	95	153	153	20
Visayas	2024	7	16	11	99	153	153	20
Visayas	2024	7	16	12	96	153	153	20
Visayas	2024	7	16	13	97	153	153	20
Visayas	2024	7	16	14	102	153	153	20
Visayas	2024	7	16	15	102	153	153	20
Visayas	2024	7	16	16	99	153	153	20
Visayas	2024	7	16	17	92	153	153	20
Visayas	2024	7	16	18	90	153	153	20
Visayas	2024	7	16	19	96	153	153	20
Visayas	2024	7	16	20	92	153	153	20
Visayas	2024	7	16	21	89	153	153	20
Visayas	2024	7	16	22	83	153	153	20
Visayas	2024	7	16	23	77	153	153	20
Visayas	2024	7	16	24	72	153	153	20
Visayas	2024	7	17	1	69	153	153	20
Visayas	2024	7	17	2	66	153	153	20
Visayas	2024	7	17	3	63	153	153	20
Visayas	2024	7	17	4	61	153	153	20
Visayas	2024	7	17	5	62	153	153	20
Visayas	2024	7	17	6	64	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	17	7	67	153	153	20
Visayas	2024	7	17	8	78	153	153	20
Visayas	2024	7	17	9	91	153	153	20
Visayas	2024	7	17	10	99	153	153	20
Visayas	2024	7	17	11	99	153	153	20
Visayas	2024	7	17	12	100	153	153	20
Visayas	2024	7	17	13	100	153	153	20
Visayas	2024	7	17	14	104	153	153	20
Visayas	2024	7	17	15	103	153	153	20
Visayas	2024	7	17	16	101	153	153	20
Visayas	2024	7	17	17	96	153	153	20
Visayas	2024	7	17	18	92	153	153	20
Visayas	2024	7	17	19	101	153	153	20
Visayas	2024	7	17	20	96	153	153	20
Visayas	2024	7	17	21	93	153	153	20
Visayas	2024	7	17	22	87	153	153	20
Visayas	2024	7	17	23	81	153	153	20
Visayas	2024	7	17	24	75	153	153	20
Visayas	2024	7	18	1	72	153	153	20
Visayas	2024	7	18	2	69	153	153	20
Visayas	2024	7	18	3	66	153	153	20
Visayas	2024	7	18	4	64	153	153	20
Visayas	2024	7	18	5	64	153	153	20
Visayas	2024	7	18	6	66	153	153	20
Visayas	2024	7	18	7	68	153	153	20
Visayas	2024	7	18	8	78	153	153	20
Visayas	2024	7	18	9	90	153	153	20
Visayas	2024	7	18	10	96	153	153	20
Visayas	2024	7	18	11	100	153	153	20
Visayas	2024	7	18	12	97	153	153	20
Visayas	2024	7	18	13	97	153	153	20
Visayas	2024	7	18	14	102	153	153	20
Visayas	2024	7	18	15	102	153	153	20
Visayas	2024	7	18	16	101	153	153	20
Visayas	2024	7	18	17	92	153	153	20
Visayas	2024	7	18	18	90	153	153	20
Visayas	2024	7	18	19	96	153	153	20
Visayas	2024	7	18	20	91	153	153	20
Visayas	2024	7	18	21	87	153	153	20
Visayas	2024	7	18	22	81	153	153	20
Visayas	2024	7	18	23	76	153	153	20
Visayas	2024	7	18	24	71	153	153	20
Visayas	2024	7	19	1	68	153	153	20
Visayas	2024	7	19	2	66	153	153	20
Visayas	2024	7	19	3	62	153	153	20
Visayas	2024	7	19	4	61	153	153	20
Visayas	2024	7	19	5	61	153	153	20
Visayas	2024	7	19	6	63	153	153	20
Visayas	2024	7	19	7	66	153	153	20
Visayas	2024	7	19	8	77	153	153	20
Visayas	2024	7	19	9	90	153	153	20
Visayas	2024	7	19	10	98	153	153	20
Visayas	2024	7	19	11	103	153	153	20
Visayas	2024	7	19	12	102	153	153	20
Visayas	2024	7	19	13	100	153	153	20
Visayas	2024	7	19	14	106	153	153	20
Visayas	2024	7	19	15	104	153	153	20
Visayas	2024	7	19	16	102	153	153	20
Visayas	2024	7	19	17	92	153	153	20
Visayas	2024	7	19	18	90	153	153	20
Visayas	2024	7	19	19	97	153	153	20
Visayas	2024	7	19	20	94	153	153	20
Visayas	2024	7	19	21	91	153	153	20
Visayas	2024	7	19	22	85	153	153	20
Visayas	2024	7	19	23	80	153	153	20
Visayas	2024	7	19	24	75	153	153	20
Visayas	2024	7	20	1	71	153	153	20
Visayas	2024	7	20	2	67	153	153	20
Visayas	2024	7	20	3	65	153	153	20
Visayas	2024	7	20	4	63	153	153	20
Visayas	2024	7	20	5	62	153	153	20
Visayas	2024	7	20	6	63	153	153	20
Visayas	2024	7	20	7	62	153	153	20
Visayas	2024	7	20	8	72	153	153	20
Visayas	2024	7	20	9	81	153	153	20
Visayas	2024	7	20	10	88	153	153	20
Visayas	2024	7	20	11	91	153	153	20
Visayas	2024	7	20	12	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	20	13	92	153	153	20
Visayas	2024	7	20	14	97	153	153	20
Visayas	2024	7	20	15	94	153	153	20
Visayas	2024	7	20	16	91	153	153	20
Visayas	2024	7	20	17	85	153	153	20
Visayas	2024	7	20	18	88	153	153	20
Visayas	2024	7	20	19	94	153	153	20
Visayas	2024	7	20	20	89	153	153	20
Visayas	2024	7	20	21	86	153	153	20
Visayas	2024	7	20	22	83	153	153	20
Visayas	2024	7	20	23	76	153	153	20
Visayas	2024	7	20	24	72	153	153	20
Visayas	2024	7	21	1	67	153	153	20
Visayas	2024	7	21	2	64	153	153	20
Visayas	2024	7	21	3	61	153	153	20
Visayas	2024	7	21	4	60	153	153	20
Visayas	2024	7	21	5	60	153	153	20
Visayas	2024	7	21	6	59	153	153	20
Visayas	2024	7	21	7	59	153	153	20
Visayas	2024	7	21	8	62	153	153	20
Visayas	2024	7	21	9	68	153	153	20
Visayas	2024	7	21	10	74	153	153	20
Visayas	2024	7	21	11	77	153	153	20
Visayas	2024	7	21	12	77	153	153	20
Visayas	2024	7	21	13	77	153	153	20
Visayas	2024	7	21	14	77	153	153	20
Visayas	2024	7	21	15	74	153	153	20
Visayas	2024	7	21	16	74	153	153	20
Visayas	2024	7	21	17	76	153	153	20
Visayas	2024	7	21	18	81	153	153	20
Visayas	2024	7	21	19	86	153	153	20
Visayas	2024	7	21	20	80	153	153	20
Visayas	2024	7	21	21	80	153	153	20
Visayas	2024	7	21	22	75	153	153	20
Visayas	2024	7	21	23	70	153	153	20
Visayas	2024	7	21	24	65	153	153	20
Visayas	2024	7	22	1	61	153	153	20
Visayas	2024	7	22	2	59	153	153	20
Visayas	2024	7	22	3	58	153	153	20
Visayas	2024	7	22	4	56	153	153	20
Visayas	2024	7	22	5	57	153	153	20
Visayas	2024	7	22	6	59	153	153	20
Visayas	2024	7	22	7	62	153	153	20
Visayas	2024	7	22	8	73	153	153	20
Visayas	2024	7	22	9	88	153	153	20
Visayas	2024	7	22	10	93	153	153	20
Visayas	2024	7	22	11	98	153	153	20
Visayas	2024	7	22	12	97	153	153	20
Visayas	2024	7	22	13	96	153	153	20
Visayas	2024	7	22	14	100	153	153	20
Visayas	2024	7	22	15	98	153	153	20
Visayas	2024	7	22	16	96	153	153	20
Visayas	2024	7	22	17	90	153	153	20
Visayas	2024	7	22	18	88	153	153	20
Visayas	2024	7	22	19	93	153	153	20
Visayas	2024	7	22	20	89	153	153	20
Visayas	2024	7	22	21	85	153	153	20
Visayas	2024	7	22	22	79	153	153	20
Visayas	2024	7	22	23	74	153	153	20
Visayas	2024	7	22	24	69	153	153	20
Visayas	2024	7	23	1	65	153	153	20
Visayas	2024	7	23	2	62	153	153	20
Visayas	2024	7	23	3	60	153	153	20
Visayas	2024	7	23	4	59	153	153	20
Visayas	2024	7	23	5	60	153	153	20
Visayas	2024	7	23	6	62	153	153	20
Visayas	2024	7	23	7	64	153	153	20
Visayas	2024	7	23	8	77	153	153	20
Visayas	2024	7	23	9	93	153	153	20
Visayas	2024	7	23	10	100	153	153	20
Visayas	2024	7	23	11	104	153	153	20
Visayas	2024	7	23	12	101	153	153	20
Visayas	2024	7	23	13	103	153	153	20
Visayas	2024	7	23	14	108	153	153	20
Visayas	2024	7	23	15	105	153	153	20
Visayas	2024	7	23	16	102	153	153	20
Visayas	2024	7	23	17	95	153	153	20
Visayas	2024	7	23	18	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	23	19	99	153	153	20
Visayas	2024	7	23	20	95	153	153	20
Visayas	2024	7	23	21	90	153	153	20
Visayas	2024	7	23	22	85	153	153	20
Visayas	2024	7	23	23	80	153	153	20
Visayas	2024	7	23	24	74	153	153	20
Visayas	2024	7	24	1	71	153	153	20
Visayas	2024	7	24	2	67	153	153	20
Visayas	2024	7	24	3	65	153	153	20
Visayas	2024	7	24	4	62	153	153	20
Visayas	2024	7	24	5	63	153	153	20
Visayas	2024	7	24	6	65	153	153	20
Visayas	2024	7	24	7	68	153	153	20
Visayas	2024	7	24	8	78	153	153	20
Visayas	2024	7	24	9	93	153	153	20
Visayas	2024	7	24	10	99	153	153	20
Visayas	2024	7	24	11	105	153	153	20
Visayas	2024	7	24	12	104	153	153	20
Visayas	2024	7	24	13	102	153	153	20
Visayas	2024	7	24	14	106	153	153	20
Visayas	2024	7	24	15	106	153	153	20
Visayas	2024	7	24	16	105	153	153	20
Visayas	2024	7	24	17	97	153	153	20
Visayas	2024	7	24	18	94	153	153	20
Visayas	2024	7	24	19	101	153	153	20
Visayas	2024	7	24	20	98	153	153	20
Visayas	2024	7	24	21	95	153	153	20
Visayas	2024	7	24	22	88	153	153	20
Visayas	2024	7	24	23	83	153	153	20
Visayas	2024	7	24	24	77	153	153	20
Visayas	2024	7	25	1	73	153	153	20
Visayas	2024	7	25	2	70	153	153	20
Visayas	2024	7	25	3	67	153	153	20
Visayas	2024	7	25	4	65	153	153	20
Visayas	2024	7	25	5	65	153	153	20
Visayas	2024	7	25	6	67	153	153	20
Visayas	2024	7	25	7	68	153	153	20
Visayas	2024	7	25	8	79	153	153	20
Visayas	2024	7	25	9	95	153	153	20
Visayas	2024	7	25	10	102	153	153	20
Visayas	2024	7	25	11	107	153	153	20
Visayas	2024	7	25	12	105	153	153	20
Visayas	2024	7	25	13	105	153	153	20
Visayas	2024	7	25	14	111	153	153	20
Visayas	2024	7	25	15	110	153	153	20
Visayas	2024	7	25	16	107	153	153	20
Visayas	2024	7	25	17	98	153	153	20
Visayas	2024	7	25	18	95	153	153	20
Visayas	2024	7	25	19	102	153	153	20
Visayas	2024	7	25	20	99	153	153	20
Visayas	2024	7	25	21	96	153	153	20
Visayas	2024	7	25	22	89	153	153	20
Visayas	2024	7	25	23	84	153	153	20
Visayas	2024	7	25	24	79	153	153	20
Visayas	2024	7	26	1	74	153	153	20
Visayas	2024	7	26	2	71	153	153	20
Visayas	2024	7	26	3	69	153	153	20
Visayas	2024	7	26	4	63	153	153	20
Visayas	2024	7	26	5	66	153	153	20
Visayas	2024	7	26	6	68	153	153	20
Visayas	2024	7	26	7	68	153	153	20
Visayas	2024	7	26	8	78	153	153	20
Visayas	2024	7	26	9	92	153	153	20
Visayas	2024	7	26	10	100	153	153	20
Visayas	2024	7	26	11	105	153	153	20
Visayas	2024	7	26	12	102	153	153	20
Visayas	2024	7	26	13	102	153	153	20
Visayas	2024	7	26	14	107	153	153	20
Visayas	2024	7	26	15	106	153	153	20
Visayas	2024	7	26	16	101	153	153	20
Visayas	2024	7	26	17	94	153	153	20
Visayas	2024	7	26	18	93	153	153	20
Visayas	2024	7	26	19	97	153	153	20
Visayas	2024	7	26	20	93	153	153	20
Visayas	2024	7	26	21	91	153	153	20
Visayas	2024	7	26	22	85	153	153	20
Visayas	2024	7	26	23	79	153	153	20
Visayas	2024	7	26	24	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	27	1	71	153	153	20
Visayas	2024	7	27	2	68	153	153	20
Visayas	2024	7	27	3	65	153	153	20
Visayas	2024	7	27	4	62	153	153	20
Visayas	2024	7	27	5	61	153	153	20
Visayas	2024	7	27	6	63	153	153	20
Visayas	2024	7	27	7	63	153	153	20
Visayas	2024	7	27	8	70	153	153	20
Visayas	2024	7	27	9	80	153	153	20
Visayas	2024	7	27	10	83	153	153	20
Visayas	2024	7	27	11	87	153	153	20
Visayas	2024	7	27	12	86	153	153	20
Visayas	2024	7	27	13	86	153	153	20
Visayas	2024	7	27	14	89	153	153	20
Visayas	2024	7	27	15	90	153	153	20
Visayas	2024	7	27	16	88	153	153	20
Visayas	2024	7	27	17	84	153	153	20
Visayas	2024	7	27	18	86	153	153	20
Visayas	2024	7	27	19	93	153	153	20
Visayas	2024	7	27	20	88	153	153	20
Visayas	2024	7	27	21	85	153	153	20
Visayas	2024	7	27	22	81	153	153	20
Visayas	2024	7	27	23	76	153	153	20
Visayas	2024	7	27	24	73	153	153	20
Visayas	2024	7	28	1	68	153	153	20
Visayas	2024	7	28	2	65	153	153	20
Visayas	2024	7	28	3	62	153	153	20
Visayas	2024	7	28	4	61	153	153	20
Visayas	2024	7	28	5	60	153	153	20
Visayas	2024	7	28	6	60	153	153	20
Visayas	2024	7	28	7	59	153	153	20
Visayas	2024	7	28	8	61	153	153	20
Visayas	2024	7	28	9	65	153	153	20
Visayas	2024	7	28	10	71	153	153	20
Visayas	2024	7	28	11	74	153	153	20
Visayas	2024	7	28	12	75	153	153	20
Visayas	2024	7	28	13	75	153	153	20
Visayas	2024	7	28	14	77	153	153	20
Visayas	2024	7	28	15	74	153	153	20
Visayas	2024	7	28	16	73	153	153	20
Visayas	2024	7	28	17	74	153	153	20
Visayas	2024	7	28	18	80	153	153	20
Visayas	2024	7	28	19	88	153	153	20
Visayas	2024	7	28	20	85	153	153	20
Visayas	2024	7	28	21	82	153	153	20
Visayas	2024	7	28	22	77	153	153	20
Visayas	2024	7	28	23	72	153	153	20
Visayas	2024	7	28	24	68	153	153	20
Visayas	2024	7	29	1	63	153	153	20
Visayas	2024	7	29	2	60	153	153	20
Visayas	2024	7	29	3	57	153	153	20
Visayas	2024	7	29	4	55	153	153	20
Visayas	2024	7	29	5	55	153	153	20
Visayas	2024	7	29	6	59	153	153	20
Visayas	2024	7	29	7	59	153	153	20
Visayas	2024	7	29	8	70	153	153	20
Visayas	2024	7	29	9	88	153	153	20
Visayas	2024	7	29	10	94	153	153	20
Visayas	2024	7	29	11	101	153	153	20
Visayas	2024	7	29	12	98	153	153	20
Visayas	2024	7	29	13	100	153	153	20
Visayas	2024	7	29	14	103	153	153	20
Visayas	2024	7	29	15	102	153	153	20
Visayas	2024	7	29	16	99	153	153	20
Visayas	2024	7	29	17	92	153	153	20
Visayas	2024	7	29	18	90	153	153	20
Visayas	2024	7	29	19	94	153	153	20
Visayas	2024	7	29	20	91	153	153	20
Visayas	2024	7	29	21	87	153	153	20
Visayas	2024	7	29	22	80	153	153	20
Visayas	2024	7	29	23	74	153	153	20
Visayas	2024	7	29	24	70	153	153	20
Visayas	2024	7	30	1	67	153	153	20
Visayas	2024	7	30	2	64	153	153	20
Visayas	2024	7	30	3	61	153	153	20
Visayas	2024	7	30	4	59	153	153	20
Visayas	2024	7	30	5	60	153	153	20
Visayas	2024	7	30	6	63	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	7	30	7	64	153	153	20
Visayas	2024	7	30	8	75	153	153	20
Visayas	2024	7	30	9	91	153	153	20
Visayas	2024	7	30	10	99	153	153	20
Visayas	2024	7	30	11	103	153	153	20
Visayas	2024	7	30	12	102	153	153	20
Visayas	2024	7	30	13	102	153	153	20
Visayas	2024	7	30	14	107	153	153	20
Visayas	2024	7	30	15	107	153	153	20
Visayas	2024	7	30	16	100	153	153	20
Visayas	2024	7	30	17	97	153	153	20
Visayas	2024	7	30	18	93	153	153	20
Visayas	2024	7	30	19	100	153	153	20
Visayas	2024	7	30	20	96	153	153	20
Visayas	2024	7	30	21	92	153	153	20
Visayas	2024	7	30	22	87	153	153	20
Visayas	2024	7	30	23	80	153	153	20
Visayas	2024	7	30	24	76	153	153	20
Visayas	2024	7	31	1	72	153	153	20
Visayas	2024	7	31	2	69	153	153	20
Visayas	2024	7	31	3	66	153	153	20
Visayas	2024	7	31	4	64	153	153	20
Visayas	2024	7	31	5	64	153	153	20
Visayas	2024	7	31	6	66	153	153	20
Visayas	2024	7	31	7	67	153	153	20
Visayas	2024	7	31	8	79	153	153	20
Visayas	2024	7	31	9	94	153	153	20
Visayas	2024	7	31	10	103	153	153	20
Visayas	2024	7	31	11	107	153	153	20
Visayas	2024	7	31	12	103	153	153	20
Visayas	2024	7	31	13	105	153	153	20
Visayas	2024	7	31	14	109	153	153	20
Visayas	2024	7	31	15	108	153	153	20
Visayas	2024	7	31	16	105	153	153	20
Visayas	2024	7	31	17	96	153	153	20
Visayas	2024	7	31	18	96	153	153	20
Visayas	2024	7	31	19	103	153	153	20
Visayas	2024	7	31	20	97	153	153	20
Visayas	2024	7	31	21	94	153	153	20
Visayas	2024	7	31	22	90	153	153	20
Visayas	2024	7	31	23	81	153	153	20
Visayas	2024	7	31	24	73	153	153	20
Visayas	2024	8	1	1	70	153	153	20
Visayas	2024	8	1	2	65	153	153	20
Visayas	2024	8	1	3	63	153	153	20
Visayas	2024	8	1	4	62	153	153	20
Visayas	2024	8	1	5	62	153	153	20
Visayas	2024	8	1	6	63	153	153	20
Visayas	2024	8	1	7	65	153	153	20
Visayas	2024	8	1	8	75	153	153	20
Visayas	2024	8	1	9	90	153	153	20
Visayas	2024	8	1	10	98	153	153	20
Visayas	2024	8	1	11	103	153	153	20
Visayas	2024	8	1	12	97	153	153	20
Visayas	2024	8	1	13	96	153	153	20
Visayas	2024	8	1	14	104	153	153	20
Visayas	2024	8	1	15	102	153	153	20
Visayas	2024	8	1	16	103	153	153	20
Visayas	2024	8	1	17	94	153	153	20
Visayas	2024	8	1	18	95	153	153	20
Visayas	2024	8	1	19	96	153	153	20
Visayas	2024	8	1	20	88	153	153	20
Visayas	2024	8	1	21	83	153	153	20
Visayas	2024	8	1	22	77	153	153	20
Visayas	2024	8	1	23	72	153	153	20
Visayas	2024	8	1	24	68	153	153	20
Visayas	2024	8	2	1	64	153	153	20
Visayas	2024	8	2	2	62	153	153	20
Visayas	2024	8	2	3	59	153	153	20
Visayas	2024	8	2	4	58	153	153	20
Visayas	2024	8	2	5	59	153	153	20
Visayas	2024	8	2	6	61	153	153	20
Visayas	2024	8	2	7	63	153	153	20
Visayas	2024	8	2	8	73	153	153	20
Visayas	2024	8	2	9	86	153	153	20
Visayas	2024	8	2	10	94	153	153	20
Visayas	2024	8	2	11	99	153	153	20
Visayas	2024	8	2	12	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	2	13	94	153	153	20
Visayas	2024	8	2	14	97	153	153	20
Visayas	2024	8	2	15	97	153	153	20
Visayas	2024	8	2	16	91	153	153	20
Visayas	2024	8	2	17	86	153	153	20
Visayas	2024	8	2	18	86	153	153	20
Visayas	2024	8	2	19	87	153	153	20
Visayas	2024	8	2	20	85	153	153	20
Visayas	2024	8	2	21	81	153	153	20
Visayas	2024	8	2	22	74	153	153	20
Visayas	2024	8	2	23	68	153	153	20
Visayas	2024	8	2	24	64	153	153	20
Visayas	2024	8	3	1	62	153	153	20
Visayas	2024	8	3	2	60	153	153	20
Visayas	2024	8	3	3	58	153	153	20
Visayas	2024	8	3	4	57	153	153	20
Visayas	2024	8	3	5	58	153	153	20
Visayas	2024	8	3	6	58	153	153	20
Visayas	2024	8	3	7	58	153	153	20
Visayas	2024	8	3	8	66	153	153	20
Visayas	2024	8	3	9	74	153	153	20
Visayas	2024	8	3	10	79	153	153	20
Visayas	2024	8	3	11	83	153	153	20
Visayas	2024	8	3	12	82	153	153	20
Visayas	2024	8	3	13	82	153	153	20
Visayas	2024	8	3	14	85	153	153	20
Visayas	2024	8	3	15	83	153	153	20
Visayas	2024	8	3	16	80	153	153	20
Visayas	2024	8	3	17	78	153	153	20
Visayas	2024	8	3	18	83	153	153	20
Visayas	2024	8	3	19	86	153	153	20
Visayas	2024	8	3	20	81	153	153	20
Visayas	2024	8	3	21	79	153	153	20
Visayas	2024	8	3	22	74	153	153	20
Visayas	2024	8	3	23	69	153	153	20
Visayas	2024	8	3	24	64	153	153	20
Visayas	2024	8	4	1	61	153	153	20
Visayas	2024	8	4	2	57	153	153	20
Visayas	2024	8	4	3	56	153	153	20
Visayas	2024	8	4	4	55	153	153	20
Visayas	2024	8	4	5	55	153	153	20
Visayas	2024	8	4	6	56	153	153	20
Visayas	2024	8	4	7	55	153	153	20
Visayas	2024	8	4	8	58	153	153	20
Visayas	2024	8	4	9	62	153	153	20
Visayas	2024	8	4	10	67	153	153	20
Visayas	2024	8	4	11	67	153	153	20
Visayas	2024	8	4	12	68	153	153	20
Visayas	2024	8	4	13	67	153	153	20
Visayas	2024	8	4	14	67	153	153	20
Visayas	2024	8	4	15	67	153	153	20
Visayas	2024	8	4	16	67	153	153	20
Visayas	2024	8	4	17	66	153	153	20
Visayas	2024	8	4	18	75	153	153	20
Visayas	2024	8	4	19	81	153	153	20
Visayas	2024	8	4	20	76	153	153	20
Visayas	2024	8	4	21	74	153	153	20
Visayas	2024	8	4	22	68	153	153	20
Visayas	2024	8	4	23	64	153	153	20
Visayas	2024	8	4	24	60	153	153	20
Visayas	2024	8	5	1	57	153	153	20
Visayas	2024	8	5	2	56	153	153	20
Visayas	2024	8	5	3	54	153	153	20
Visayas	2024	8	5	4	53	153	153	20
Visayas	2024	8	5	5	55	153	153	20
Visayas	2024	8	5	6	57	153	153	20
Visayas	2024	8	5	7	59	153	153	20
Visayas	2024	8	5	8	72	153	153	20
Visayas	2024	8	5	9	87	153	153	20
Visayas	2024	8	5	10	95	153	153	20
Visayas	2024	8	5	11	102	153	153	20
Visayas	2024	8	5	12	97	153	153	20
Visayas	2024	8	5	13	98	153	153	20
Visayas	2024	8	5	14	101	153	153	20
Visayas	2024	8	5	15	101	153	153	20
Visayas	2024	8	5	16	97	153	153	20
Visayas	2024	8	5	17	92	153	153	20
Visayas	2024	8	5	18	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	5	19	90	153	153	20
Visayas	2024	8	5	20	85	153	153	20
Visayas	2024	8	5	21	81	153	153	20
Visayas	2024	8	5	22	75	153	153	20
Visayas	2024	8	5	23	70	153	153	20
Visayas	2024	8	5	24	64	153	153	20
Visayas	2024	8	6	1	61	153	153	20
Visayas	2024	8	6	2	59	153	153	20
Visayas	2024	8	6	3	58	153	153	20
Visayas	2024	8	6	4	56	153	153	20
Visayas	2024	8	6	5	57	153	153	20
Visayas	2024	8	6	6	60	153	153	20
Visayas	2024	8	6	7	62	153	153	20
Visayas	2024	8	6	8	73	153	153	20
Visayas	2024	8	6	9	88	153	153	20
Visayas	2024	8	6	10	96	153	153	20
Visayas	2024	8	6	11	102	153	153	20
Visayas	2024	8	6	12	97	153	153	20
Visayas	2024	8	6	13	98	153	153	20
Visayas	2024	8	6	14	104	153	153	20
Visayas	2024	8	6	15	100	153	153	20
Visayas	2024	8	6	16	98	153	153	20
Visayas	2024	8	6	17	87	153	153	20
Visayas	2024	8	6	18	88	153	153	20
Visayas	2024	8	6	19	89	153	153	20
Visayas	2024	8	6	20	84	153	153	20
Visayas	2024	8	6	21	80	153	153	20
Visayas	2024	8	6	22	74	153	153	20
Visayas	2024	8	6	23	68	153	153	20
Visayas	2024	8	6	24	63	153	153	20
Visayas	2024	8	7	1	61	153	153	20
Visayas	2024	8	7	2	58	153	153	20
Visayas	2024	8	7	3	56	153	153	20
Visayas	2024	8	7	4	55	153	153	20
Visayas	2024	8	7	5	57	153	153	20
Visayas	2024	8	7	6	60	153	153	20
Visayas	2024	8	7	7	61	153	153	20
Visayas	2024	8	7	8	71	153	153	20
Visayas	2024	8	7	9	85	153	153	20
Visayas	2024	8	7	10	94	153	153	20
Visayas	2024	8	7	11	98	153	153	20
Visayas	2024	8	7	12	98	153	153	20
Visayas	2024	8	7	13	99	153	153	20
Visayas	2024	8	7	14	105	153	153	20
Visayas	2024	8	7	15	99	153	153	20
Visayas	2024	8	7	16	97	153	153	20
Visayas	2024	8	7	17	91	153	153	20
Visayas	2024	8	7	18	92	153	153	20
Visayas	2024	8	7	19	93	153	153	20
Visayas	2024	8	7	20	89	153	153	20
Visayas	2024	8	7	21	86	153	153	20
Visayas	2024	8	7	22	79	153	153	20
Visayas	2024	8	7	23	73	153	153	20
Visayas	2024	8	7	24	69	153	153	20
Visayas	2024	8	8	1	66	153	153	20
Visayas	2024	8	8	2	62	153	153	20
Visayas	2024	8	8	3	60	153	153	20
Visayas	2024	8	8	4	59	153	153	20
Visayas	2024	8	8	5	60	153	153	20
Visayas	2024	8	8	6	63	153	153	20
Visayas	2024	8	8	7	64	153	153	20
Visayas	2024	8	8	8	76	153	153	20
Visayas	2024	8	8	9	91	153	153	20
Visayas	2024	8	8	10	98	153	153	20
Visayas	2024	8	8	11	104	153	153	20
Visayas	2024	8	8	12	100	153	153	20
Visayas	2024	8	8	13	100	153	153	20
Visayas	2024	8	8	14	107	153	153	20
Visayas	2024	8	8	15	107	153	153	20
Visayas	2024	8	8	16	103	153	153	20
Visayas	2024	8	8	17	95	153	153	20
Visayas	2024	8	8	18	96	153	153	20
Visayas	2024	8	8	19	99	153	153	20
Visayas	2024	8	8	20	95	153	153	20
Visayas	2024	8	8	21	91	153	153	20
Visayas	2024	8	8	22	84	153	153	20
Visayas	2024	8	8	23	78	153	153	20
Visayas	2024	8	8	24	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	9	1	69	153	153	20
Visayas	2024	8	9	2	67	153	153	20
Visayas	2024	8	9	3	64	153	153	20
Visayas	2024	8	9	4	63	153	153	20
Visayas	2024	8	9	5	64	153	153	20
Visayas	2024	8	9	6	66	153	153	20
Visayas	2024	8	9	7	67	153	153	20
Visayas	2024	8	9	8	78	153	153	20
Visayas	2024	8	9	9	92	153	153	20
Visayas	2024	8	9	10	100	153	153	20
Visayas	2024	8	9	11	104	153	153	20
Visayas	2024	8	9	12	102	153	153	20
Visayas	2024	8	9	13	101	153	153	20
Visayas	2024	8	9	14	107	153	153	20
Visayas	2024	8	9	15	105	153	153	20
Visayas	2024	8	9	16	101	153	153	20
Visayas	2024	8	9	17	94	153	153	20
Visayas	2024	8	9	18	92	153	153	20
Visayas	2024	8	9	19	97	153	153	20
Visayas	2024	8	9	20	92	153	153	20
Visayas	2024	8	9	21	90	153	153	20
Visayas	2024	8	9	22	84	153	153	20
Visayas	2024	8	9	23	78	153	153	20
Visayas	2024	8	9	24	73	153	153	20
Visayas	2024	8	10	1	70	153	153	20
Visayas	2024	8	10	2	68	153	153	20
Visayas	2024	8	10	3	65	153	153	20
Visayas	2024	8	10	4	64	153	153	20
Visayas	2024	8	10	5	62	153	153	20
Visayas	2024	8	10	6	64	153	153	20
Visayas	2024	8	10	7	61	153	153	20
Visayas	2024	8	10	8	67	153	153	20
Visayas	2024	8	10	9	77	153	153	20
Visayas	2024	8	10	10	84	153	153	20
Visayas	2024	8	10	11	87	153	153	20
Visayas	2024	8	10	12	85	153	153	20
Visayas	2024	8	10	13	83	153	153	20
Visayas	2024	8	10	14	82	153	153	20
Visayas	2024	8	10	15	81	153	153	20
Visayas	2024	8	10	16	79	153	153	20
Visayas	2024	8	10	17	77	153	153	20
Visayas	2024	8	10	18	84	153	153	20
Visayas	2024	8	10	19	91	153	153	20
Visayas	2024	8	10	20	85	153	153	20
Visayas	2024	8	10	21	81	153	153	20
Visayas	2024	8	10	22	76	153	153	20
Visayas	2024	8	10	23	72	153	153	20
Visayas	2024	8	10	24	67	153	153	20
Visayas	2024	8	11	1	63	153	153	20
Visayas	2024	8	11	2	60	153	153	20
Visayas	2024	8	11	3	59	153	153	20
Visayas	2024	8	11	4	57	153	153	20
Visayas	2024	8	11	5	58	153	153	20
Visayas	2024	8	11	6	58	153	153	20
Visayas	2024	8	11	7	59	153	153	20
Visayas	2024	8	11	8	61	153	153	20
Visayas	2024	8	11	9	65	153	153	20
Visayas	2024	8	11	10	71	153	153	20
Visayas	2024	8	11	11	72	153	153	20
Visayas	2024	8	11	12	71	153	153	20
Visayas	2024	8	11	13	71	153	153	20
Visayas	2024	8	11	14	71	153	153	20
Visayas	2024	8	11	15	71	153	153	20
Visayas	2024	8	11	16	71	153	153	20
Visayas	2024	8	11	17	71	153	153	20
Visayas	2024	8	11	18	78	153	153	20
Visayas	2024	8	11	19	82	153	153	20
Visayas	2024	8	11	20	79	153	153	20
Visayas	2024	8	11	21	76	153	153	20
Visayas	2024	8	11	22	71	153	153	20
Visayas	2024	8	11	23	66	153	153	20
Visayas	2024	8	11	24	62	153	153	20
Visayas	2024	8	12	1	60	153	153	20
Visayas	2024	8	12	2	57	153	153	20
Visayas	2024	8	12	3	56	153	153	20
Visayas	2024	8	12	4	55	153	153	20
Visayas	2024	8	12	5	56	153	153	20
Visayas	2024	8	12	6	60	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	12	7	62	153	153	20
Visayas	2024	8	12	8	73	153	153	20
Visayas	2024	8	12	9	88	153	153	20
Visayas	2024	8	12	10	93	153	153	20
Visayas	2024	8	12	11	99	153	153	20
Visayas	2024	8	12	12	97	153	153	20
Visayas	2024	8	12	13	100	153	153	20
Visayas	2024	8	12	14	101	153	153	20
Visayas	2024	8	12	15	101	153	153	20
Visayas	2024	8	12	16	102	153	153	20
Visayas	2024	8	12	17	95	153	153	20
Visayas	2024	8	12	18	91	153	153	20
Visayas	2024	8	12	19	96	153	153	20
Visayas	2024	8	12	20	92	153	153	20
Visayas	2024	8	12	21	88	153	153	20
Visayas	2024	8	12	22	81	153	153	20
Visayas	2024	8	12	23	76	153	153	20
Visayas	2024	8	12	24	71	153	153	20
Visayas	2024	8	13	1	67	153	153	20
Visayas	2024	8	13	2	64	153	153	20
Visayas	2024	8	13	3	61	153	153	20
Visayas	2024	8	13	4	60	153	153	20
Visayas	2024	8	13	5	62	153	153	20
Visayas	2024	8	13	6	65	153	153	20
Visayas	2024	8	13	7	66	153	153	20
Visayas	2024	8	13	8	77	153	153	20
Visayas	2024	8	13	9	92	153	153	20
Visayas	2024	8	13	10	99	153	153	20
Visayas	2024	8	13	11	103	153	153	20
Visayas	2024	8	13	12	102	153	153	20
Visayas	2024	8	13	13	104	153	153	20
Visayas	2024	8	13	14	107	153	153	20
Visayas	2024	8	13	15	109	153	153	20
Visayas	2024	8	13	16	105	153	153	20
Visayas	2024	8	13	17	97	153	153	20
Visayas	2024	8	13	18	95	153	153	20
Visayas	2024	8	13	19	100	153	153	20
Visayas	2024	8	13	20	96	153	153	20
Visayas	2024	8	13	21	93	153	153	20
Visayas	2024	8	13	22	86	153	153	20
Visayas	2024	8	13	23	80	153	153	20
Visayas	2024	8	13	24	75	153	153	20
Visayas	2024	8	14	1	71	153	153	20
Visayas	2024	8	14	2	69	153	153	20
Visayas	2024	8	14	3	65	153	153	20
Visayas	2024	8	14	4	64	153	153	20
Visayas	2024	8	14	5	64	153	153	20
Visayas	2024	8	14	6	66	153	153	20
Visayas	2024	8	14	7	67	153	153	20
Visayas	2024	8	14	8	78	153	153	20
Visayas	2024	8	14	9	93	153	153	20
Visayas	2024	8	14	10	99	153	153	20
Visayas	2024	8	14	11	106	153	153	20
Visayas	2024	8	14	12	102	153	153	20
Visayas	2024	8	14	13	104	153	153	20
Visayas	2024	8	14	14	105	153	153	20
Visayas	2024	8	14	15	103	153	153	20
Visayas	2024	8	14	16	97	153	153	20
Visayas	2024	8	14	17	95	153	153	20
Visayas	2024	8	14	18	93	153	153	20
Visayas	2024	8	14	19	93	153	153	20
Visayas	2024	8	14	20	88	153	153	20
Visayas	2024	8	14	21	85	153	153	20
Visayas	2024	8	14	22	79	153	153	20
Visayas	2024	8	14	23	76	153	153	20
Visayas	2024	8	14	24	70	153	153	20
Visayas	2024	8	15	1	66	153	153	20
Visayas	2024	8	15	2	63	153	153	20
Visayas	2024	8	15	3	60	153	153	20
Visayas	2024	8	15	4	60	153	153	20
Visayas	2024	8	15	5	61	153	153	20
Visayas	2024	8	15	6	63	153	153	20
Visayas	2024	8	15	7	63	153	153	20
Visayas	2024	8	15	8	75	153	153	20
Visayas	2024	8	15	9	90	153	153	20
Visayas	2024	8	15	10	98	153	153	20
Visayas	2024	8	15	11	101	153	153	20
Visayas	2024	8	15	12	98	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	15	13	98	153	153	20
Visayas	2024	8	15	14	105	153	153	20
Visayas	2024	8	15	15	103	153	153	20
Visayas	2024	8	15	16	102	153	153	20
Visayas	2024	8	15	17	94	153	153	20
Visayas	2024	8	15	18	95	153	153	20
Visayas	2024	8	15	19	97	153	153	20
Visayas	2024	8	15	20	93	153	153	20
Visayas	2024	8	15	21	89	153	153	20
Visayas	2024	8	15	22	83	153	153	20
Visayas	2024	8	15	23	77	153	153	20
Visayas	2024	8	15	24	73	153	153	20
Visayas	2024	8	16	1	69	153	153	20
Visayas	2024	8	16	2	66	153	153	20
Visayas	2024	8	16	3	64	153	153	20
Visayas	2024	8	16	4	62	153	153	20
Visayas	2024	8	16	5	62	153	153	20
Visayas	2024	8	16	6	65	153	153	20
Visayas	2024	8	16	7	66	153	153	20
Visayas	2024	8	16	8	76	153	153	20
Visayas	2024	8	16	9	88	153	153	20
Visayas	2024	8	16	10	95	153	153	20
Visayas	2024	8	16	11	98	153	153	20
Visayas	2024	8	16	12	96	153	153	20
Visayas	2024	8	16	13	90	153	153	20
Visayas	2024	8	16	14	97	153	153	20
Visayas	2024	8	16	15	97	153	153	20
Visayas	2024	8	16	16	95	153	153	20
Visayas	2024	8	16	17	91	153	153	20
Visayas	2024	8	16	18	91	153	153	20
Visayas	2024	8	16	19	94	153	153	20
Visayas	2024	8	16	20	89	153	153	20
Visayas	2024	8	16	21	85	153	153	20
Visayas	2024	8	16	22	79	153	153	20
Visayas	2024	8	16	23	74	153	153	20
Visayas	2024	8	16	24	69	153	153	20
Visayas	2024	8	17	1	66	153	153	20
Visayas	2024	8	17	2	64	153	153	20
Visayas	2024	8	17	3	61	153	153	20
Visayas	2024	8	17	4	60	153	153	20
Visayas	2024	8	17	5	57	153	153	20
Visayas	2024	8	17	6	58	153	153	20
Visayas	2024	8	17	7	60	153	153	20
Visayas	2024	8	17	8	65	153	153	20
Visayas	2024	8	17	9	71	153	153	20
Visayas	2024	8	17	10	75	153	153	20
Visayas	2024	8	17	11	79	153	153	20
Visayas	2024	8	17	12	79	153	153	20
Visayas	2024	8	17	13	80	153	153	20
Visayas	2024	8	17	14	83	153	153	20
Visayas	2024	8	17	15	83	153	153	20
Visayas	2024	8	17	16	81	153	153	20
Visayas	2024	8	17	17	79	153	153	20
Visayas	2024	8	17	18	80	153	153	20
Visayas	2024	8	17	19	82	153	153	20
Visayas	2024	8	17	20	80	153	153	20
Visayas	2024	8	17	21	77	153	153	20
Visayas	2024	8	17	22	78	153	153	20
Visayas	2024	8	17	23	73	153	153	20
Visayas	2024	8	17	24	68	153	153	20
Visayas	2024	8	18	1	63	153	153	20
Visayas	2024	8	18	2	60	153	153	20
Visayas	2024	8	18	3	59	153	153	20
Visayas	2024	8	18	4	57	153	153	20
Visayas	2024	8	18	5	58	153	153	20
Visayas	2024	8	18	6	58	153	153	20
Visayas	2024	8	18	7	59	153	153	20
Visayas	2024	8	18	8	61	153	153	20
Visayas	2024	8	18	9	65	153	153	20
Visayas	2024	8	18	10	71	153	153	20
Visayas	2024	8	18	11	72	153	153	20
Visayas	2024	8	18	12	71	153	153	20
Visayas	2024	8	18	13	71	153	153	20
Visayas	2024	8	18	14	71	153	153	20
Visayas	2024	8	18	15	71	153	153	20
Visayas	2024	8	18	16	71	153	153	20
Visayas	2024	8	18	17	71	153	153	20
Visayas	2024	8	18	18	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	18	19	82	153	153	20
Visayas	2024	8	18	20	79	153	153	20
Visayas	2024	8	18	21	76	153	153	20
Visayas	2024	8	18	22	71	153	153	20
Visayas	2024	8	18	23	66	153	153	20
Visayas	2024	8	18	24	62	153	153	20
Visayas	2024	8	19	1	65	153	153	20
Visayas	2024	8	19	2	62	153	153	20
Visayas	2024	8	19	3	60	153	153	20
Visayas	2024	8	19	4	59	153	153	20
Visayas	2024	8	19	5	63	153	153	20
Visayas	2024	8	19	6	68	153	153	20
Visayas	2024	8	19	7	62	153	153	20
Visayas	2024	8	19	8	72	153	153	20
Visayas	2024	8	19	9	85	153	153	20
Visayas	2024	8	19	10	92	153	153	20
Visayas	2024	8	19	11	96	153	153	20
Visayas	2024	8	19	12	88	153	153	20
Visayas	2024	8	19	13	88	153	153	20
Visayas	2024	8	19	14	93	153	153	20
Visayas	2024	8	19	15	93	153	153	20
Visayas	2024	8	19	16	92	153	153	20
Visayas	2024	8	19	17	87	153	153	20
Visayas	2024	8	19	18	89	153	153	20
Visayas	2024	8	19	19	92	153	153	20
Visayas	2024	8	19	20	86	153	153	20
Visayas	2024	8	19	21	82	153	153	20
Visayas	2024	8	19	22	76	153	153	20
Visayas	2024	8	19	23	71	153	153	20
Visayas	2024	8	19	24	66	153	153	20
Visayas	2024	8	20	1	63	153	153	20
Visayas	2024	8	20	2	62	153	153	20
Visayas	2024	8	20	3	60	153	153	20
Visayas	2024	8	20	4	59	153	153	20
Visayas	2024	8	20	5	63	153	153	20
Visayas	2024	8	20	6	68	153	153	20
Visayas	2024	8	20	7	63	153	153	20
Visayas	2024	8	20	8	75	153	153	20
Visayas	2024	8	20	9	89	153	153	20
Visayas	2024	8	20	10	98	153	153	20
Visayas	2024	8	20	11	100	153	153	20
Visayas	2024	8	20	12	95	153	153	20
Visayas	2024	8	20	13	97	153	153	20
Visayas	2024	8	20	14	103	153	153	20
Visayas	2024	8	20	15	102	153	153	20
Visayas	2024	8	20	16	99	153	153	20
Visayas	2024	8	20	17	93	153	153	20
Visayas	2024	8	20	18	95	153	153	20
Visayas	2024	8	20	19	96	153	153	20
Visayas	2024	8	20	20	92	153	153	20
Visayas	2024	8	20	21	89	153	153	20
Visayas	2024	8	20	22	82	153	153	20
Visayas	2024	8	20	23	77	153	153	20
Visayas	2024	8	20	24	72	153	153	20
Visayas	2024	8	21	1	64	153	153	20
Visayas	2024	8	21	2	62	153	153	20
Visayas	2024	8	21	3	60	153	153	20
Visayas	2024	8	21	4	58	153	153	20
Visayas	2024	8	21	5	58	153	153	20
Visayas	2024	8	21	6	57	153	153	20
Visayas	2024	8	21	7	56	153	153	20
Visayas	2024	8	21	8	58	153	153	20
Visayas	2024	8	21	9	64	153	153	20
Visayas	2024	8	21	10	70	153	153	20
Visayas	2024	8	21	11	74	153	153	20
Visayas	2024	8	21	12	75	153	153	20
Visayas	2024	8	21	13	74	153	153	20
Visayas	2024	8	21	14	76	153	153	20
Visayas	2024	8	21	15	73	153	153	20
Visayas	2024	8	21	16	73	153	153	20
Visayas	2024	8	21	17	73	153	153	20
Visayas	2024	8	21	18	79	153	153	20
Visayas	2024	8	21	19	87	153	153	20
Visayas	2024	8	21	20	87	153	153	20
Visayas	2024	8	21	21	84	153	153	20
Visayas	2024	8	21	22	80	153	153	20
Visayas	2024	8	21	23	74	153	153	20
Visayas	2024	8	21	24	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	22	1	69	153	153	20
Visayas	2024	8	22	2	66	153	153	20
Visayas	2024	8	22	3	63	153	153	20
Visayas	2024	8	22	4	62	153	153	20
Visayas	2024	8	22	5	64	153	153	20
Visayas	2024	8	22	6	68	153	153	20
Visayas	2024	8	22	7	65	153	153	20
Visayas	2024	8	22	8	75	153	153	20
Visayas	2024	8	22	9	88	153	153	20
Visayas	2024	8	22	10	97	153	153	20
Visayas	2024	8	22	11	100	153	153	20
Visayas	2024	8	22	12	98	153	153	20
Visayas	2024	8	22	13	98	153	153	20
Visayas	2024	8	22	14	106	153	153	20
Visayas	2024	8	22	15	105	153	153	20
Visayas	2024	8	22	16	101	153	153	20
Visayas	2024	8	22	17	94	153	153	20
Visayas	2024	8	22	18	96	153	153	20
Visayas	2024	8	22	19	101	153	153	20
Visayas	2024	8	22	20	96	153	153	20
Visayas	2024	8	22	21	91	153	153	20
Visayas	2024	8	22	22	85	153	153	20
Visayas	2024	8	22	23	81	153	153	20
Visayas	2024	8	22	24	78	153	153	20
Visayas	2024	8	23	1	74	153	153	20
Visayas	2024	8	23	2	68	153	153	20
Visayas	2024	8	23	3	65	153	153	20
Visayas	2024	8	23	4	64	153	153	20
Visayas	2024	8	23	5	64	153	153	20
Visayas	2024	8	23	6	70	153	153	20
Visayas	2024	8	23	7	67	153	153	20
Visayas	2024	8	23	8	76	153	153	20
Visayas	2024	8	23	9	93	153	153	20
Visayas	2024	8	23	10	103	153	153	20
Visayas	2024	8	23	11	104	153	153	20
Visayas	2024	8	23	12	101	153	153	20
Visayas	2024	8	23	13	99	153	153	20
Visayas	2024	8	23	14	106	153	153	20
Visayas	2024	8	23	15	104	153	153	20
Visayas	2024	8	23	16	102	153	153	20
Visayas	2024	8	23	17	95	153	153	20
Visayas	2024	8	23	18	95	153	153	20
Visayas	2024	8	23	19	98	153	153	20
Visayas	2024	8	23	20	93	153	153	20
Visayas	2024	8	23	21	89	153	153	20
Visayas	2024	8	23	22	83	153	153	20
Visayas	2024	8	23	23	77	153	153	20
Visayas	2024	8	23	24	73	153	153	20
Visayas	2024	8	24	1	70	153	153	20
Visayas	2024	8	24	2	66	153	153	20
Visayas	2024	8	24	3	64	153	153	20
Visayas	2024	8	24	4	62	153	153	20
Visayas	2024	8	24	5	62	153	153	20
Visayas	2024	8	24	6	63	153	153	20
Visayas	2024	8	24	7	65	153	153	20
Visayas	2024	8	24	8	71	153	153	20
Visayas	2024	8	24	9	81	153	153	20
Visayas	2024	8	24	10	87	153	153	20
Visayas	2024	8	24	11	92	153	153	20
Visayas	2024	8	24	12	90	153	153	20
Visayas	2024	8	24	13	91	153	153	20
Visayas	2024	8	24	14	96	153	153	20
Visayas	2024	8	24	15	95	153	153	20
Visayas	2024	8	24	16	92	153	153	20
Visayas	2024	8	24	17	89	153	153	20
Visayas	2024	8	24	18	91	153	153	20
Visayas	2024	8	24	19	95	153	153	20
Visayas	2024	8	24	20	90	153	153	20
Visayas	2024	8	24	21	88	153	153	20
Visayas	2024	8	24	22	83	153	153	20
Visayas	2024	8	24	23	78	153	153	20
Visayas	2024	8	24	24	74	153	153	20
Visayas	2024	8	25	1	71	153	153	20
Visayas	2024	8	25	2	67	153	153	20
Visayas	2024	8	25	3	65	153	153	20
Visayas	2024	8	25	4	63	153	153	20
Visayas	2024	8	25	5	62	153	153	20
Visayas	2024	8	25	6	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	25	7	62	153	153	20
Visayas	2024	8	25	8	66	153	153	20
Visayas	2024	8	25	9	72	153	153	20
Visayas	2024	8	25	10	76	153	153	20
Visayas	2024	8	25	11	81	153	153	20
Visayas	2024	8	25	12	81	153	153	20
Visayas	2024	8	25	13	82	153	153	20
Visayas	2024	8	25	14	84	153	153	20
Visayas	2024	8	25	15	85	153	153	20
Visayas	2024	8	25	16	82	153	153	20
Visayas	2024	8	25	17	81	153	153	20
Visayas	2024	8	25	18	88	153	153	20
Visayas	2024	8	25	19	95	153	153	20
Visayas	2024	8	25	20	90	153	153	20
Visayas	2024	8	25	21	88	153	153	20
Visayas	2024	8	25	22	84	153	153	20
Visayas	2024	8	25	23	79	153	153	20
Visayas	2024	8	25	24	74	153	153	20
Visayas	2024	8	26	1	72	153	153	20
Visayas	2024	8	26	2	69	153	153	20
Visayas	2024	8	26	3	66	153	153	20
Visayas	2024	8	26	4	65	153	153	20
Visayas	2024	8	26	5	68	153	153	20
Visayas	2024	8	26	6	72	153	153	20
Visayas	2024	8	26	7	67	153	153	20
Visayas	2024	8	26	8	81	153	153	20
Visayas	2024	8	26	9	98	153	153	20
Visayas	2024	8	26	10	104	153	153	20
Visayas	2024	8	26	11	107	153	153	20
Visayas	2024	8	26	12	106	153	153	20
Visayas	2024	8	26	13	108	153	153	20
Visayas	2024	8	26	14	110	153	153	20
Visayas	2024	8	26	15	110	153	153	20
Visayas	2024	8	26	16	107	153	153	20
Visayas	2024	8	26	17	102	153	153	20
Visayas	2024	8	26	18	102	153	153	20
Visayas	2024	8	26	19	104	153	153	20
Visayas	2024	8	26	20	100	153	153	20
Visayas	2024	8	26	21	97	153	153	20
Visayas	2024	8	26	22	90	153	153	20
Visayas	2024	8	26	23	83	153	153	20
Visayas	2024	8	26	24	77	153	153	20
Visayas	2024	8	27	1	67	153	153	20
Visayas	2024	8	27	2	64	153	153	20
Visayas	2024	8	27	3	61	153	153	20
Visayas	2024	8	27	4	60	153	153	20
Visayas	2024	8	27	5	62	153	153	20
Visayas	2024	8	27	6	67	153	153	20
Visayas	2024	8	27	7	62	153	153	20
Visayas	2024	8	27	8	75	153	153	20
Visayas	2024	8	27	9	92	153	153	20
Visayas	2024	8	27	10	101	153	153	20
Visayas	2024	8	27	11	103	153	153	20
Visayas	2024	8	27	12	100	153	153	20
Visayas	2024	8	27	13	104	153	153	20
Visayas	2024	8	27	14	108	153	153	20
Visayas	2024	8	27	15	107	153	153	20
Visayas	2024	8	27	16	104	153	153	20
Visayas	2024	8	27	17	96	153	153	20
Visayas	2024	8	27	18	99	153	153	20
Visayas	2024	8	27	19	101	153	153	20
Visayas	2024	8	27	20	97	153	153	20
Visayas	2024	8	27	21	93	153	153	20
Visayas	2024	8	27	22	87	153	153	20
Visayas	2024	8	27	23	82	153	153	20
Visayas	2024	8	27	24	76	153	153	20
Visayas	2024	8	28	1	69	153	153	20
Visayas	2024	8	28	2	66	153	153	20
Visayas	2024	8	28	3	63	153	153	20
Visayas	2024	8	28	4	61	153	153	20
Visayas	2024	8	28	5	64	153	153	20
Visayas	2024	8	28	6	70	153	153	20
Visayas	2024	8	28	7	63	153	153	20
Visayas	2024	8	28	8	77	153	153	20
Visayas	2024	8	28	9	91	153	153	20
Visayas	2024	8	28	10	99	153	153	20
Visayas	2024	8	28	11	103	153	153	20
Visayas	2024	8	28	12	100	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	28	13	102	153	153	20
Visayas	2024	8	28	14	108	153	153	20
Visayas	2024	8	28	15	105	153	153	20
Visayas	2024	8	28	16	99	153	153	20
Visayas	2024	8	28	17	93	153	153	20
Visayas	2024	8	28	18	94	153	153	20
Visayas	2024	8	28	19	98	153	153	20
Visayas	2024	8	28	20	94	153	153	20
Visayas	2024	8	28	21	90	153	153	20
Visayas	2024	8	28	22	85	153	153	20
Visayas	2024	8	28	23	78	153	153	20
Visayas	2024	8	28	24	72	153	153	20
Visayas	2024	8	29	1	74	153	153	20
Visayas	2024	8	29	2	71	153	153	20
Visayas	2024	8	29	3	68	153	153	20
Visayas	2024	8	29	4	68	153	153	20
Visayas	2024	8	29	5	70	153	153	20
Visayas	2024	8	29	6	74	153	153	20
Visayas	2024	8	29	7	69	153	153	20
Visayas	2024	8	29	8	82	153	153	20
Visayas	2024	8	29	9	97	153	153	20
Visayas	2024	8	29	10	106	153	153	20
Visayas	2024	8	29	11	109	153	153	20
Visayas	2024	8	29	12	107	153	153	20
Visayas	2024	8	29	13	107	153	153	20
Visayas	2024	8	29	14	112	153	153	20
Visayas	2024	8	29	15	112	153	153	20
Visayas	2024	8	29	16	106	153	153	20
Visayas	2024	8	29	17	101	153	153	20
Visayas	2024	8	29	18	102	153	153	20
Visayas	2024	8	29	19	103	153	153	20
Visayas	2024	8	29	20	100	153	153	20
Visayas	2024	8	29	21	96	153	153	20
Visayas	2024	8	29	22	89	153	153	20
Visayas	2024	8	29	23	84	153	153	20
Visayas	2024	8	29	24	79	153	153	20
Visayas	2024	8	30	1	75	153	153	20
Visayas	2024	8	30	2	71	153	153	20
Visayas	2024	8	30	3	69	153	153	20
Visayas	2024	8	30	4	67	153	153	20
Visayas	2024	8	30	5	69	153	153	20
Visayas	2024	8	30	6	72	153	153	20
Visayas	2024	8	30	7	69	153	153	20
Visayas	2024	8	30	8	82	153	153	20
Visayas	2024	8	30	9	98	153	153	20
Visayas	2024	8	30	10	103	153	153	20
Visayas	2024	8	30	11	108	153	153	20
Visayas	2024	8	30	12	105	153	153	20
Visayas	2024	8	30	13	105	153	153	20
Visayas	2024	8	30	14	110	153	153	20
Visayas	2024	8	30	15	111	153	153	20
Visayas	2024	8	30	16	109	153	153	20
Visayas	2024	8	30	17	102	153	153	20
Visayas	2024	8	30	18	103	153	153	20
Visayas	2024	8	30	19	105	153	153	20
Visayas	2024	8	30	20	101	153	153	20
Visayas	2024	8	30	21	98	153	153	20
Visayas	2024	8	30	22	91	153	153	20
Visayas	2024	8	30	23	85	153	153	20
Visayas	2024	8	30	24	80	153	153	20
Visayas	2024	8	31	1	76	153	153	20
Visayas	2024	8	31	2	72	153	153	20
Visayas	2024	8	31	3	70	153	153	20
Visayas	2024	8	31	4	68	153	153	20
Visayas	2024	8	31	5	67	153	153	20
Visayas	2024	8	31	6	69	153	153	20
Visayas	2024	8	31	7	68	153	153	20
Visayas	2024	8	31	8	74	153	153	20
Visayas	2024	8	31	9	84	153	153	20
Visayas	2024	8	31	10	89	153	153	20
Visayas	2024	8	31	11	93	153	153	20
Visayas	2024	8	31	12	92	153	153	20
Visayas	2024	8	31	13	96	153	153	20
Visayas	2024	8	31	14	99	153	153	20
Visayas	2024	8	31	15	99	153	153	20
Visayas	2024	8	31	16	95	153	153	20
Visayas	2024	8	31	17	93	153	153	20
Visayas	2024	8	31	18	98	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	8	31	19	102	153	153	20
Visayas	2024	8	31	20	99	153	153	20
Visayas	2024	8	31	21	95	153	153	20
Visayas	2024	8	31	22	90	153	153	20
Visayas	2024	8	31	23	83	153	153	20
Visayas	2024	8	31	24	78	153	153	20
Visayas	2024	9	1	1	75	153	153	20
Visayas	2024	9	1	2	72	153	153	20
Visayas	2024	9	1	3	68	153	153	20
Visayas	2024	9	1	4	66	153	153	20
Visayas	2024	9	1	5	65	153	153	20
Visayas	2024	9	1	6	64	153	153	20
Visayas	2024	9	1	7	62	153	153	20
Visayas	2024	9	1	8	66	153	153	20
Visayas	2024	9	1	9	72	153	153	20
Visayas	2024	9	1	10	79	153	153	20
Visayas	2024	9	1	11	82	153	153	20
Visayas	2024	9	1	12	84	153	153	20
Visayas	2024	9	1	13	85	153	153	20
Visayas	2024	9	1	14	83	153	153	20
Visayas	2024	9	1	15	87	153	153	20
Visayas	2024	9	1	16	85	153	153	20
Visayas	2024	9	1	17	83	153	153	20
Visayas	2024	9	1	18	92	153	153	20
Visayas	2024	9	1	19	98	153	153	20
Visayas	2024	9	1	20	95	153	153	20
Visayas	2024	9	1	21	92	153	153	20
Visayas	2024	9	1	22	87	153	153	20
Visayas	2024	9	1	23	79	153	153	20
Visayas	2024	9	1	24	75	153	153	20
Visayas	2024	9	2	1	70	153	153	20
Visayas	2024	9	2	2	67	153	153	20
Visayas	2024	9	2	3	64	153	153	20
Visayas	2024	9	2	4	62	153	153	20
Visayas	2024	9	2	5	66	153	153	20
Visayas	2024	9	2	6	71	153	153	20
Visayas	2024	9	2	7	65	153	153	20
Visayas	2024	9	2	8	77	153	153	20
Visayas	2024	9	2	9	93	153	153	20
Visayas	2024	9	2	10	102	153	153	20
Visayas	2024	9	2	11	105	153	153	20
Visayas	2024	9	2	12	103	153	153	20
Visayas	2024	9	2	13	104	153	153	20
Visayas	2024	9	2	14	109	153	153	20
Visayas	2024	9	2	15	110	153	153	20
Visayas	2024	9	2	16	103	153	153	20
Visayas	2024	9	2	17	99	153	153	20
Visayas	2024	9	2	18	100	153	153	20
Visayas	2024	9	2	19	98	153	153	20
Visayas	2024	9	2	20	95	153	153	20
Visayas	2024	9	2	21	90	153	153	20
Visayas	2024	9	2	22	83	153	153	20
Visayas	2024	9	2	23	78	153	153	20
Visayas	2024	9	2	24	73	153	153	20
Visayas	2024	9	3	1	70	153	153	20
Visayas	2024	9	3	2	66	153	153	20
Visayas	2024	9	3	3	64	153	153	20
Visayas	2024	9	3	4	63	153	153	20
Visayas	2024	9	3	5	65	153	153	20
Visayas	2024	9	3	6	70	153	153	20
Visayas	2024	9	3	7	65	153	153	20
Visayas	2024	9	3	8	76	153	153	20
Visayas	2024	9	3	9	92	153	153	20
Visayas	2024	9	3	10	102	153	153	20
Visayas	2024	9	3	11	101	153	153	20
Visayas	2024	9	3	12	100	153	153	20
Visayas	2024	9	3	13	103	153	153	20
Visayas	2024	9	3	14	108	153	153	20
Visayas	2024	9	3	15	106	153	153	20
Visayas	2024	9	3	16	104	153	153	20
Visayas	2024	9	3	17	98	153	153	20
Visayas	2024	9	3	18	99	153	153	20
Visayas	2024	9	3	19	98	153	153	20
Visayas	2024	9	3	20	95	153	153	20
Visayas	2024	9	3	21	90	153	153	20
Visayas	2024	9	3	22	82	153	153	20
Visayas	2024	9	3	23	75	153	153	20
Visayas	2024	9	3	24	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	4	1	68	153	153	20
Visayas	2024	9	4	2	65	153	153	20
Visayas	2024	9	4	3	62	153	153	20
Visayas	2024	9	4	4	61	153	153	20
Visayas	2024	9	4	5	64	153	153	20
Visayas	2024	9	4	6	70	153	153	20
Visayas	2024	9	4	7	65	153	153	20
Visayas	2024	9	4	8	78	153	153	20
Visayas	2024	9	4	9	93	153	153	20
Visayas	2024	9	4	10	101	153	153	20
Visayas	2024	9	4	11	107	153	153	20
Visayas	2024	9	4	12	102	153	153	20
Visayas	2024	9	4	13	104	153	153	20
Visayas	2024	9	4	14	110	153	153	20
Visayas	2024	9	4	15	109	153	153	20
Visayas	2024	9	4	16	107	153	153	20
Visayas	2024	9	4	17	98	153	153	20
Visayas	2024	9	4	18	100	153	153	20
Visayas	2024	9	4	19	103	153	153	20
Visayas	2024	9	4	20	99	153	153	20
Visayas	2024	9	4	21	95	153	153	20
Visayas	2024	9	4	22	90	153	153	20
Visayas	2024	9	4	23	83	153	153	20
Visayas	2024	9	4	24	79	153	153	20
Visayas	2024	9	5	1	74	153	153	20
Visayas	2024	9	5	2	71	153	153	20
Visayas	2024	9	5	3	68	153	153	20
Visayas	2024	9	5	4	67	153	153	20
Visayas	2024	9	5	5	69	153	153	20
Visayas	2024	9	5	6	72	153	153	20
Visayas	2024	9	5	7	69	153	153	20
Visayas	2024	9	5	8	84	153	153	20
Visayas	2024	9	5	9	98	153	153	20
Visayas	2024	9	5	10	106	153	153	20
Visayas	2024	9	5	11	110	153	153	20
Visayas	2024	9	5	12	106	153	153	20
Visayas	2024	9	5	13	107	153	153	20
Visayas	2024	9	5	14	110	153	153	20
Visayas	2024	9	5	15	109	153	153	20
Visayas	2024	9	5	16	104	153	153	20
Visayas	2024	9	5	17	95	153	153	20
Visayas	2024	9	5	18	102	153	153	20
Visayas	2024	9	5	19	100	153	153	20
Visayas	2024	9	5	20	96	153	153	20
Visayas	2024	9	5	21	92	153	153	20
Visayas	2024	9	5	22	85	153	153	20
Visayas	2024	9	5	23	81	153	153	20
Visayas	2024	9	5	24	76	153	153	20
Visayas	2024	9	6	1	72	153	153	20
Visayas	2024	9	6	2	69	153	153	20
Visayas	2024	9	6	3	66	153	153	20
Visayas	2024	9	6	4	65	153	153	20
Visayas	2024	9	6	5	66	153	153	20
Visayas	2024	9	6	6	69	153	153	20
Visayas	2024	9	6	7	67	153	153	20
Visayas	2024	9	6	8	76	153	153	20
Visayas	2024	9	6	9	89	153	153	20
Visayas	2024	9	6	10	96	153	153	20
Visayas	2024	9	6	11	100	153	153	20
Visayas	2024	9	6	12	99	153	153	20
Visayas	2024	9	6	13	98	153	153	20
Visayas	2024	9	6	14	96	153	153	20
Visayas	2024	9	6	15	94	153	153	20
Visayas	2024	9	6	16	93	153	153	20
Visayas	2024	9	6	17	89	153	153	20
Visayas	2024	9	6	18	94	153	153	20
Visayas	2024	9	6	19	93	153	153	20
Visayas	2024	9	6	20	90	153	153	20
Visayas	2024	9	6	21	86	153	153	20
Visayas	2024	9	6	22	80	153	153	20
Visayas	2024	9	6	23	75	153	153	20
Visayas	2024	9	6	24	71	153	153	20
Visayas	2024	9	7	1	67	153	153	20
Visayas	2024	9	7	2	65	153	153	20
Visayas	2024	9	7	3	62	153	153	20
Visayas	2024	9	7	4	61	153	153	20
Visayas	2024	9	7	5	61	153	153	20
Visayas	2024	9	7	6	61	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	7	7	62	153	153	20
Visayas	2024	9	7	8	69	153	153	20
Visayas	2024	9	7	9	79	153	153	20
Visayas	2024	9	7	10	86	153	153	20
Visayas	2024	9	7	11	92	153	153	20
Visayas	2024	9	7	12	87	153	153	20
Visayas	2024	9	7	13	88	153	153	20
Visayas	2024	9	7	14	95	153	153	20
Visayas	2024	9	7	15	93	153	153	20
Visayas	2024	9	7	16	90	153	153	20
Visayas	2024	9	7	17	87	153	153	20
Visayas	2024	9	7	18	93	153	153	20
Visayas	2024	9	7	19	94	153	153	20
Visayas	2024	9	7	20	89	153	153	20
Visayas	2024	9	7	21	87	153	153	20
Visayas	2024	9	7	22	82	153	153	20
Visayas	2024	9	7	23	76	153	153	20
Visayas	2024	9	7	24	72	153	153	20
Visayas	2024	9	8	1	68	153	153	20
Visayas	2024	9	8	2	66	153	153	20
Visayas	2024	9	8	3	62	153	153	20
Visayas	2024	9	8	4	60	153	153	20
Visayas	2024	9	8	5	60	153	153	20
Visayas	2024	9	8	6	60	153	153	20
Visayas	2024	9	8	7	60	153	153	20
Visayas	2024	9	8	8	64	153	153	20
Visayas	2024	9	8	9	71	153	153	20
Visayas	2024	9	8	10	77	153	153	20
Visayas	2024	9	8	11	81	153	153	20
Visayas	2024	9	8	12	81	153	153	20
Visayas	2024	9	8	13	83	153	153	20
Visayas	2024	9	8	14	84	153	153	20
Visayas	2024	9	8	15	84	153	153	20
Visayas	2024	9	8	16	81	153	153	20
Visayas	2024	9	8	17	80	153	153	20
Visayas	2024	9	8	18	90	153	153	20
Visayas	2024	9	8	19	96	153	153	20
Visayas	2024	9	8	20	92	153	153	20
Visayas	2024	9	8	21	90	153	153	20
Visayas	2024	9	8	22	85	153	153	20
Visayas	2024	9	8	23	79	153	153	20
Visayas	2024	9	8	24	75	153	153	20
Visayas	2024	9	9	1	71	153	153	20
Visayas	2024	9	9	2	67	153	153	20
Visayas	2024	9	9	3	65	153	153	20
Visayas	2024	9	9	4	62	153	153	20
Visayas	2024	9	9	5	67	153	153	20
Visayas	2024	9	9	6	69	153	153	20
Visayas	2024	9	9	7	67	153	153	20
Visayas	2024	9	9	8	81	153	153	20
Visayas	2024	9	9	9	98	153	153	20
Visayas	2024	9	9	10	106	153	153	20
Visayas	2024	9	9	11	109	153	153	20
Visayas	2024	9	9	12	108	153	153	20
Visayas	2024	9	9	13	110	153	153	20
Visayas	2024	9	9	14	114	153	153	20
Visayas	2024	9	9	15	113	153	153	20
Visayas	2024	9	9	16	111	153	153	20
Visayas	2024	9	9	17	105	153	153	20
Visayas	2024	9	9	18	106	153	153	20
Visayas	2024	9	9	19	107	153	153	20
Visayas	2024	9	9	20	103	153	153	20
Visayas	2024	9	9	21	101	153	153	20
Visayas	2024	9	9	22	94	153	153	20
Visayas	2024	9	9	23	87	153	153	20
Visayas	2024	9	9	24	81	153	153	20
Visayas	2024	9	10	1	77	153	153	20
Visayas	2024	9	10	2	73	153	153	20
Visayas	2024	9	10	3	71	153	153	20
Visayas	2024	9	10	4	69	153	153	20
Visayas	2024	9	10	5	71	153	153	20
Visayas	2024	9	10	6	75	153	153	20
Visayas	2024	9	10	7	70	153	153	20
Visayas	2024	9	10	8	84	153	153	20
Visayas	2024	9	10	9	100	153	153	20
Visayas	2024	9	10	10	108	153	153	20
Visayas	2024	9	10	11	112	153	153	20
Visayas	2024	9	10	12	108	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	10	13	110	153	153	20
Visayas	2024	9	10	14	116	153	153	20
Visayas	2024	9	10	15	113	153	153	20
Visayas	2024	9	10	16	111	153	153	20
Visayas	2024	9	10	17	103	153	153	20
Visayas	2024	9	10	18	106	153	153	20
Visayas	2024	9	10	19	105	153	153	20
Visayas	2024	9	10	20	101	153	153	20
Visayas	2024	9	10	21	98	153	153	20
Visayas	2024	9	10	22	92	153	153	20
Visayas	2024	9	10	23	85	153	153	20
Visayas	2024	9	10	24	79	153	153	20
Visayas	2024	9	11	1	76	153	153	20
Visayas	2024	9	11	2	73	153	153	20
Visayas	2024	9	11	3	70	153	153	20
Visayas	2024	9	11	4	69	153	153	20
Visayas	2024	9	11	5	71	153	153	20
Visayas	2024	9	11	6	74	153	153	20
Visayas	2024	9	11	7	70	153	153	20
Visayas	2024	9	11	8	85	153	153	20
Visayas	2024	9	11	9	100	153	153	20
Visayas	2024	9	11	10	110	153	153	20
Visayas	2024	9	11	11	111	153	153	20
Visayas	2024	9	11	12	109	153	153	20
Visayas	2024	9	11	13	110	153	153	20
Visayas	2024	9	11	14	116	153	153	20
Visayas	2024	9	11	15	115	153	153	20
Visayas	2024	9	11	16	111	153	153	20
Visayas	2024	9	11	17	103	153	153	20
Visayas	2024	9	11	18	105	153	153	20
Visayas	2024	9	11	19	103	153	153	20
Visayas	2024	9	11	20	99	153	153	20
Visayas	2024	9	11	21	96	153	153	20
Visayas	2024	9	11	22	91	153	153	20
Visayas	2024	9	11	23	84	153	153	20
Visayas	2024	9	11	24	80	153	153	20
Visayas	2024	9	12	1	75	153	153	20
Visayas	2024	9	12	2	72	153	153	20
Visayas	2024	9	12	3	69	153	153	20
Visayas	2024	9	12	4	68	153	153	20
Visayas	2024	9	12	5	70	153	153	20
Visayas	2024	9	12	6	73	153	153	20
Visayas	2024	9	12	7	71	153	153	20
Visayas	2024	9	12	8	82	153	153	20
Visayas	2024	9	12	9	97	153	153	20
Visayas	2024	9	12	10	107	153	153	20
Visayas	2024	9	12	11	108	153	153	20
Visayas	2024	9	12	12	103	153	153	20
Visayas	2024	9	12	13	104	153	153	20
Visayas	2024	9	12	14	110	153	153	20
Visayas	2024	9	12	15	107	153	153	20
Visayas	2024	9	12	16	106	153	153	20
Visayas	2024	9	12	17	98	153	153	20
Visayas	2024	9	12	18	99	153	153	20
Visayas	2024	9	12	19	100	153	153	20
Visayas	2024	9	12	20	94	153	153	20
Visayas	2024	9	12	21	89	153	153	20
Visayas	2024	9	12	22	83	153	153	20
Visayas	2024	9	12	23	79	153	153	20
Visayas	2024	9	12	24	73	153	153	20
Visayas	2024	9	13	1	70	153	153	20
Visayas	2024	9	13	2	65	153	153	20
Visayas	2024	9	13	3	63	153	153	20
Visayas	2024	9	13	4	62	153	153	20
Visayas	2024	9	13	5	64	153	153	20
Visayas	2024	9	13	6	66	153	153	20
Visayas	2024	9	13	7	67	153	153	20
Visayas	2024	9	13	8	77	153	153	20
Visayas	2024	9	13	9	87	153	153	20
Visayas	2024	9	13	10	95	153	153	20
Visayas	2024	9	13	11	101	153	153	20
Visayas	2024	9	13	12	96	153	153	20
Visayas	2024	9	13	13	95	153	153	20
Visayas	2024	9	13	14	103	153	153	20
Visayas	2024	9	13	15	99	153	153	20
Visayas	2024	9	13	16	98	153	153	20
Visayas	2024	9	13	17	92	153	153	20
Visayas	2024	9	13	18	97	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	13	19	91	153	153	20
Visayas	2024	9	13	20	90	153	153	20
Visayas	2024	9	13	21	86	153	153	20
Visayas	2024	9	13	22	80	153	153	20
Visayas	2024	9	13	23	76	153	153	20
Visayas	2024	9	13	24	72	153	153	20
Visayas	2024	9	14	1	69	153	153	20
Visayas	2024	9	14	2	66	153	153	20
Visayas	2024	9	14	3	63	153	153	20
Visayas	2024	9	14	4	59	153	153	20
Visayas	2024	9	14	5	59	153	153	20
Visayas	2024	9	14	6	61	153	153	20
Visayas	2024	9	14	7	60	153	153	20
Visayas	2024	9	14	8	70	153	153	20
Visayas	2024	9	14	9	84	153	153	20
Visayas	2024	9	14	10	88	153	153	20
Visayas	2024	9	14	11	94	153	153	20
Visayas	2024	9	14	12	92	153	153	20
Visayas	2024	9	14	13	93	153	153	20
Visayas	2024	9	14	14	97	153	153	20
Visayas	2024	9	14	15	95	153	153	20
Visayas	2024	9	14	16	93	153	153	20
Visayas	2024	9	14	17	88	153	153	20
Visayas	2024	9	14	18	96	153	153	20
Visayas	2024	9	14	19	98	153	153	20
Visayas	2024	9	14	20	95	153	153	20
Visayas	2024	9	14	21	92	153	153	20
Visayas	2024	9	14	22	85	153	153	20
Visayas	2024	9	14	23	81	153	153	20
Visayas	2024	9	14	24	77	153	153	20
Visayas	2024	9	15	1	73	153	153	20
Visayas	2024	9	15	2	69	153	153	20
Visayas	2024	9	15	3	67	153	153	20
Visayas	2024	9	15	4	64	153	153	20
Visayas	2024	9	15	5	64	153	153	20
Visayas	2024	9	15	6	64	153	153	20
Visayas	2024	9	15	7	60	153	153	20
Visayas	2024	9	15	8	64	153	153	20
Visayas	2024	9	15	9	70	153	153	20
Visayas	2024	9	15	10	75	153	153	20
Visayas	2024	9	15	11	78	153	153	20
Visayas	2024	9	15	12	78	153	153	20
Visayas	2024	9	15	13	80	153	153	20
Visayas	2024	9	15	14	81	153	153	20
Visayas	2024	9	15	15	81	153	153	20
Visayas	2024	9	15	16	81	153	153	20
Visayas	2024	9	15	17	79	153	153	20
Visayas	2024	9	15	18	92	153	153	20
Visayas	2024	9	15	19	93	153	153	20
Visayas	2024	9	15	20	91	153	153	20
Visayas	2024	9	15	21	89	153	153	20
Visayas	2024	9	15	22	85	153	153	20
Visayas	2024	9	15	23	79	153	153	20
Visayas	2024	9	15	24	75	153	153	20
Visayas	2024	9	16	1	70	153	153	20
Visayas	2024	9	16	2	67	153	153	20
Visayas	2024	9	16	3	64	153	153	20
Visayas	2024	9	16	4	63	153	153	20
Visayas	2024	9	16	5	67	153	153	20
Visayas	2024	9	16	6	71	153	153	20
Visayas	2024	9	16	7	66	153	153	20
Visayas	2024	9	16	8	80	153	153	20
Visayas	2024	9	16	9	96	153	153	20
Visayas	2024	9	16	10	105	153	153	20
Visayas	2024	9	16	11	110	153	153	20
Visayas	2024	9	16	12	106	153	153	20
Visayas	2024	9	16	13	110	153	153	20
Visayas	2024	9	16	14	113	153	153	20
Visayas	2024	9	16	15	112	153	153	20
Visayas	2024	9	16	16	106	153	153	20
Visayas	2024	9	16	17	101	153	153	20
Visayas	2024	9	16	18	106	153	153	20
Visayas	2024	9	16	19	104	153	153	20
Visayas	2024	9	16	20	100	153	153	20
Visayas	2024	9	16	21	95	153	153	20
Visayas	2024	9	16	22	91	153	153	20
Visayas	2024	9	16	23	83	153	153	20
Visayas	2024	9	16	24	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	17	1	75	153	153	20
Visayas	2024	9	17	2	71	153	153	20
Visayas	2024	9	17	3	69	153	153	20
Visayas	2024	9	17	4	67	153	153	20
Visayas	2024	9	17	5	71	153	153	20
Visayas	2024	9	17	6	73	153	153	20
Visayas	2024	9	17	7	69	153	153	20
Visayas	2024	9	17	8	82	153	153	20
Visayas	2024	9	17	9	98	153	153	20
Visayas	2024	9	17	10	106	153	153	20
Visayas	2024	9	17	11	110	153	153	20
Visayas	2024	9	17	12	108	153	153	20
Visayas	2024	9	17	13	110	153	153	20
Visayas	2024	9	17	14	115	153	153	20
Visayas	2024	9	17	15	113	153	153	20
Visayas	2024	9	17	16	111	153	153	20
Visayas	2024	9	17	17	103	153	153	20
Visayas	2024	9	17	18	107	153	153	20
Visayas	2024	9	17	19	104	153	153	20
Visayas	2024	9	17	20	100	153	153	20
Visayas	2024	9	17	21	98	153	153	20
Visayas	2024	9	17	22	89	153	153	20
Visayas	2024	9	17	23	83	153	153	20
Visayas	2024	9	17	24	78	153	153	20
Visayas	2024	9	18	1	74	153	153	20
Visayas	2024	9	18	2	70	153	153	20
Visayas	2024	9	18	3	68	153	153	20
Visayas	2024	9	18	4	67	153	153	20
Visayas	2024	9	18	5	69	153	153	20
Visayas	2024	9	18	6	72	153	153	20
Visayas	2024	9	18	7	67	153	153	20
Visayas	2024	9	18	8	81	153	153	20
Visayas	2024	9	18	9	96	153	153	20
Visayas	2024	9	18	10	104	153	153	20
Visayas	2024	9	18	11	109	153	153	20
Visayas	2024	9	18	12	105	153	153	20
Visayas	2024	9	18	13	107	153	153	20
Visayas	2024	9	18	14	111	153	153	20
Visayas	2024	9	18	15	110	153	153	20
Visayas	2024	9	18	16	109	153	153	20
Visayas	2024	9	18	17	102	153	153	20
Visayas	2024	9	18	18	106	153	153	20
Visayas	2024	9	18	19	101	153	153	20
Visayas	2024	9	18	20	97	153	153	20
Visayas	2024	9	18	21	94	153	153	20
Visayas	2024	9	18	22	86	153	153	20
Visayas	2024	9	18	23	80	153	153	20
Visayas	2024	9	18	24	75	153	153	20
Visayas	2024	9	19	1	71	153	153	20
Visayas	2024	9	19	2	68	153	153	20
Visayas	2024	9	19	3	65	153	153	20
Visayas	2024	9	19	4	64	153	153	20
Visayas	2024	9	19	5	67	153	153	20
Visayas	2024	9	19	6	69	153	153	20
Visayas	2024	9	19	7	67	153	153	20
Visayas	2024	9	19	8	80	153	153	20
Visayas	2024	9	19	9	96	153	153	20
Visayas	2024	9	19	10	103	153	153	20
Visayas	2024	9	19	11	108	153	153	20
Visayas	2024	9	19	12	105	153	153	20
Visayas	2024	9	19	13	107	153	153	20
Visayas	2024	9	19	14	112	153	153	20
Visayas	2024	9	19	15	111	153	153	20
Visayas	2024	9	19	16	107	153	153	20
Visayas	2024	9	19	17	101	153	153	20
Visayas	2024	9	19	18	104	153	153	20
Visayas	2024	9	19	19	103	153	153	20
Visayas	2024	9	19	20	99	153	153	20
Visayas	2024	9	19	21	95	153	153	20
Visayas	2024	9	19	22	88	153	153	20
Visayas	2024	9	19	23	82	153	153	20
Visayas	2024	9	19	24	77	153	153	20
Visayas	2024	9	20	1	74	153	153	20
Visayas	2024	9	20	2	70	153	153	20
Visayas	2024	9	20	3	66	153	153	20
Visayas	2024	9	20	4	65	153	153	20
Visayas	2024	9	20	5	67	153	153	20
Visayas	2024	9	20	6	70	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	20	7	68	153	153	20
Visayas	2024	9	20	8	80	153	153	20
Visayas	2024	9	20	9	96	153	153	20
Visayas	2024	9	20	10	104	153	153	20
Visayas	2024	9	20	11	108	153	153	20
Visayas	2024	9	20	12	106	153	153	20
Visayas	2024	9	20	13	105	153	153	20
Visayas	2024	9	20	14	109	153	153	20
Visayas	2024	9	20	15	107	153	153	20
Visayas	2024	9	20	16	101	153	153	20
Visayas	2024	9	20	17	97	153	153	20
Visayas	2024	9	20	18	99	153	153	20
Visayas	2024	9	20	19	96	153	153	20
Visayas	2024	9	20	20	93	153	153	20
Visayas	2024	9	20	21	87	153	153	20
Visayas	2024	9	20	22	81	153	153	20
Visayas	2024	9	20	23	74	153	153	20
Visayas	2024	9	20	24	69	153	153	20
Visayas	2024	9	21	1	68	153	153	20
Visayas	2024	9	21	2	66	153	153	20
Visayas	2024	9	21	3	64	153	153	20
Visayas	2024	9	21	4	62	153	153	20
Visayas	2024	9	21	5	62	153	153	20
Visayas	2024	9	21	6	64	153	153	20
Visayas	2024	9	21	7	64	153	153	20
Visayas	2024	9	21	8	72	153	153	20
Visayas	2024	9	21	9	82	153	153	20
Visayas	2024	9	21	10	89	153	153	20
Visayas	2024	9	21	11	94	153	153	20
Visayas	2024	9	21	12	91	153	153	20
Visayas	2024	9	21	13	90	153	153	20
Visayas	2024	9	21	14	93	153	153	20
Visayas	2024	9	21	15	89	153	153	20
Visayas	2024	9	21	16	86	153	153	20
Visayas	2024	9	21	17	85	153	153	20
Visayas	2024	9	21	18	93	153	153	20
Visayas	2024	9	21	19	89	153	153	20
Visayas	2024	9	21	20	85	153	153	20
Visayas	2024	9	21	21	81	153	153	20
Visayas	2024	9	21	22	76	153	153	20
Visayas	2024	9	21	23	71	153	153	20
Visayas	2024	9	21	24	68	153	153	20
Visayas	2024	9	22	1	63	153	153	20
Visayas	2024	9	22	2	60	153	153	20
Visayas	2024	9	22	3	59	153	153	20
Visayas	2024	9	22	4	58	153	153	20
Visayas	2024	9	22	5	58	153	153	20
Visayas	2024	9	22	6	58	153	153	20
Visayas	2024	9	22	7	56	153	153	20
Visayas	2024	9	22	8	58	153	153	20
Visayas	2024	9	22	9	63	153	153	20
Visayas	2024	9	22	10	70	153	153	20
Visayas	2024	9	22	11	73	153	153	20
Visayas	2024	9	22	12	73	153	153	20
Visayas	2024	9	22	13	72	153	153	20
Visayas	2024	9	22	14	71	153	153	20
Visayas	2024	9	22	15	71	153	153	20
Visayas	2024	9	22	16	70	153	153	20
Visayas	2024	9	22	17	72	153	153	20
Visayas	2024	9	22	18	84	153	153	20
Visayas	2024	9	22	19	82	153	153	20
Visayas	2024	9	22	20	79	153	153	20
Visayas	2024	9	22	21	75	153	153	20
Visayas	2024	9	22	22	70	153	153	20
Visayas	2024	9	22	23	65	153	153	20
Visayas	2024	9	22	24	61	153	153	20
Visayas	2024	9	23	1	59	153	153	20
Visayas	2024	9	23	2	56	153	153	20
Visayas	2024	9	23	3	55	153	153	20
Visayas	2024	9	23	4	56	153	153	20
Visayas	2024	9	23	5	58	153	153	20
Visayas	2024	9	23	6	63	153	153	20
Visayas	2024	9	23	7	60	153	153	20
Visayas	2024	9	23	8	72	153	153	20
Visayas	2024	9	23	9	84	153	153	20
Visayas	2024	9	23	10	91	153	153	20
Visayas	2024	9	23	11	97	153	153	20
Visayas	2024	9	23	12	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	23	13	96	153	153	20
Visayas	2024	9	23	14	103	153	153	20
Visayas	2024	9	23	15	101	153	153	20
Visayas	2024	9	23	16	97	153	153	20
Visayas	2024	9	23	17	94	153	153	20
Visayas	2024	9	23	18	100	153	153	20
Visayas	2024	9	23	19	95	153	153	20
Visayas	2024	9	23	20	89	153	153	20
Visayas	2024	9	23	21	84	153	153	20
Visayas	2024	9	23	22	77	153	153	20
Visayas	2024	9	23	23	71	153	153	20
Visayas	2024	9	23	24	68	153	153	20
Visayas	2024	9	24	1	64	153	153	20
Visayas	2024	9	24	2	61	153	153	20
Visayas	2024	9	24	3	59	153	153	20
Visayas	2024	9	24	4	59	153	153	20
Visayas	2024	9	24	5	61	153	153	20
Visayas	2024	9	24	6	66	153	153	20
Visayas	2024	9	24	7	63	153	153	20
Visayas	2024	9	24	8	75	153	153	20
Visayas	2024	9	24	9	90	153	153	20
Visayas	2024	9	24	10	98	153	153	20
Visayas	2024	9	24	11	103	153	153	20
Visayas	2024	9	24	12	100	153	153	20
Visayas	2024	9	24	13	100	153	153	20
Visayas	2024	9	24	14	106	153	153	20
Visayas	2024	9	24	15	105	153	153	20
Visayas	2024	9	24	16	101	153	153	20
Visayas	2024	9	24	17	94	153	153	20
Visayas	2024	9	24	18	102	153	153	20
Visayas	2024	9	24	19	96	153	153	20
Visayas	2024	9	24	20	91	153	153	20
Visayas	2024	9	24	21	87	153	153	20
Visayas	2024	9	24	22	81	153	153	20
Visayas	2024	9	24	23	75	153	153	20
Visayas	2024	9	24	24	70	153	153	20
Visayas	2024	9	25	1	67	153	153	20
Visayas	2024	9	25	2	63	153	153	20
Visayas	2024	9	25	3	62	153	153	20
Visayas	2024	9	25	4	60	153	153	20
Visayas	2024	9	25	5	64	153	153	20
Visayas	2024	9	25	6	68	153	153	20
Visayas	2024	9	25	7	65	153	153	20
Visayas	2024	9	25	8	75	153	153	20
Visayas	2024	9	25	9	89	153	153	20
Visayas	2024	9	25	10	98	153	153	20
Visayas	2024	9	25	11	99	153	153	20
Visayas	2024	9	25	12	94	153	153	20
Visayas	2024	9	25	13	94	153	153	20
Visayas	2024	9	25	14	98	153	153	20
Visayas	2024	9	25	15	97	153	153	20
Visayas	2024	9	25	16	97	153	153	20
Visayas	2024	9	25	17	92	153	153	20
Visayas	2024	9	25	18	97	153	153	20
Visayas	2024	9	25	19	93	153	153	20
Visayas	2024	9	25	20	89	153	153	20
Visayas	2024	9	25	21	84	153	153	20
Visayas	2024	9	25	22	78	153	153	20
Visayas	2024	9	25	23	73	153	153	20
Visayas	2024	9	25	24	68	153	153	20
Visayas	2024	9	26	1	65	153	153	20
Visayas	2024	9	26	2	62	153	153	20
Visayas	2024	9	26	3	60	153	153	20
Visayas	2024	9	26	4	59	153	153	20
Visayas	2024	9	26	5	61	153	153	20
Visayas	2024	9	26	6	65	153	153	20
Visayas	2024	9	26	7	64	153	153	20
Visayas	2024	9	26	8	74	153	153	20
Visayas	2024	9	26	9	91	153	153	20
Visayas	2024	9	26	10	99	153	153	20
Visayas	2024	9	26	11	102	153	153	20
Visayas	2024	9	26	12	99	153	153	20
Visayas	2024	9	26	13	100	153	153	20
Visayas	2024	9	26	14	106	153	153	20
Visayas	2024	9	26	15	101	153	153	20
Visayas	2024	9	26	16	96	153	153	20
Visayas	2024	9	26	17	93	153	153	20
Visayas	2024	9	26	18	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	26	19	91	153	153	20
Visayas	2024	9	26	20	86	153	153	20
Visayas	2024	9	26	21	82	153	153	20
Visayas	2024	9	26	22	76	153	153	20
Visayas	2024	9	26	23	72	153	153	20
Visayas	2024	9	26	24	66	153	153	20
Visayas	2024	9	27	1	62	153	153	20
Visayas	2024	9	27	2	61	153	153	20
Visayas	2024	9	27	3	59	153	153	20
Visayas	2024	9	27	4	59	153	153	20
Visayas	2024	9	27	5	60	153	153	20
Visayas	2024	9	27	6	64	153	153	20
Visayas	2024	9	27	7	61	153	153	20
Visayas	2024	9	27	8	71	153	153	20
Visayas	2024	9	27	9	85	153	153	20
Visayas	2024	9	27	10	90	153	153	20
Visayas	2024	9	27	11	94	153	153	20
Visayas	2024	9	27	12	93	153	153	20
Visayas	2024	9	27	13	92	153	153	20
Visayas	2024	9	27	14	97	153	153	20
Visayas	2024	9	27	15	97	153	153	20
Visayas	2024	9	27	16	94	153	153	20
Visayas	2024	9	27	17	89	153	153	20
Visayas	2024	9	27	18	96	153	153	20
Visayas	2024	9	27	19	93	153	153	20
Visayas	2024	9	27	20	87	153	153	20
Visayas	2024	9	27	21	83	153	153	20
Visayas	2024	9	27	22	77	153	153	20
Visayas	2024	9	27	23	72	153	153	20
Visayas	2024	9	27	24	68	153	153	20
Visayas	2024	9	28	1	64	153	153	20
Visayas	2024	9	28	2	62	153	153	20
Visayas	2024	9	28	3	59	153	153	20
Visayas	2024	9	28	4	58	153	153	20
Visayas	2024	9	28	5	59	153	153	20
Visayas	2024	9	28	6	59	153	153	20
Visayas	2024	9	28	7	59	153	153	20
Visayas	2024	9	28	8	62	153	153	20
Visayas	2024	9	28	9	71	153	153	20
Visayas	2024	9	28	10	79	153	153	20
Visayas	2024	9	28	11	85	153	153	20
Visayas	2024	9	28	12	84	153	153	20
Visayas	2024	9	28	13	84	153	153	20
Visayas	2024	9	28	14	87	153	153	20
Visayas	2024	9	28	15	88	153	153	20
Visayas	2024	9	28	16	86	153	153	20
Visayas	2024	9	28	17	82	153	153	20
Visayas	2024	9	28	18	92	153	153	20
Visayas	2024	9	28	19	90	153	153	20
Visayas	2024	9	28	20	85	153	153	20
Visayas	2024	9	28	21	82	153	153	20
Visayas	2024	9	28	22	76	153	153	20
Visayas	2024	9	28	23	71	153	153	20
Visayas	2024	9	28	24	67	153	153	20
Visayas	2024	9	29	1	64	153	153	20
Visayas	2024	9	29	2	60	153	153	20
Visayas	2024	9	29	3	58	153	153	20
Visayas	2024	9	29	4	58	153	153	20
Visayas	2024	9	29	5	57	153	153	20
Visayas	2024	9	29	6	57	153	153	20
Visayas	2024	9	29	7	57	153	153	20
Visayas	2024	9	29	8	61	153	153	20
Visayas	2024	9	29	9	69	153	153	20
Visayas	2024	9	29	10	73	153	153	20
Visayas	2024	9	29	11	77	153	153	20
Visayas	2024	9	29	12	77	153	153	20
Visayas	2024	9	29	13	78	153	153	20
Visayas	2024	9	29	14	79	153	153	20
Visayas	2024	9	29	15	79	153	153	20
Visayas	2024	9	29	16	77	153	153	20
Visayas	2024	9	29	17	76	153	153	20
Visayas	2024	9	29	18	88	153	153	20
Visayas	2024	9	29	19	89	153	153	20
Visayas	2024	9	29	20	87	153	153	20
Visayas	2024	9	29	21	84	153	153	20
Visayas	2024	9	29	22	79	153	153	20
Visayas	2024	9	29	23	74	153	153	20
Visayas	2024	9	29	24	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	9	30	1	66	153	153	20
Visayas	2024	9	30	2	63	153	153	20
Visayas	2024	9	30	3	60	153	153	20
Visayas	2024	9	30	4	60	153	153	20
Visayas	2024	9	30	5	63	153	153	20
Visayas	2024	9	30	6	66	153	153	20
Visayas	2024	9	30	7	64	153	153	20
Visayas	2024	9	30	8	79	153	153	20
Visayas	2024	9	30	9	95	153	153	20
Visayas	2024	9	30	10	102	153	153	20
Visayas	2024	9	30	11	105	153	153	20
Visayas	2024	9	30	12	101	153	153	20
Visayas	2024	9	30	13	105	153	153	20
Visayas	2024	9	30	14	105	153	153	20
Visayas	2024	9	30	15	101	153	153	20
Visayas	2024	9	30	16	98	153	153	20
Visayas	2024	9	30	17	95	153	153	20
Visayas	2024	9	30	18	102	153	153	20
Visayas	2024	9	30	19	97	153	153	20
Visayas	2024	9	30	20	92	153	153	20
Visayas	2024	9	30	21	87	153	153	20
Visayas	2024	9	30	22	80	153	153	20
Visayas	2024	9	30	23	75	153	153	20
Visayas	2024	9	30	24	70	153	153	20
Visayas	2024	10	1	1	66	153	153	20
Visayas	2024	10	1	2	63	153	153	20
Visayas	2024	10	1	3	61	153	153	20
Visayas	2024	10	1	4	60	153	153	20
Visayas	2024	10	1	5	64	153	153	20
Visayas	2024	10	1	6	69	153	153	20
Visayas	2024	10	1	7	64	153	153	20
Visayas	2024	10	1	8	78	153	153	20
Visayas	2024	10	1	9	92	153	153	20
Visayas	2024	10	1	10	101	153	153	20
Visayas	2024	10	1	11	106	153	153	20
Visayas	2024	10	1	12	101	153	153	20
Visayas	2024	10	1	13	102	153	153	20
Visayas	2024	10	1	14	106	153	153	20
Visayas	2024	10	1	15	104	153	153	20
Visayas	2024	10	1	16	101	153	153	20
Visayas	2024	10	1	17	96	153	153	20
Visayas	2024	10	1	18	102	153	153	20
Visayas	2024	10	1	19	98	153	153	20
Visayas	2024	10	1	20	95	153	153	20
Visayas	2024	10	1	21	89	153	153	20
Visayas	2024	10	1	22	84	153	153	20
Visayas	2024	10	1	23	78	153	153	20
Visayas	2024	10	1	24	72	153	153	20
Visayas	2024	10	2	1	70	153	153	20
Visayas	2024	10	2	2	67	153	153	20
Visayas	2024	10	2	3	64	153	153	20
Visayas	2024	10	2	4	63	153	153	20
Visayas	2024	10	2	5	66	153	153	20
Visayas	2024	10	2	6	70	153	153	20
Visayas	2024	10	2	7	66	153	153	20
Visayas	2024	10	2	8	78	153	153	20
Visayas	2024	10	2	9	94	153	153	20
Visayas	2024	10	2	10	102	153	153	20
Visayas	2024	10	2	11	106	153	153	20
Visayas	2024	10	2	12	103	153	153	20
Visayas	2024	10	2	13	101	153	153	20
Visayas	2024	10	2	14	105	153	153	20
Visayas	2024	10	2	15	101	153	153	20
Visayas	2024	10	2	16	102	153	153	20
Visayas	2024	10	2	17	97	153	153	20
Visayas	2024	10	2	18	102	153	153	20
Visayas	2024	10	2	19	97	153	153	20
Visayas	2024	10	2	20	92	153	153	20
Visayas	2024	10	2	21	87	153	153	20
Visayas	2024	10	2	22	81	153	153	20
Visayas	2024	10	2	23	77	153	153	20
Visayas	2024	10	2	24	71	153	153	20
Visayas	2024	10	3	1	67	153	153	20
Visayas	2024	10	3	2	65	153	153	20
Visayas	2024	10	3	3	63	153	153	20
Visayas	2024	10	3	4	62	153	153	20
Visayas	2024	10	3	5	64	153	153	20
Visayas	2024	10	3	6	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	3	7	67	153	153	20
Visayas	2024	10	3	8	81	153	153	20
Visayas	2024	10	3	9	94	153	153	20
Visayas	2024	10	3	10	104	153	153	20
Visayas	2024	10	3	11	104	153	153	20
Visayas	2024	10	3	12	101	153	153	20
Visayas	2024	10	3	13	101	153	153	20
Visayas	2024	10	3	14	109	153	153	20
Visayas	2024	10	3	15	108	153	153	20
Visayas	2024	10	3	16	104	153	153	20
Visayas	2024	10	3	17	98	153	153	20
Visayas	2024	10	3	18	106	153	153	20
Visayas	2024	10	3	19	98	153	153	20
Visayas	2024	10	3	20	96	153	153	20
Visayas	2024	10	3	21	91	153	153	20
Visayas	2024	10	3	22	85	153	153	20
Visayas	2024	10	3	23	80	153	153	20
Visayas	2024	10	3	24	75	153	153	20
Visayas	2024	10	4	1	72	153	153	20
Visayas	2024	10	4	2	69	153	153	20
Visayas	2024	10	4	3	66	153	153	20
Visayas	2024	10	4	4	66	153	153	20
Visayas	2024	10	4	5	67	153	153	20
Visayas	2024	10	4	6	70	153	153	20
Visayas	2024	10	4	7	70	153	153	20
Visayas	2024	10	4	8	82	153	153	20
Visayas	2024	10	4	9	99	153	153	20
Visayas	2024	10	4	10	105	153	153	20
Visayas	2024	10	4	11	110	153	153	20
Visayas	2024	10	4	12	105	153	153	20
Visayas	2024	10	4	13	106	153	153	20
Visayas	2024	10	4	14	109	153	153	20
Visayas	2024	10	4	15	107	153	153	20
Visayas	2024	10	4	16	105	153	153	20
Visayas	2024	10	4	17	98	153	153	20
Visayas	2024	10	4	18	105	153	153	20
Visayas	2024	10	4	19	99	153	153	20
Visayas	2024	10	4	20	96	153	153	20
Visayas	2024	10	4	21	91	153	153	20
Visayas	2024	10	4	22	85	153	153	20
Visayas	2024	10	4	23	80	153	153	20
Visayas	2024	10	4	24	76	153	153	20
Visayas	2024	10	5	1	72	153	153	20
Visayas	2024	10	5	2	69	153	153	20
Visayas	2024	10	5	3	67	153	153	20
Visayas	2024	10	5	4	66	153	153	20
Visayas	2024	10	5	5	65	153	153	20
Visayas	2024	10	5	6	66	153	153	20
Visayas	2024	10	5	7	65	153	153	20
Visayas	2024	10	5	8	72	153	153	20
Visayas	2024	10	5	9	80	153	153	20
Visayas	2024	10	5	10	83	153	153	20
Visayas	2024	10	5	11	90	153	153	20
Visayas	2024	10	5	12	84	153	153	20
Visayas	2024	10	5	13	83	153	153	20
Visayas	2024	10	5	14	85	153	153	20
Visayas	2024	10	5	15	85	153	153	20
Visayas	2024	10	5	16	82	153	153	20
Visayas	2024	10	5	17	84	153	153	20
Visayas	2024	10	5	18	98	153	153	20
Visayas	2024	10	5	19	92	153	153	20
Visayas	2024	10	5	20	88	153	153	20
Visayas	2024	10	5	21	83	153	153	20
Visayas	2024	10	5	22	79	153	153	20
Visayas	2024	10	5	23	74	153	153	20
Visayas	2024	10	5	24	70	153	153	20
Visayas	2024	10	6	1	68	153	153	20
Visayas	2024	10	6	2	63	153	153	20
Visayas	2024	10	6	3	61	153	153	20
Visayas	2024	10	6	4	61	153	153	20
Visayas	2024	10	6	5	60	153	153	20
Visayas	2024	10	6	6	59	153	153	20
Visayas	2024	10	6	7	60	153	153	20
Visayas	2024	10	6	8	62	153	153	20
Visayas	2024	10	6	9	67	153	153	20
Visayas	2024	10	6	10	73	153	153	20
Visayas	2024	10	6	11	77	153	153	20
Visayas	2024	10	6	12	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	6	13	77	153	153	20
Visayas	2024	10	6	14	78	153	153	20
Visayas	2024	10	6	15	77	153	153	20
Visayas	2024	10	6	16	79	153	153	20
Visayas	2024	10	6	17	79	153	153	20
Visayas	2024	10	6	18	94	153	153	20
Visayas	2024	10	6	19	91	153	153	20
Visayas	2024	10	6	20	88	153	153	20
Visayas	2024	10	6	21	86	153	153	20
Visayas	2024	10	6	22	80	153	153	20
Visayas	2024	10	6	23	74	153	153	20
Visayas	2024	10	6	24	69	153	153	20
Visayas	2024	10	7	1	65	153	153	20
Visayas	2024	10	7	2	62	153	153	20
Visayas	2024	10	7	3	59	153	153	20
Visayas	2024	10	7	4	58	153	153	20
Visayas	2024	10	7	5	61	153	153	20
Visayas	2024	10	7	6	67	153	153	20
Visayas	2024	10	7	7	63	153	153	20
Visayas	2024	10	7	8	77	153	153	20
Visayas	2024	10	7	9	94	153	153	20
Visayas	2024	10	7	10	103	153	153	20
Visayas	2024	10	7	11	107	153	153	20
Visayas	2024	10	7	12	102	153	153	20
Visayas	2024	10	7	13	104	153	153	20
Visayas	2024	10	7	14	107	153	153	20
Visayas	2024	10	7	15	106	153	153	20
Visayas	2024	10	7	16	106	153	153	20
Visayas	2024	10	7	17	98	153	153	20
Visayas	2024	10	7	18	106	153	153	20
Visayas	2024	10	7	19	101	153	153	20
Visayas	2024	10	7	20	95	153	153	20
Visayas	2024	10	7	21	92	153	153	20
Visayas	2024	10	7	22	84	153	153	20
Visayas	2024	10	7	23	78	153	153	20
Visayas	2024	10	7	24	74	153	153	20
Visayas	2024	10	8	1	70	153	153	20
Visayas	2024	10	8	2	67	153	153	20
Visayas	2024	10	8	3	65	153	153	20
Visayas	2024	10	8	4	64	153	153	20
Visayas	2024	10	8	5	68	153	153	20
Visayas	2024	10	8	6	70	153	153	20
Visayas	2024	10	8	7	65	153	153	20
Visayas	2024	10	8	8	82	153	153	20
Visayas	2024	10	8	9	96	153	153	20
Visayas	2024	10	8	10	105	153	153	20
Visayas	2024	10	8	11	108	153	153	20
Visayas	2024	10	8	12	104	153	153	20
Visayas	2024	10	8	13	106	153	153	20
Visayas	2024	10	8	14	112	153	153	20
Visayas	2024	10	8	15	110	153	153	20
Visayas	2024	10	8	16	105	153	153	20
Visayas	2024	10	8	17	97	153	153	20
Visayas	2024	10	8	18	103	153	153	20
Visayas	2024	10	8	19	99	153	153	20
Visayas	2024	10	8	20	96	153	153	20
Visayas	2024	10	8	21	91	153	153	20
Visayas	2024	10	8	22	86	153	153	20
Visayas	2024	10	8	23	79	153	153	20
Visayas	2024	10	8	24	74	153	153	20
Visayas	2024	10	9	1	70	153	153	20
Visayas	2024	10	9	2	67	153	153	20
Visayas	2024	10	9	3	64	153	153	20
Visayas	2024	10	9	4	63	153	153	20
Visayas	2024	10	9	5	66	153	153	20
Visayas	2024	10	9	6	69	153	153	20
Visayas	2024	10	9	7	67	153	153	20
Visayas	2024	10	9	8	80	153	153	20
Visayas	2024	10	9	9	96	153	153	20
Visayas	2024	10	9	10	105	153	153	20
Visayas	2024	10	9	11	110	153	153	20
Visayas	2024	10	9	12	106	153	153	20
Visayas	2024	10	9	13	106	153	153	20
Visayas	2024	10	9	14	112	153	153	20
Visayas	2024	10	9	15	110	153	153	20
Visayas	2024	10	9	16	108	153	153	20
Visayas	2024	10	9	17	102	153	153	20
Visayas	2024	10	9	18	108	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	9	19	103	153	153	20
Visayas	2024	10	9	20	99	153	153	20
Visayas	2024	10	9	21	94	153	153	20
Visayas	2024	10	9	22	88	153	153	20
Visayas	2024	10	9	23	82	153	153	20
Visayas	2024	10	9	24	76	153	153	20
Visayas	2024	10	10	1	73	153	153	20
Visayas	2024	10	10	2	69	153	153	20
Visayas	2024	10	10	3	66	153	153	20
Visayas	2024	10	10	4	65	153	153	20
Visayas	2024	10	10	5	68	153	153	20
Visayas	2024	10	10	6	71	153	153	20
Visayas	2024	10	10	7	68	153	153	20
Visayas	2024	10	10	8	82	153	153	20
Visayas	2024	10	10	9	99	153	153	20
Visayas	2024	10	10	10	106	153	153	20
Visayas	2024	10	10	11	108	153	153	20
Visayas	2024	10	10	12	107	153	153	20
Visayas	2024	10	10	13	107	153	153	20
Visayas	2024	10	10	14	110	153	153	20
Visayas	2024	10	10	15	109	153	153	20
Visayas	2024	10	10	16	106	153	153	20
Visayas	2024	10	10	17	97	153	153	20
Visayas	2024	10	10	18	105	153	153	20
Visayas	2024	10	10	19	97	153	153	20
Visayas	2024	10	10	20	94	153	153	20
Visayas	2024	10	10	21	89	153	153	20
Visayas	2024	10	10	22	84	153	153	20
Visayas	2024	10	10	23	79	153	153	20
Visayas	2024	10	10	24	75	153	153	20
Visayas	2024	10	11	1	70	153	153	20
Visayas	2024	10	11	2	68	153	153	20
Visayas	2024	10	11	3	65	153	153	20
Visayas	2024	10	11	4	64	153	153	20
Visayas	2024	10	11	5	65	153	153	20
Visayas	2024	10	11	6	70	153	153	20
Visayas	2024	10	11	7	68	153	153	20
Visayas	2024	10	11	8	80	153	153	20
Visayas	2024	10	11	9	97	153	153	20
Visayas	2024	10	11	10	103	153	153	20
Visayas	2024	10	11	11	107	153	153	20
Visayas	2024	10	11	12	106	153	153	20
Visayas	2024	10	11	13	105	153	153	20
Visayas	2024	10	11	14	110	153	153	20
Visayas	2024	10	11	15	107	153	153	20
Visayas	2024	10	11	16	104	153	153	20
Visayas	2024	10	11	17	99	153	153	20
Visayas	2024	10	11	18	107	153	153	20
Visayas	2024	10	11	19	101	153	153	20
Visayas	2024	10	11	20	97	153	153	20
Visayas	2024	10	11	21	91	153	153	20
Visayas	2024	10	11	22	87	153	153	20
Visayas	2024	10	11	23	82	153	153	20
Visayas	2024	10	11	24	76	153	153	20
Visayas	2024	10	12	1	51	153	153	20
Visayas	2024	10	12	2	47	153	153	20
Visayas	2024	10	12	3	49	153	153	20
Visayas	2024	10	12	4	50	153	153	20
Visayas	2024	10	12	5	51	153	153	20
Visayas	2024	10	12	6	53	153	153	20
Visayas	2024	10	12	7	54	153	153	20
Visayas	2024	10	12	8	68	153	153	20
Visayas	2024	10	12	9	79	153	153	20
Visayas	2024	10	12	10	86	153	153	20
Visayas	2024	10	12	11	90	153	153	20
Visayas	2024	10	12	12	88	153	153	20
Visayas	2024	10	12	13	88	153	153	20
Visayas	2024	10	12	14	93	153	153	20
Visayas	2024	10	12	15	90	153	153	20
Visayas	2024	10	12	16	88	153	153	20
Visayas	2024	10	12	17	86	153	153	20
Visayas	2024	10	12	18	95	153	153	20
Visayas	2024	10	12	19	93	153	153	20
Visayas	2024	10	12	20	91	153	153	20
Visayas	2024	10	12	21	87	153	153	20
Visayas	2024	10	12	22	81	153	153	20
Visayas	2024	10	12	23	78	153	153	20
Visayas	2024	10	12	24	74	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	13	1	70	153	153	20
Visayas	2024	10	13	2	68	153	153	20
Visayas	2024	10	13	3	63	153	153	20
Visayas	2024	10	13	4	61	153	153	20
Visayas	2024	10	13	5	61	153	153	20
Visayas	2024	10	13	6	61	153	153	20
Visayas	2024	10	13	7	60	153	153	20
Visayas	2024	10	13	8	65	153	153	20
Visayas	2024	10	13	9	71	153	153	20
Visayas	2024	10	13	10	75	153	153	20
Visayas	2024	10	13	11	78	153	153	20
Visayas	2024	10	13	12	78	153	153	20
Visayas	2024	10	13	13	77	153	153	20
Visayas	2024	10	13	14	79	153	153	20
Visayas	2024	10	13	15	79	153	153	20
Visayas	2024	10	13	16	74	153	153	20
Visayas	2024	10	13	17	76	153	153	20
Visayas	2024	10	13	18	84	153	153	20
Visayas	2024	10	13	19	82	153	153	20
Visayas	2024	10	13	20	82	153	153	20
Visayas	2024	10	13	21	77	153	153	20
Visayas	2024	10	13	22	75	153	153	20
Visayas	2024	10	13	23	70	153	153	20
Visayas	2024	10	13	24	66	153	153	20
Visayas	2024	10	14	1	62	153	153	20
Visayas	2024	10	14	2	61	153	153	20
Visayas	2024	10	14	3	58	153	153	20
Visayas	2024	10	14	4	57	153	153	20
Visayas	2024	10	14	5	61	153	153	20
Visayas	2024	10	14	6	65	153	153	20
Visayas	2024	10	14	7	61	153	153	20
Visayas	2024	10	14	8	74	153	153	20
Visayas	2024	10	14	9	89	153	153	20
Visayas	2024	10	14	10	100	153	153	20
Visayas	2024	10	14	11	103	153	153	20
Visayas	2024	10	14	12	97	153	153	20
Visayas	2024	10	14	13	97	153	153	20
Visayas	2024	10	14	14	101	153	153	20
Visayas	2024	10	14	15	99	153	153	20
Visayas	2024	10	14	16	98	153	153	20
Visayas	2024	10	14	17	92	153	153	20
Visayas	2024	10	14	18	100	153	153	20
Visayas	2024	10	14	19	94	153	153	20
Visayas	2024	10	14	20	88	153	153	20
Visayas	2024	10	14	21	84	153	153	20
Visayas	2024	10	14	22	78	153	153	20
Visayas	2024	10	14	23	73	153	153	20
Visayas	2024	10	14	24	69	153	153	20
Visayas	2024	10	15	1	65	153	153	20
Visayas	2024	10	15	2	63	153	153	20
Visayas	2024	10	15	3	61	153	153	20
Visayas	2024	10	15	4	60	153	153	20
Visayas	2024	10	15	5	64	153	153	20
Visayas	2024	10	15	6	69	153	153	20
Visayas	2024	10	15	7	65	153	153	20
Visayas	2024	10	15	8	78	153	153	20
Visayas	2024	10	15	9	91	153	153	20
Visayas	2024	10	15	10	99	153	153	20
Visayas	2024	10	15	11	104	153	153	20
Visayas	2024	10	15	12	100	153	153	20
Visayas	2024	10	15	13	101	153	153	20
Visayas	2024	10	15	14	105	153	153	20
Visayas	2024	10	15	15	103	153	153	20
Visayas	2024	10	15	16	100	153	153	20
Visayas	2024	10	15	17	98	153	153	20
Visayas	2024	10	15	18	104	153	153	20
Visayas	2024	10	15	19	96	153	153	20
Visayas	2024	10	15	20	92	153	153	20
Visayas	2024	10	15	21	87	153	153	20
Visayas	2024	10	15	22	81	153	153	20
Visayas	2024	10	15	23	75	153	153	20
Visayas	2024	10	15	24	71	153	153	20
Visayas	2024	10	16	1	68	153	153	20
Visayas	2024	10	16	2	65	153	153	20
Visayas	2024	10	16	3	63	153	153	20
Visayas	2024	10	16	4	61	153	153	20
Visayas	2024	10	16	5	64	153	153	20
Visayas	2024	10	16	6	68	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	16	7	65	153	153	20
Visayas	2024	10	16	8	78	153	153	20
Visayas	2024	10	16	9	91	153	153	20
Visayas	2024	10	16	10	100	153	153	20
Visayas	2024	10	16	11	102	153	153	20
Visayas	2024	10	16	12	101	153	153	20
Visayas	2024	10	16	13	103	153	153	20
Visayas	2024	10	16	14	107	153	153	20
Visayas	2024	10	16	15	105	153	153	20
Visayas	2024	10	16	16	103	153	153	20
Visayas	2024	10	16	17	100	153	153	20
Visayas	2024	10	16	18	106	153	153	20
Visayas	2024	10	16	19	100	153	153	20
Visayas	2024	10	16	20	95	153	153	20
Visayas	2024	10	16	21	90	153	153	20
Visayas	2024	10	16	22	83	153	153	20
Visayas	2024	10	16	23	78	153	153	20
Visayas	2024	10	16	24	72	153	153	20
Visayas	2024	10	17	1	70	153	153	20
Visayas	2024	10	17	2	67	153	153	20
Visayas	2024	10	17	3	63	153	153	20
Visayas	2024	10	17	4	63	153	153	20
Visayas	2024	10	17	5	66	153	153	20
Visayas	2024	10	17	6	70	153	153	20
Visayas	2024	10	17	7	66	153	153	20
Visayas	2024	10	17	8	77	153	153	20
Visayas	2024	10	17	9	89	153	153	20
Visayas	2024	10	17	10	98	153	153	20
Visayas	2024	10	17	11	100	153	153	20
Visayas	2024	10	17	12	95	153	153	20
Visayas	2024	10	17	13	96	153	153	20
Visayas	2024	10	17	14	102	153	153	20
Visayas	2024	10	17	15	100	153	153	20
Visayas	2024	10	17	16	98	153	153	20
Visayas	2024	10	17	17	95	153	153	20
Visayas	2024	10	17	18	103	153	153	20
Visayas	2024	10	17	19	95	153	153	20
Visayas	2024	10	17	20	91	153	153	20
Visayas	2024	10	17	21	85	153	153	20
Visayas	2024	10	17	22	79	153	153	20
Visayas	2024	10	17	23	74	153	153	20
Visayas	2024	10	17	24	69	153	153	20
Visayas	2024	10	18	1	66	153	153	20
Visayas	2024	10	18	2	63	153	153	20
Visayas	2024	10	18	3	62	153	153	20
Visayas	2024	10	18	4	60	153	153	20
Visayas	2024	10	18	5	63	153	153	20
Visayas	2024	10	18	6	67	153	153	20
Visayas	2024	10	18	7	67	153	153	20
Visayas	2024	10	18	8	79	153	153	20
Visayas	2024	10	18	9	94	153	153	20
Visayas	2024	10	18	10	103	153	153	20
Visayas	2024	10	18	11	107	153	153	20
Visayas	2024	10	18	12	103	153	153	20
Visayas	2024	10	18	13	105	153	153	20
Visayas	2024	10	18	14	110	153	153	20
Visayas	2024	10	18	15	110	153	153	20
Visayas	2024	10	18	16	105	153	153	20
Visayas	2024	10	18	17	97	153	153	20
Visayas	2024	10	18	18	108	153	153	20
Visayas	2024	10	18	19	101	153	153	20
Visayas	2024	10	18	20	96	153	153	20
Visayas	2024	10	18	21	92	153	153	20
Visayas	2024	10	18	22	87	153	153	20
Visayas	2024	10	18	23	81	153	153	20
Visayas	2024	10	18	24	76	153	153	20
Visayas	2024	10	19	1	74	153	153	20
Visayas	2024	10	19	2	70	153	153	20
Visayas	2024	10	19	3	66	153	153	20
Visayas	2024	10	19	4	66	153	153	20
Visayas	2024	10	19	5	62	153	153	20
Visayas	2024	10	19	6	66	153	153	20
Visayas	2024	10	19	7	63	153	153	20
Visayas	2024	10	19	8	72	153	153	20
Visayas	2024	10	19	9	83	153	153	20
Visayas	2024	10	19	10	90	153	153	20
Visayas	2024	10	19	11	95	153	153	20
Visayas	2024	10	19	12	92	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	19	13	95	153	153	20
Visayas	2024	10	19	14	97	153	153	20
Visayas	2024	10	19	15	95	153	153	20
Visayas	2024	10	19	16	91	153	153	20
Visayas	2024	10	19	17	88	153	153	20
Visayas	2024	10	19	18	102	153	153	20
Visayas	2024	10	19	19	97	153	153	20
Visayas	2024	10	19	20	94	153	153	20
Visayas	2024	10	19	21	90	153	153	20
Visayas	2024	10	19	22	84	153	153	20
Visayas	2024	10	19	23	78	153	153	20
Visayas	2024	10	19	24	73	153	153	20
Visayas	2024	10	20	1	70	153	153	20
Visayas	2024	10	20	2	67	153	153	20
Visayas	2024	10	20	3	64	153	153	20
Visayas	2024	10	20	4	63	153	153	20
Visayas	2024	10	20	5	63	153	153	20
Visayas	2024	10	20	6	61	153	153	20
Visayas	2024	10	20	7	60	153	153	20
Visayas	2024	10	20	8	64	153	153	20
Visayas	2024	10	20	9	70	153	153	20
Visayas	2024	10	20	10	75	153	153	20
Visayas	2024	10	20	11	77	153	153	20
Visayas	2024	10	20	12	76	153	153	20
Visayas	2024	10	20	13	77	153	153	20
Visayas	2024	10	20	14	78	153	153	20
Visayas	2024	10	20	15	77	153	153	20
Visayas	2024	10	20	16	77	153	153	20
Visayas	2024	10	20	17	80	153	153	20
Visayas	2024	10	20	18	94	153	153	20
Visayas	2024	10	20	19	90	153	153	20
Visayas	2024	10	20	20	89	153	153	20
Visayas	2024	10	20	21	84	153	153	20
Visayas	2024	10	20	22	79	153	153	20
Visayas	2024	10	20	23	72	153	153	20
Visayas	2024	10	20	24	68	153	153	20
Visayas	2024	10	21	1	64	153	153	20
Visayas	2024	10	21	2	61	153	153	20
Visayas	2024	10	21	3	60	153	153	20
Visayas	2024	10	21	4	59	153	153	20
Visayas	2024	10	21	5	63	153	153	20
Visayas	2024	10	21	6	66	153	153	20
Visayas	2024	10	21	7	63	153	153	20
Visayas	2024	10	21	8	75	153	153	20
Visayas	2024	10	21	9	91	153	153	20
Visayas	2024	10	21	10	102	153	153	20
Visayas	2024	10	21	11	105	153	153	20
Visayas	2024	10	21	12	101	153	153	20
Visayas	2024	10	21	13	101	153	153	20
Visayas	2024	10	21	14	106	153	153	20
Visayas	2024	10	21	15	105	153	153	20
Visayas	2024	10	21	16	102	153	153	20
Visayas	2024	10	21	17	96	153	153	20
Visayas	2024	10	21	18	104	153	153	20
Visayas	2024	10	21	19	96	153	153	20
Visayas	2024	10	21	20	92	153	153	20
Visayas	2024	10	21	21	87	153	153	20
Visayas	2024	10	21	22	82	153	153	20
Visayas	2024	10	21	23	74	153	153	20
Visayas	2024	10	21	24	71	153	153	20
Visayas	2024	10	22	1	66	153	153	20
Visayas	2024	10	22	2	63	153	153	20
Visayas	2024	10	22	3	61	153	153	20
Visayas	2024	10	22	4	61	153	153	20
Visayas	2024	10	22	5	63	153	153	20
Visayas	2024	10	22	6	68	153	153	20
Visayas	2024	10	22	7	64	153	153	20
Visayas	2024	10	22	8	77	153	153	20
Visayas	2024	10	22	9	91	153	153	20
Visayas	2024	10	22	10	100	153	153	20
Visayas	2024	10	22	11	101	153	153	20
Visayas	2024	10	22	12	95	153	153	20
Visayas	2024	10	22	13	94	153	153	20
Visayas	2024	10	22	14	99	153	153	20
Visayas	2024	10	22	15	100	153	153	20
Visayas	2024	10	22	16	97	153	153	20
Visayas	2024	10	22	17	95	153	153	20
Visayas	2024	10	22	18	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	22	19	96	153	153	20
Visayas	2024	10	22	20	91	153	153	20
Visayas	2024	10	22	21	85	153	153	20
Visayas	2024	10	22	22	79	153	153	20
Visayas	2024	10	22	23	74	153	153	20
Visayas	2024	10	22	24	69	153	153	20
Visayas	2024	10	23	1	66	153	153	20
Visayas	2024	10	23	2	63	153	153	20
Visayas	2024	10	23	3	61	153	153	20
Visayas	2024	10	23	4	60	153	153	20
Visayas	2024	10	23	5	64	153	153	20
Visayas	2024	10	23	6	68	153	153	20
Visayas	2024	10	23	7	64	153	153	20
Visayas	2024	10	23	8	73	153	153	20
Visayas	2024	10	23	9	85	153	153	20
Visayas	2024	10	23	10	90	153	153	20
Visayas	2024	10	23	11	92	153	153	20
Visayas	2024	10	23	12	90	153	153	20
Visayas	2024	10	23	13	85	153	153	20
Visayas	2024	10	23	14	89	153	153	20
Visayas	2024	10	23	15	90	153	153	20
Visayas	2024	10	23	16	88	153	153	20
Visayas	2024	10	23	17	89	153	153	20
Visayas	2024	10	23	18	94	153	153	20
Visayas	2024	10	23	19	87	153	153	20
Visayas	2024	10	23	20	83	153	153	20
Visayas	2024	10	23	21	77	153	153	20
Visayas	2024	10	23	22	71	153	153	20
Visayas	2024	10	23	23	67	153	153	20
Visayas	2024	10	23	24	63	153	153	20
Visayas	2024	10	24	1	61	153	153	20
Visayas	2024	10	24	2	58	153	153	20
Visayas	2024	10	24	3	57	153	153	20
Visayas	2024	10	24	4	57	153	153	20
Visayas	2024	10	24	5	60	153	153	20
Visayas	2024	10	24	6	65	153	153	20
Visayas	2024	10	24	7	63	153	153	20
Visayas	2024	10	24	8	74	153	153	20
Visayas	2024	10	24	9	89	153	153	20
Visayas	2024	10	24	10	96	153	153	20
Visayas	2024	10	24	11	100	153	153	20
Visayas	2024	10	24	12	96	153	153	20
Visayas	2024	10	24	13	97	153	153	20
Visayas	2024	10	24	14	101	153	153	20
Visayas	2024	10	24	15	101	153	153	20
Visayas	2024	10	24	16	99	153	153	20
Visayas	2024	10	24	17	95	153	153	20
Visayas	2024	10	24	18	104	153	153	20
Visayas	2024	10	24	19	94	153	153	20
Visayas	2024	10	24	20	90	153	153	20
Visayas	2024	10	24	21	84	153	153	20
Visayas	2024	10	24	22	78	153	153	20
Visayas	2024	10	24	23	72	153	153	20
Visayas	2024	10	24	24	68	153	153	20
Visayas	2024	10	25	1	65	153	153	20
Visayas	2024	10	25	2	62	153	153	20
Visayas	2024	10	25	3	61	153	153	20
Visayas	2024	10	25	4	58	153	153	20
Visayas	2024	10	25	5	59	153	153	20
Visayas	2024	10	25	6	64	153	153	20
Visayas	2024	10	25	7	66	153	153	20
Visayas	2024	10	25	8	72	153	153	20
Visayas	2024	10	25	9	81	153	153	20
Visayas	2024	10	25	10	87	153	153	20
Visayas	2024	10	25	11	87	153	153	20
Visayas	2024	10	25	12	81	153	153	20
Visayas	2024	10	25	13	81	153	153	20
Visayas	2024	10	25	14	82	153	153	20
Visayas	2024	10	25	15	80	153	153	20
Visayas	2024	10	25	16	81	153	153	20
Visayas	2024	10	25	17	84	153	153	20
Visayas	2024	10	25	18	84	153	153	20
Visayas	2024	10	25	19	79	153	153	20
Visayas	2024	10	25	20	74	153	153	20
Visayas	2024	10	25	21	70	153	153	20
Visayas	2024	10	25	22	63	153	153	20
Visayas	2024	10	25	23	59	153	153	20
Visayas	2024	10	25	24	54	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	26	1	50	153	153	20
Visayas	2024	10	26	2	47	153	153	20
Visayas	2024	10	26	3	45	153	153	20
Visayas	2024	10	26	4	46	153	153	20
Visayas	2024	10	26	5	48	153	153	20
Visayas	2024	10	26	6	49	153	153	20
Visayas	2024	10	26	7	51	153	153	20
Visayas	2024	10	26	8	53	153	153	20
Visayas	2024	10	26	9	58	153	153	20
Visayas	2024	10	26	10	61	153	153	20
Visayas	2024	10	26	11	64	153	153	20
Visayas	2024	10	26	12	61	153	153	20
Visayas	2024	10	26	13	60	153	153	20
Visayas	2024	10	26	14	63	153	153	20
Visayas	2024	10	26	15	64	153	153	20
Visayas	2024	10	26	16	65	153	153	20
Visayas	2024	10	26	17	68	153	153	20
Visayas	2024	10	26	18	80	153	153	20
Visayas	2024	10	26	19	74	153	153	20
Visayas	2024	10	26	20	70	153	153	20
Visayas	2024	10	26	21	68	153	153	20
Visayas	2024	10	26	22	63	153	153	20
Visayas	2024	10	26	23	58	153	153	20
Visayas	2024	10	26	24	57	153	153	20
Visayas	2024	10	27	1	54	153	153	20
Visayas	2024	10	27	2	52	153	153	20
Visayas	2024	10	27	3	51	153	153	20
Visayas	2024	10	27	4	50	153	153	20
Visayas	2024	10	27	5	51	153	153	20
Visayas	2024	10	27	6	52	153	153	20
Visayas	2024	10	27	7	53	153	153	20
Visayas	2024	10	27	8	55	153	153	20
Visayas	2024	10	27	9	59	153	153	20
Visayas	2024	10	27	10	64	153	153	20
Visayas	2024	10	27	11	69	153	153	20
Visayas	2024	10	27	12	68	153	153	20
Visayas	2024	10	27	13	69	153	153	20
Visayas	2024	10	27	14	69	153	153	20
Visayas	2024	10	27	15	70	153	153	20
Visayas	2024	10	27	16	70	153	153	20
Visayas	2024	10	27	17	71	153	153	20
Visayas	2024	10	27	18	83	153	153	20
Visayas	2024	10	27	19	81	153	153	20
Visayas	2024	10	27	20	78	153	153	20
Visayas	2024	10	27	21	75	153	153	20
Visayas	2024	10	27	22	70	153	153	20
Visayas	2024	10	27	23	65	153	153	20
Visayas	2024	10	27	24	61	153	153	20
Visayas	2024	10	28	1	59	153	153	20
Visayas	2024	10	28	2	57	153	153	20
Visayas	2024	10	28	3	55	153	153	20
Visayas	2024	10	28	4	54	153	153	20
Visayas	2024	10	28	5	53	153	153	20
Visayas	2024	10	28	6	54	153	153	20
Visayas	2024	10	28	7	56	153	153	20
Visayas	2024	10	28	8	61	153	153	20
Visayas	2024	10	28	9	69	153	153	20
Visayas	2024	10	28	10	76	153	153	20
Visayas	2024	10	28	11	78	153	153	20
Visayas	2024	10	28	12	79	153	153	20
Visayas	2024	10	28	13	79	153	153	20
Visayas	2024	10	28	14	80	153	153	20
Visayas	2024	10	28	15	79	153	153	20
Visayas	2024	10	28	16	79	153	153	20
Visayas	2024	10	28	17	78	153	153	20
Visayas	2024	10	28	18	90	153	153	20
Visayas	2024	10	28	19	85	153	153	20
Visayas	2024	10	28	20	84	153	153	20
Visayas	2024	10	28	21	78	153	153	20
Visayas	2024	10	28	22	74	153	153	20
Visayas	2024	10	28	23	68	153	153	20
Visayas	2024	10	28	24	64	153	153	20
Visayas	2024	10	29	1	66	153	153	20
Visayas	2024	10	29	2	63	153	153	20
Visayas	2024	10	29	3	61	153	153	20
Visayas	2024	10	29	4	61	153	153	20
Visayas	2024	10	29	5	63	153	153	20
Visayas	2024	10	29	6	68	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	10	29	7	64	153	153	20
Visayas	2024	10	29	8	77	153	153	20
Visayas	2024	10	29	9	91	153	153	20
Visayas	2024	10	29	10	100	153	153	20
Visayas	2024	10	29	11	101	153	153	20
Visayas	2024	10	29	12	95	153	153	20
Visayas	2024	10	29	13	94	153	153	20
Visayas	2024	10	29	14	99	153	153	20
Visayas	2024	10	29	15	100	153	153	20
Visayas	2024	10	29	16	97	153	153	20
Visayas	2024	10	29	17	95	153	153	20
Visayas	2024	10	29	18	104	153	153	20
Visayas	2024	10	29	19	96	153	153	20
Visayas	2024	10	29	20	91	153	153	20
Visayas	2024	10	29	21	85	153	153	20
Visayas	2024	10	29	22	79	153	153	20
Visayas	2024	10	29	23	74	153	153	20
Visayas	2024	10	29	24	69	153	153	20
Visayas	2024	10	30	1	63	153	153	20
Visayas	2024	10	30	2	60	153	153	20
Visayas	2024	10	30	3	57	153	153	20
Visayas	2024	10	30	4	56	153	153	20
Visayas	2024	10	30	5	58	153	153	20
Visayas	2024	10	30	6	63	153	153	20
Visayas	2024	10	30	7	60	153	153	20
Visayas	2024	10	30	8	70	153	153	20
Visayas	2024	10	30	9	82	153	153	20
Visayas	2024	10	30	10	88	153	153	20
Visayas	2024	10	30	11	94	153	153	20
Visayas	2024	10	30	12	91	153	153	20
Visayas	2024	10	30	13	86	153	153	20
Visayas	2024	10	30	14	87	153	153	20
Visayas	2024	10	30	15	87	153	153	20
Visayas	2024	10	30	16	86	153	153	20
Visayas	2024	10	30	17	87	153	153	20
Visayas	2024	10	30	18	96	153	153	20
Visayas	2024	10	30	19	87	153	153	20
Visayas	2024	10	30	20	84	153	153	20
Visayas	2024	10	30	21	80	153	153	20
Visayas	2024	10	30	22	72	153	153	20
Visayas	2024	10	30	23	67	153	153	20
Visayas	2024	10	30	24	63	153	153	20
Visayas	2024	10	31	1	60	153	153	20
Visayas	2024	10	31	2	58	153	153	20
Visayas	2024	10	31	3	56	153	153	20
Visayas	2024	10	31	4	56	153	153	20
Visayas	2024	10	31	5	58	153	153	20
Visayas	2024	10	31	6	63	153	153	20
Visayas	2024	10	31	7	59	153	153	20
Visayas	2024	10	31	8	72	153	153	20
Visayas	2024	10	31	9	86	153	153	20
Visayas	2024	10	31	10	96	153	153	20
Visayas	2024	10	31	11	101	153	153	20
Visayas	2024	10	31	12	99	153	153	20
Visayas	2024	10	31	13	100	153	153	20
Visayas	2024	10	31	14	106	153	153	20
Visayas	2024	10	31	15	105	153	153	20
Visayas	2024	10	31	16	101	153	153	20
Visayas	2024	10	31	17	97	153	153	20
Visayas	2024	10	31	18	104	153	153	20
Visayas	2024	10	31	19	98	153	153	20
Visayas	2024	10	31	20	93	153	153	20
Visayas	2024	10	31	21	87	153	153	20
Visayas	2024	10	31	22	81	153	153	20
Visayas	2024	10	31	23	75	153	153	20
Visayas	2024	10	31	24	71	153	153	20
Visayas	2024	11	1	1	60	153	153	20
Visayas	2024	11	1	2	58	153	153	20
Visayas	2024	11	1	3	56	153	153	20
Visayas	2024	11	1	4	55	153	153	20
Visayas	2024	11	1	5	55	153	153	20
Visayas	2024	11	1	6	56	153	153	20
Visayas	2024	11	1	7	56	153	153	20
Visayas	2024	11	1	8	59	153	153	20
Visayas	2024	11	1	9	64	153	153	20
Visayas	2024	11	1	10	71	153	153	20
Visayas	2024	11	1	11	74	153	153	20
Visayas	2024	11	1	12	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	1	13	75	153	153	20
Visayas	2024	11	1	14	75	153	153	20
Visayas	2024	11	1	15	74	153	153	20
Visayas	2024	11	1	16	72	153	153	20
Visayas	2024	11	1	17	74	153	153	20
Visayas	2024	11	1	18	84	153	153	20
Visayas	2024	11	1	19	81	153	153	20
Visayas	2024	11	1	20	80	153	153	20
Visayas	2024	11	1	21	80	153	153	20
Visayas	2024	11	1	22	76	153	153	20
Visayas	2024	11	1	23	71	153	153	20
Visayas	2024	11	1	24	68	153	153	20
Visayas	2024	11	2	1	68	153	153	20
Visayas	2024	11	2	2	65	153	153	20
Visayas	2024	11	2	3	63	153	153	20
Visayas	2024	11	2	4	62	153	153	20
Visayas	2024	11	2	5	61	153	153	20
Visayas	2024	11	2	6	64	153	153	20
Visayas	2024	11	2	7	62	153	153	20
Visayas	2024	11	2	8	73	153	153	20
Visayas	2024	11	2	9	85	153	153	20
Visayas	2024	11	2	10	91	153	153	20
Visayas	2024	11	2	11	94	153	153	20
Visayas	2024	11	2	12	94	153	153	20
Visayas	2024	11	2	13	94	153	153	20
Visayas	2024	11	2	14	100	153	153	20
Visayas	2024	11	2	15	96	153	153	20
Visayas	2024	11	2	16	94	153	153	20
Visayas	2024	11	2	17	91	153	153	20
Visayas	2024	11	2	18	103	153	153	20
Visayas	2024	11	2	19	96	153	153	20
Visayas	2024	11	2	20	92	153	153	20
Visayas	2024	11	2	21	88	153	153	20
Visayas	2024	11	2	22	82	153	153	20
Visayas	2024	11	2	23	77	153	153	20
Visayas	2024	11	2	24	72	153	153	20
Visayas	2024	11	3	1	69	153	153	20
Visayas	2024	11	3	2	65	153	153	20
Visayas	2024	11	3	3	63	153	153	20
Visayas	2024	11	3	4	62	153	153	20
Visayas	2024	11	3	5	61	153	153	20
Visayas	2024	11	3	6	62	153	153	20
Visayas	2024	11	3	7	58	153	153	20
Visayas	2024	11	3	8	65	153	153	20
Visayas	2024	11	3	9	71	153	153	20
Visayas	2024	11	3	10	75	153	153	20
Visayas	2024	11	3	11	78	153	153	20
Visayas	2024	11	3	12	80	153	153	20
Visayas	2024	11	3	13	82	153	153	20
Visayas	2024	11	3	14	81	153	153	20
Visayas	2024	11	3	15	79	153	153	20
Visayas	2024	11	3	16	77	153	153	20
Visayas	2024	11	3	17	80	153	153	20
Visayas	2024	11	3	18	96	153	153	20
Visayas	2024	11	3	19	93	153	153	20
Visayas	2024	11	3	20	87	153	153	20
Visayas	2024	11	3	21	86	153	153	20
Visayas	2024	11	3	22	79	153	153	20
Visayas	2024	11	3	23	74	153	153	20
Visayas	2024	11	3	24	70	153	153	20
Visayas	2024	11	4	1	67	153	153	20
Visayas	2024	11	4	2	62	153	153	20
Visayas	2024	11	4	3	60	153	153	20
Visayas	2024	11	4	4	60	153	153	20
Visayas	2024	11	4	5	64	153	153	20
Visayas	2024	11	4	6	69	153	153	20
Visayas	2024	11	4	7	62	153	153	20
Visayas	2024	11	4	8	77	153	153	20
Visayas	2024	11	4	9	94	153	153	20
Visayas	2024	11	4	10	102	153	153	20
Visayas	2024	11	4	11	106	153	153	20
Visayas	2024	11	4	12	104	153	153	20
Visayas	2024	11	4	13	103	153	153	20
Visayas	2024	11	4	14	110	153	153	20
Visayas	2024	11	4	15	109	153	153	20
Visayas	2024	11	4	16	105	153	153	20
Visayas	2024	11	4	17	101	153	153	20
Visayas	2024	11	4	18	109	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	4	19	101	153	153	20
Visayas	2024	11	4	20	96	153	153	20
Visayas	2024	11	4	21	92	153	153	20
Visayas	2024	11	4	22	85	153	153	20
Visayas	2024	11	4	23	81	153	153	20
Visayas	2024	11	4	24	76	153	153	20
Visayas	2024	11	5	1	72	153	153	20
Visayas	2024	11	5	2	69	153	153	20
Visayas	2024	11	5	3	66	153	153	20
Visayas	2024	11	5	4	65	153	153	20
Visayas	2024	11	5	5	68	153	153	20
Visayas	2024	11	5	6	71	153	153	20
Visayas	2024	11	5	7	67	153	153	20
Visayas	2024	11	5	8	80	153	153	20
Visayas	2024	11	5	9	95	153	153	20
Visayas	2024	11	5	10	102	153	153	20
Visayas	2024	11	5	11	106	153	153	20
Visayas	2024	11	5	12	102	153	153	20
Visayas	2024	11	5	13	104	153	153	20
Visayas	2024	11	5	14	107	153	153	20
Visayas	2024	11	5	15	107	153	153	20
Visayas	2024	11	5	16	104	153	153	20
Visayas	2024	11	5	17	98	153	153	20
Visayas	2024	11	5	18	106	153	153	20
Visayas	2024	11	5	19	99	153	153	20
Visayas	2024	11	5	20	95	153	153	20
Visayas	2024	11	5	21	90	153	153	20
Visayas	2024	11	5	22	85	153	153	20
Visayas	2024	11	5	23	81	153	153	20
Visayas	2024	11	5	24	75	153	153	20
Visayas	2024	11	6	1	72	153	153	20
Visayas	2024	11	6	2	68	153	153	20
Visayas	2024	11	6	3	66	153	153	20
Visayas	2024	11	6	4	65	153	153	20
Visayas	2024	11	6	5	67	153	153	20
Visayas	2024	11	6	6	71	153	153	20
Visayas	2024	11	6	7	65	153	153	20
Visayas	2024	11	6	8	78	153	153	20
Visayas	2024	11	6	9	94	153	153	20
Visayas	2024	11	6	10	100	153	153	20
Visayas	2024	11	6	11	105	153	153	20
Visayas	2024	11	6	12	101	153	153	20
Visayas	2024	11	6	13	100	153	153	20
Visayas	2024	11	6	14	105	153	153	20
Visayas	2024	11	6	15	102	153	153	20
Visayas	2024	11	6	16	101	153	153	20
Visayas	2024	11	6	17	99	153	153	20
Visayas	2024	11	6	18	105	153	153	20
Visayas	2024	11	6	19	98	153	153	20
Visayas	2024	11	6	20	93	153	153	20
Visayas	2024	11	6	21	89	153	153	20
Visayas	2024	11	6	22	82	153	153	20
Visayas	2024	11	6	23	75	153	153	20
Visayas	2024	11	6	24	71	153	153	20
Visayas	2024	11	7	1	68	153	153	20
Visayas	2024	11	7	2	66	153	153	20
Visayas	2024	11	7	3	63	153	153	20
Visayas	2024	11	7	4	63	153	153	20
Visayas	2024	11	7	5	65	153	153	20
Visayas	2024	11	7	6	71	153	153	20
Visayas	2024	11	7	7	65	153	153	20
Visayas	2024	11	7	8	77	153	153	20
Visayas	2024	11	7	9	91	153	153	20
Visayas	2024	11	7	10	98	153	153	20
Visayas	2024	11	7	11	101	153	153	20
Visayas	2024	11	7	12	99	153	153	20
Visayas	2024	11	7	13	100	153	153	20
Visayas	2024	11	7	14	105	153	153	20
Visayas	2024	11	7	15	104	153	153	20
Visayas	2024	11	7	16	101	153	153	20
Visayas	2024	11	7	17	96	153	153	20
Visayas	2024	11	7	18	105	153	153	20
Visayas	2024	11	7	19	98	153	153	20
Visayas	2024	11	7	20	92	153	153	20
Visayas	2024	11	7	21	87	153	153	20
Visayas	2024	11	7	22	81	153	153	20
Visayas	2024	11	7	23	77	153	153	20
Visayas	2024	11	7	24	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	8	1	68	153	153	20
Visayas	2024	11	8	2	65	153	153	20
Visayas	2024	11	8	3	63	153	153	20
Visayas	2024	11	8	4	61	153	153	20
Visayas	2024	11	8	5	64	153	153	20
Visayas	2024	11	8	6	70	153	153	20
Visayas	2024	11	8	7	65	153	153	20
Visayas	2024	11	8	8	76	153	153	20
Visayas	2024	11	8	9	92	153	153	20
Visayas	2024	11	8	10	99	153	153	20
Visayas	2024	11	8	11	102	153	153	20
Visayas	2024	11	8	12	102	153	153	20
Visayas	2024	11	8	13	100	153	153	20
Visayas	2024	11	8	14	107	153	153	20
Visayas	2024	11	8	15	105	153	153	20
Visayas	2024	11	8	16	101	153	153	20
Visayas	2024	11	8	17	96	153	153	20
Visayas	2024	11	8	18	105	153	153	20
Visayas	2024	11	8	19	99	153	153	20
Visayas	2024	11	8	20	94	153	153	20
Visayas	2024	11	8	21	90	153	153	20
Visayas	2024	11	8	22	83	153	153	20
Visayas	2024	11	8	23	78	153	153	20
Visayas	2024	11	8	24	74	153	153	20
Visayas	2024	11	9	1	70	153	153	20
Visayas	2024	11	9	2	68	153	153	20
Visayas	2024	11	9	3	65	153	153	20
Visayas	2024	11	9	4	63	153	153	20
Visayas	2024	11	9	5	61	153	153	20
Visayas	2024	11	9	6	61	153	153	20
Visayas	2024	11	9	7	63	153	153	20
Visayas	2024	11	9	8	71	153	153	20
Visayas	2024	11	9	9	80	153	153	20
Visayas	2024	11	9	10	89	153	153	20
Visayas	2024	11	9	11	92	153	153	20
Visayas	2024	11	9	12	93	153	153	20
Visayas	2024	11	9	13	92	153	153	20
Visayas	2024	11	9	14	99	153	153	20
Visayas	2024	11	9	15	96	153	153	20
Visayas	2024	11	9	16	95	153	153	20
Visayas	2024	11	9	17	90	153	153	20
Visayas	2024	11	9	18	102	153	153	20
Visayas	2024	11	9	19	98	153	153	20
Visayas	2024	11	9	20	93	153	153	20
Visayas	2024	11	9	21	90	153	153	20
Visayas	2024	11	9	22	84	153	153	20
Visayas	2024	11	9	23	80	153	153	20
Visayas	2024	11	9	24	75	153	153	20
Visayas	2024	11	10	1	71	153	153	20
Visayas	2024	11	10	2	68	153	153	20
Visayas	2024	11	10	3	65	153	153	20
Visayas	2024	11	10	4	63	153	153	20
Visayas	2024	11	10	5	64	153	153	20
Visayas	2024	11	10	6	62	153	153	20
Visayas	2024	11	10	7	60	153	153	20
Visayas	2024	11	10	8	64	153	153	20
Visayas	2024	11	10	9	73	153	153	20
Visayas	2024	11	10	10	78	153	153	20
Visayas	2024	11	10	11	82	153	153	20
Visayas	2024	11	10	12	81	153	153	20
Visayas	2024	11	10	13	82	153	153	20
Visayas	2024	11	10	14	85	153	153	20
Visayas	2024	11	10	15	82	153	153	20
Visayas	2024	11	10	16	80	153	153	20
Visayas	2024	11	10	17	81	153	153	20
Visayas	2024	11	10	18	95	153	153	20
Visayas	2024	11	10	19	93	153	153	20
Visayas	2024	11	10	20	90	153	153	20
Visayas	2024	11	10	21	88	153	153	20
Visayas	2024	11	10	22	81	153	153	20
Visayas	2024	11	10	23	76	153	153	20
Visayas	2024	11	10	24	71	153	153	20
Visayas	2024	11	11	1	67	153	153	20
Visayas	2024	11	11	2	64	153	153	20
Visayas	2024	11	11	3	61	153	153	20
Visayas	2024	11	11	4	59	153	153	20
Visayas	2024	11	11	5	64	153	153	20
Visayas	2024	11	11	6	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	11	7	63	153	153	20
Visayas	2024	11	11	8	76	153	153	20
Visayas	2024	11	11	9	93	153	153	20
Visayas	2024	11	11	10	102	153	153	20
Visayas	2024	11	11	11	104	153	153	20
Visayas	2024	11	11	12	101	153	153	20
Visayas	2024	11	11	13	105	153	153	20
Visayas	2024	11	11	14	107	153	153	20
Visayas	2024	11	11	15	106	153	153	20
Visayas	2024	11	11	16	104	153	153	20
Visayas	2024	11	11	17	98	153	153	20
Visayas	2024	11	11	18	106	153	153	20
Visayas	2024	11	11	19	99	153	153	20
Visayas	2024	11	11	20	95	153	153	20
Visayas	2024	11	11	21	90	153	153	20
Visayas	2024	11	11	22	84	153	153	20
Visayas	2024	11	11	23	78	153	153	20
Visayas	2024	11	11	24	73	153	153	20
Visayas	2024	11	12	1	69	153	153	20
Visayas	2024	11	12	2	66	153	153	20
Visayas	2024	11	12	3	65	153	153	20
Visayas	2024	11	12	4	64	153	153	20
Visayas	2024	11	12	5	67	153	153	20
Visayas	2024	11	12	6	71	153	153	20
Visayas	2024	11	12	7	65	153	153	20
Visayas	2024	11	12	8	77	153	153	20
Visayas	2024	11	12	9	94	153	153	20
Visayas	2024	11	12	10	101	153	153	20
Visayas	2024	11	12	11	105	153	153	20
Visayas	2024	11	12	12	103	153	153	20
Visayas	2024	11	12	13	102	153	153	20
Visayas	2024	11	12	14	109	153	153	20
Visayas	2024	11	12	15	108	153	153	20
Visayas	2024	11	12	16	105	153	153	20
Visayas	2024	11	12	17	100	153	153	20
Visayas	2024	11	12	18	108	153	153	20
Visayas	2024	11	12	19	100	153	153	20
Visayas	2024	11	12	20	97	153	153	20
Visayas	2024	11	12	21	91	153	153	20
Visayas	2024	11	12	22	85	153	153	20
Visayas	2024	11	12	23	80	153	153	20
Visayas	2024	11	12	24	74	153	153	20
Visayas	2024	11	13	1	71	153	153	20
Visayas	2024	11	13	2	68	153	153	20
Visayas	2024	11	13	3	67	153	153	20
Visayas	2024	11	13	4	65	153	153	20
Visayas	2024	11	13	5	68	153	153	20
Visayas	2024	11	13	6	71	153	153	20
Visayas	2024	11	13	7	64	153	153	20
Visayas	2024	11	13	8	74	153	153	20
Visayas	2024	11	13	9	88	153	153	20
Visayas	2024	11	13	10	97	153	153	20
Visayas	2024	11	13	11	103	153	153	20
Visayas	2024	11	13	12	98	153	153	20
Visayas	2024	11	13	13	100	153	153	20
Visayas	2024	11	13	14	105	153	153	20
Visayas	2024	11	13	15	104	153	153	20
Visayas	2024	11	13	16	100	153	153	20
Visayas	2024	11	13	17	96	153	153	20
Visayas	2024	11	13	18	103	153	153	20
Visayas	2024	11	13	19	95	153	153	20
Visayas	2024	11	13	20	88	153	153	20
Visayas	2024	11	13	21	88	153	153	20
Visayas	2024	11	13	22	81	153	153	20
Visayas	2024	11	13	23	76	153	153	20
Visayas	2024	11	13	24	71	153	153	20
Visayas	2024	11	14	1	69	153	153	20
Visayas	2024	11	14	2	66	153	153	20
Visayas	2024	11	14	3	65	153	153	20
Visayas	2024	11	14	4	64	153	153	20
Visayas	2024	11	14	5	67	153	153	20
Visayas	2024	11	14	6	71	153	153	20
Visayas	2024	11	14	7	66	153	153	20
Visayas	2024	11	14	8	79	153	153	20
Visayas	2024	11	14	9	93	153	153	20
Visayas	2024	11	14	10	100	153	153	20
Visayas	2024	11	14	11	106	153	153	20
Visayas	2024	11	14	12	101	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	14	13	99	153	153	20
Visayas	2024	11	14	14	102	153	153	20
Visayas	2024	11	14	15	98	153	153	20
Visayas	2024	11	14	16	93	153	153	20
Visayas	2024	11	14	17	93	153	153	20
Visayas	2024	11	14	18	98	153	153	20
Visayas	2024	11	14	19	94	153	153	20
Visayas	2024	11	14	20	89	153	153	20
Visayas	2024	11	14	21	83	153	153	20
Visayas	2024	11	14	22	77	153	153	20
Visayas	2024	11	14	23	73	153	153	20
Visayas	2024	11	14	24	70	153	153	20
Visayas	2024	11	15	1	66	153	153	20
Visayas	2024	11	15	2	63	153	153	20
Visayas	2024	11	15	3	61	153	153	20
Visayas	2024	11	15	4	61	153	153	20
Visayas	2024	11	15	5	64	153	153	20
Visayas	2024	11	15	6	68	153	153	20
Visayas	2024	11	15	7	66	153	153	20
Visayas	2024	11	15	8	73	153	153	20
Visayas	2024	11	15	9	84	153	153	20
Visayas	2024	11	15	10	91	153	153	20
Visayas	2024	11	15	11	91	153	153	20
Visayas	2024	11	15	12	86	153	153	20
Visayas	2024	11	15	13	85	153	153	20
Visayas	2024	11	15	14	90	153	153	20
Visayas	2024	11	15	15	89	153	153	20
Visayas	2024	11	15	16	88	153	153	20
Visayas	2024	11	15	17	88	153	153	20
Visayas	2024	11	15	18	98	153	153	20
Visayas	2024	11	15	19	88	153	153	20
Visayas	2024	11	15	20	84	153	153	20
Visayas	2024	11	15	21	80	153	153	20
Visayas	2024	11	15	22	74	153	153	20
Visayas	2024	11	15	23	69	153	153	20
Visayas	2024	11	15	24	65	153	153	20
Visayas	2024	11	16	1	62	153	153	20
Visayas	2024	11	16	2	60	153	153	20
Visayas	2024	11	16	3	58	153	153	20
Visayas	2024	11	16	4	57	153	153	20
Visayas	2024	11	16	5	59	153	153	20
Visayas	2024	11	16	6	61	153	153	20
Visayas	2024	11	16	7	60	153	153	20
Visayas	2024	11	16	8	66	153	153	20
Visayas	2024	11	16	9	75	153	153	20
Visayas	2024	11	16	10	80	153	153	20
Visayas	2024	11	16	11	83	153	153	20
Visayas	2024	11	16	12	81	153	153	20
Visayas	2024	11	16	13	80	153	153	20
Visayas	2024	11	16	14	80	153	153	20
Visayas	2024	11	16	15	77	153	153	20
Visayas	2024	11	16	16	75	153	153	20
Visayas	2024	11	16	17	78	153	153	20
Visayas	2024	11	16	18	91	153	153	20
Visayas	2024	11	16	19	85	153	153	20
Visayas	2024	11	16	20	79	153	153	20
Visayas	2024	11	16	21	76	153	153	20
Visayas	2024	11	16	22	69	153	153	20
Visayas	2024	11	16	23	64	153	153	20
Visayas	2024	11	16	24	60	153	153	20
Visayas	2024	11	17	1	57	153	153	20
Visayas	2024	11	17	2	55	153	153	20
Visayas	2024	11	17	3	54	153	153	20
Visayas	2024	11	17	4	53	153	153	20
Visayas	2024	11	17	5	53	153	153	20
Visayas	2024	11	17	6	53	153	153	20
Visayas	2024	11	17	7	54	153	153	20
Visayas	2024	11	17	8	57	153	153	20
Visayas	2024	11	17	9	63	153	153	20
Visayas	2024	11	17	10	71	153	153	20
Visayas	2024	11	17	11	73	153	153	20
Visayas	2024	11	17	12	74	153	153	20
Visayas	2024	11	17	13	72	153	153	20
Visayas	2024	11	17	14	72	153	153	20
Visayas	2024	11	17	15	71	153	153	20
Visayas	2024	11	17	16	70	153	153	20
Visayas	2024	11	17	17	76	153	153	20
Visayas	2024	11	17	18	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	17	19	85	153	153	20
Visayas	2024	11	17	20	81	153	153	20
Visayas	2024	11	17	21	78	153	153	20
Visayas	2024	11	17	22	72	153	153	20
Visayas	2024	11	17	23	67	153	153	20
Visayas	2024	11	17	24	64	153	153	20
Visayas	2024	11	18	1	60	153	153	20
Visayas	2024	11	18	2	57	153	153	20
Visayas	2024	11	18	3	55	153	153	20
Visayas	2024	11	18	4	55	153	153	20
Visayas	2024	11	18	5	59	153	153	20
Visayas	2024	11	18	6	66	153	153	20
Visayas	2024	11	18	7	61	153	153	20
Visayas	2024	11	18	8	74	153	153	20
Visayas	2024	11	18	9	88	153	153	20
Visayas	2024	11	18	10	98	153	153	20
Visayas	2024	11	18	11	104	153	153	20
Visayas	2024	11	18	12	101	153	153	20
Visayas	2024	11	18	13	100	153	153	20
Visayas	2024	11	18	14	105	153	153	20
Visayas	2024	11	18	15	104	153	153	20
Visayas	2024	11	18	16	100	153	153	20
Visayas	2024	11	18	17	97	153	153	20
Visayas	2024	11	18	18	104	153	153	20
Visayas	2024	11	18	19	96	153	153	20
Visayas	2024	11	18	20	89	153	153	20
Visayas	2024	11	18	21	86	153	153	20
Visayas	2024	11	18	22	79	153	153	20
Visayas	2024	11	18	23	74	153	153	20
Visayas	2024	11	18	24	70	153	153	20
Visayas	2024	11	19	1	67	153	153	20
Visayas	2024	11	19	2	64	153	153	20
Visayas	2024	11	19	3	61	153	153	20
Visayas	2024	11	19	4	61	153	153	20
Visayas	2024	11	19	5	65	153	153	20
Visayas	2024	11	19	6	69	153	153	20
Visayas	2024	11	19	7	65	153	153	20
Visayas	2024	11	19	8	76	153	153	20
Visayas	2024	11	19	9	91	153	153	20
Visayas	2024	11	19	10	101	153	153	20
Visayas	2024	11	19	11	106	153	153	20
Visayas	2024	11	19	12	101	153	153	20
Visayas	2024	11	19	13	102	153	153	20
Visayas	2024	11	19	14	108	153	153	20
Visayas	2024	11	19	15	107	153	153	20
Visayas	2024	11	19	16	104	153	153	20
Visayas	2024	11	19	17	98	153	153	20
Visayas	2024	11	19	18	108	153	153	20
Visayas	2024	11	19	19	103	153	153	20
Visayas	2024	11	19	20	97	153	153	20
Visayas	2024	11	19	21	93	153	153	20
Visayas	2024	11	19	22	85	153	153	20
Visayas	2024	11	19	23	79	153	153	20
Visayas	2024	11	19	24	73	153	153	20
Visayas	2024	11	20	1	69	153	153	20
Visayas	2024	11	20	2	67	153	153	20
Visayas	2024	11	20	3	64	153	153	20
Visayas	2024	11	20	4	65	153	153	20
Visayas	2024	11	20	5	67	153	153	20
Visayas	2024	11	20	6	71	153	153	20
Visayas	2024	11	20	7	67	153	153	20
Visayas	2024	11	20	8	78	153	153	20
Visayas	2024	11	20	9	95	153	153	20
Visayas	2024	11	20	10	104	153	153	20
Visayas	2024	11	20	11	107	153	153	20
Visayas	2024	11	20	12	104	153	153	20
Visayas	2024	11	20	13	105	153	153	20
Visayas	2024	11	20	14	111	153	153	20
Visayas	2024	11	20	15	109	153	153	20
Visayas	2024	11	20	16	106	153	153	20
Visayas	2024	11	20	17	100	153	153	20
Visayas	2024	11	20	18	109	153	153	20
Visayas	2024	11	20	19	103	153	153	20
Visayas	2024	11	20	20	97	153	153	20
Visayas	2024	11	20	21	95	153	153	20
Visayas	2024	11	20	22	87	153	153	20
Visayas	2024	11	20	23	82	153	153	20
Visayas	2024	11	20	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	21	1	73	153	153	20
Visayas	2024	11	21	2	69	153	153	20
Visayas	2024	11	21	3	66	153	153	20
Visayas	2024	11	21	4	65	153	153	20
Visayas	2024	11	21	5	68	153	153	20
Visayas	2024	11	21	6	73	153	153	20
Visayas	2024	11	21	7	69	153	153	20
Visayas	2024	11	21	8	78	153	153	20
Visayas	2024	11	21	9	95	153	153	20
Visayas	2024	11	21	10	101	153	153	20
Visayas	2024	11	21	11	106	153	153	20
Visayas	2024	11	21	12	103	153	153	20
Visayas	2024	11	21	13	104	153	153	20
Visayas	2024	11	21	14	110	153	153	20
Visayas	2024	11	21	15	108	153	153	20
Visayas	2024	11	21	16	105	153	153	20
Visayas	2024	11	21	17	100	153	153	20
Visayas	2024	11	21	18	108	153	153	20
Visayas	2024	11	21	19	101	153	153	20
Visayas	2024	11	21	20	101	153	153	20
Visayas	2024	11	21	21	95	153	153	20
Visayas	2024	11	21	22	87	153	153	20
Visayas	2024	11	21	23	83	153	153	20
Visayas	2024	11	21	24	76	153	153	20
Visayas	2024	11	22	1	73	153	153	20
Visayas	2024	11	22	2	71	153	153	20
Visayas	2024	11	22	3	68	153	153	20
Visayas	2024	11	22	4	67	153	153	20
Visayas	2024	11	22	5	69	153	153	20
Visayas	2024	11	22	6	70	153	153	20
Visayas	2024	11	22	7	69	153	153	20
Visayas	2024	11	22	8	80	153	153	20
Visayas	2024	11	22	9	95	153	153	20
Visayas	2024	11	22	10	103	153	153	20
Visayas	2024	11	22	11	103	153	153	20
Visayas	2024	11	22	12	101	153	153	20
Visayas	2024	11	22	13	102	153	153	20
Visayas	2024	11	22	14	107	153	153	20
Visayas	2024	11	22	15	106	153	153	20
Visayas	2024	11	22	16	104	153	153	20
Visayas	2024	11	22	17	99	153	153	20
Visayas	2024	11	22	18	107	153	153	20
Visayas	2024	11	22	19	100	153	153	20
Visayas	2024	11	22	20	95	153	153	20
Visayas	2024	11	22	21	91	153	153	20
Visayas	2024	11	22	22	85	153	153	20
Visayas	2024	11	22	23	79	153	153	20
Visayas	2024	11	22	24	75	153	153	20
Visayas	2024	11	23	1	71	153	153	20
Visayas	2024	11	23	2	68	153	153	20
Visayas	2024	11	23	3	65	153	153	20
Visayas	2024	11	23	4	64	153	153	20
Visayas	2024	11	23	5	64	153	153	20
Visayas	2024	11	23	6	64	153	153	20
Visayas	2024	11	23	7	61	153	153	20
Visayas	2024	11	23	8	68	153	153	20
Visayas	2024	11	23	9	79	153	153	20
Visayas	2024	11	23	10	86	153	153	20
Visayas	2024	11	23	11	89	153	153	20
Visayas	2024	11	23	12	88	153	153	20
Visayas	2024	11	23	13	90	153	153	20
Visayas	2024	11	23	14	94	153	153	20
Visayas	2024	11	23	15	93	153	153	20
Visayas	2024	11	23	16	90	153	153	20
Visayas	2024	11	23	17	88	153	153	20
Visayas	2024	11	23	18	101	153	153	20
Visayas	2024	11	23	19	95	153	153	20
Visayas	2024	11	23	20	91	153	153	20
Visayas	2024	11	23	21	89	153	153	20
Visayas	2024	11	23	22	84	153	153	20
Visayas	2024	11	23	23	77	153	153	20
Visayas	2024	11	23	24	74	153	153	20
Visayas	2024	11	24	1	70	153	153	20
Visayas	2024	11	24	2	67	153	153	20
Visayas	2024	11	24	3	65	153	153	20
Visayas	2024	11	24	4	62	153	153	20
Visayas	2024	11	24	5	62	153	153	20
Visayas	2024	11	24	6	63	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	24	7	57	153	153	20
Visayas	2024	11	24	8	61	153	153	20
Visayas	2024	11	24	9	68	153	153	20
Visayas	2024	11	24	10	72	153	153	20
Visayas	2024	11	24	11	75	153	153	20
Visayas	2024	11	24	12	74	153	153	20
Visayas	2024	11	24	13	74	153	153	20
Visayas	2024	11	24	14	75	153	153	20
Visayas	2024	11	24	15	75	153	153	20
Visayas	2024	11	24	16	73	153	153	20
Visayas	2024	11	24	17	74	153	153	20
Visayas	2024	11	24	18	90	153	153	20
Visayas	2024	11	24	19	91	153	153	20
Visayas	2024	11	24	20	88	153	153	20
Visayas	2024	11	24	21	85	153	153	20
Visayas	2024	11	24	22	80	153	153	20
Visayas	2024	11	24	23	75	153	153	20
Visayas	2024	11	24	24	70	153	153	20
Visayas	2024	11	25	1	67	153	153	20
Visayas	2024	11	25	2	63	153	153	20
Visayas	2024	11	25	3	62	153	153	20
Visayas	2024	11	25	4	60	153	153	20
Visayas	2024	11	25	5	64	153	153	20
Visayas	2024	11	25	6	68	153	153	20
Visayas	2024	11	25	7	66	153	153	20
Visayas	2024	11	25	8	76	153	153	20
Visayas	2024	11	25	9	93	153	153	20
Visayas	2024	11	25	10	101	153	153	20
Visayas	2024	11	25	11	103	153	153	20
Visayas	2024	11	25	12	102	153	153	20
Visayas	2024	11	25	13	102	153	153	20
Visayas	2024	11	25	14	107	153	153	20
Visayas	2024	11	25	15	108	153	153	20
Visayas	2024	11	25	16	105	153	153	20
Visayas	2024	11	25	17	100	153	153	20
Visayas	2024	11	25	18	108	153	153	20
Visayas	2024	11	25	19	103	153	153	20
Visayas	2024	11	25	20	97	153	153	20
Visayas	2024	11	25	21	93	153	153	20
Visayas	2024	11	25	22	86	153	153	20
Visayas	2024	11	25	23	80	153	153	20
Visayas	2024	11	25	24	76	153	153	20
Visayas	2024	11	26	1	71	153	153	20
Visayas	2024	11	26	2	68	153	153	20
Visayas	2024	11	26	3	66	153	153	20
Visayas	2024	11	26	4	67	153	153	20
Visayas	2024	11	26	5	68	153	153	20
Visayas	2024	11	26	6	72	153	153	20
Visayas	2024	11	26	7	66	153	153	20
Visayas	2024	11	26	8	79	153	153	20
Visayas	2024	11	26	9	94	153	153	20
Visayas	2024	11	26	10	104	153	153	20
Visayas	2024	11	26	11	108	153	153	20
Visayas	2024	11	26	12	103	153	153	20
Visayas	2024	11	26	13	104	153	153	20
Visayas	2024	11	26	14	110	153	153	20
Visayas	2024	11	26	15	108	153	153	20
Visayas	2024	11	26	16	105	153	153	20
Visayas	2024	11	26	17	100	153	153	20
Visayas	2024	11	26	18	108	153	153	20
Visayas	2024	11	26	19	103	153	153	20
Visayas	2024	11	26	20	98	153	153	20
Visayas	2024	11	26	21	94	153	153	20
Visayas	2024	11	26	22	87	153	153	20
Visayas	2024	11	26	23	82	153	153	20
Visayas	2024	11	26	24	76	153	153	20
Visayas	2024	11	27	1	69	153	153	20
Visayas	2024	11	27	2	67	153	153	20
Visayas	2024	11	27	3	64	153	153	20
Visayas	2024	11	27	4	65	153	153	20
Visayas	2024	11	27	5	67	153	153	20
Visayas	2024	11	27	6	71	153	153	20
Visayas	2024	11	27	7	67	153	153	20
Visayas	2024	11	27	8	78	153	153	20
Visayas	2024	11	27	9	95	153	153	20
Visayas	2024	11	27	10	104	153	153	20
Visayas	2024	11	27	11	107	153	153	20
Visayas	2024	11	27	12	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	27	13	105	153	153	20
Visayas	2024	11	27	14	111	153	153	20
Visayas	2024	11	27	15	109	153	153	20
Visayas	2024	11	27	16	106	153	153	20
Visayas	2024	11	27	17	100	153	153	20
Visayas	2024	11	27	18	109	153	153	20
Visayas	2024	11	27	19	103	153	153	20
Visayas	2024	11	27	20	97	153	153	20
Visayas	2024	11	27	21	95	153	153	20
Visayas	2024	11	27	22	87	153	153	20
Visayas	2024	11	27	23	82	153	153	20
Visayas	2024	11	27	24	77	153	153	20
Visayas	2024	11	28	1	64	153	153	20
Visayas	2024	11	28	2	58	153	153	20
Visayas	2024	11	28	3	57	153	153	20
Visayas	2024	11	28	4	58	153	153	20
Visayas	2024	11	28	5	60	153	153	20
Visayas	2024	11	28	6	66	153	153	20
Visayas	2024	11	28	7	63	153	153	20
Visayas	2024	11	28	8	74	153	153	20
Visayas	2024	11	28	9	89	153	153	20
Visayas	2024	11	28	10	98	153	153	20
Visayas	2024	11	28	11	104	153	153	20
Visayas	2024	11	28	12	99	153	153	20
Visayas	2024	11	28	13	103	153	153	20
Visayas	2024	11	28	14	105	153	153	20
Visayas	2024	11	28	15	105	153	153	20
Visayas	2024	11	28	16	103	153	153	20
Visayas	2024	11	28	17	99	153	153	20
Visayas	2024	11	28	18	106	153	153	20
Visayas	2024	11	28	19	99	153	153	20
Visayas	2024	11	28	20	95	153	153	20
Visayas	2024	11	28	21	91	153	153	20
Visayas	2024	11	28	22	84	153	153	20
Visayas	2024	11	28	23	77	153	153	20
Visayas	2024	11	28	24	73	153	153	20
Visayas	2024	11	29	1	69	153	153	20
Visayas	2024	11	29	2	66	153	153	20
Visayas	2024	11	29	3	64	153	153	20
Visayas	2024	11	29	4	63	153	153	20
Visayas	2024	11	29	5	65	153	153	20
Visayas	2024	11	29	6	69	153	153	20
Visayas	2024	11	29	7	67	153	153	20
Visayas	2024	11	29	8	75	153	153	20
Visayas	2024	11	29	9	88	153	153	20
Visayas	2024	11	29	10	98	153	153	20
Visayas	2024	11	29	11	101	153	153	20
Visayas	2024	11	29	12	98	153	153	20
Visayas	2024	11	29	13	96	153	153	20
Visayas	2024	11	29	14	104	153	153	20
Visayas	2024	11	29	15	102	153	153	20
Visayas	2024	11	29	16	99	153	153	20
Visayas	2024	11	29	17	97	153	153	20
Visayas	2024	11	29	18	104	153	153	20
Visayas	2024	11	29	19	97	153	153	20
Visayas	2024	11	29	20	92	153	153	20
Visayas	2024	11	29	21	87	153	153	20
Visayas	2024	11	29	22	82	153	153	20
Visayas	2024	11	29	23	77	153	153	20
Visayas	2024	11	29	24	71	153	153	20
Visayas	2024	11	30	1	72	153	153	20
Visayas	2024	11	30	2	70	153	153	20
Visayas	2024	11	30	3	67	153	153	20
Visayas	2024	11	30	4	65	153	153	20
Visayas	2024	11	30	5	65	153	153	20
Visayas	2024	11	30	6	68	153	153	20
Visayas	2024	11	30	7	66	153	153	20
Visayas	2024	11	30	8	72	153	153	20
Visayas	2024	11	30	9	80	153	153	20
Visayas	2024	11	30	10	89	153	153	20
Visayas	2024	11	30	11	92	153	153	20
Visayas	2024	11	30	12	89	153	153	20
Visayas	2024	11	30	13	89	153	153	20
Visayas	2024	11	30	14	90	153	153	20
Visayas	2024	11	30	15	90	153	153	20
Visayas	2024	11	30	16	90	153	153	20
Visayas	2024	11	30	17	89	153	153	20
Visayas	2024	11	30	18	100	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	11	30	19	94	153	153	20
Visayas	2024	11	30	20	90	153	153	20
Visayas	2024	11	30	21	86	153	153	20
Visayas	2024	11	30	22	80	153	153	20
Visayas	2024	11	30	23	74	153	153	20
Visayas	2024	11	30	24	68	153	153	20
Visayas	2024	12	1	1	67	153	153	20
Visayas	2024	12	1	2	64	153	153	20
Visayas	2024	12	1	3	60	153	153	20
Visayas	2024	12	1	4	59	153	153	20
Visayas	2024	12	1	5	60	153	153	20
Visayas	2024	12	1	6	61	153	153	20
Visayas	2024	12	1	7	58	153	153	20
Visayas	2024	12	1	8	62	153	153	20
Visayas	2024	12	1	9	68	153	153	20
Visayas	2024	12	1	10	74	153	153	20
Visayas	2024	12	1	11	76	153	153	20
Visayas	2024	12	1	12	77	153	153	20
Visayas	2024	12	1	13	76	153	153	20
Visayas	2024	12	1	14	79	153	153	20
Visayas	2024	12	1	15	78	153	153	20
Visayas	2024	12	1	16	76	153	153	20
Visayas	2024	12	1	17	78	153	153	20
Visayas	2024	12	1	18	94	153	153	20
Visayas	2024	12	1	19	90	153	153	20
Visayas	2024	12	1	20	87	153	153	20
Visayas	2024	12	1	21	84	153	153	20
Visayas	2024	12	1	22	78	153	153	20
Visayas	2024	12	1	23	72	153	153	20
Visayas	2024	12	1	24	69	153	153	20
Visayas	2024	12	2	1	65	153	153	20
Visayas	2024	12	2	2	61	153	153	20
Visayas	2024	12	2	3	59	153	153	20
Visayas	2024	12	2	4	59	153	153	20
Visayas	2024	12	2	5	62	153	153	20
Visayas	2024	12	2	6	68	153	153	20
Visayas	2024	12	2	7	65	153	153	20
Visayas	2024	12	2	8	74	153	153	20
Visayas	2024	12	2	9	87	153	153	20
Visayas	2024	12	2	10	94	153	153	20
Visayas	2024	12	2	11	100	153	153	20
Visayas	2024	12	2	12	97	153	153	20
Visayas	2024	12	2	13	96	153	153	20
Visayas	2024	12	2	14	100	153	153	20
Visayas	2024	12	2	15	100	153	153	20
Visayas	2024	12	2	16	96	153	153	20
Visayas	2024	12	2	17	93	153	153	20
Visayas	2024	12	2	18	102	153	153	20
Visayas	2024	12	2	19	95	153	153	20
Visayas	2024	12	2	20	92	153	153	20
Visayas	2024	12	2	21	86	153	153	20
Visayas	2024	12	2	22	79	153	153	20
Visayas	2024	12	2	23	74	153	153	20
Visayas	2024	12	2	24	70	153	153	20
Visayas	2024	12	3	1	66	153	153	20
Visayas	2024	12	3	2	63	153	153	20
Visayas	2024	12	3	3	61	153	153	20
Visayas	2024	12	3	4	60	153	153	20
Visayas	2024	12	3	5	65	153	153	20
Visayas	2024	12	3	6	69	153	153	20
Visayas	2024	12	3	7	65	153	153	20
Visayas	2024	12	3	8	75	153	153	20
Visayas	2024	12	3	9	91	153	153	20
Visayas	2024	12	3	10	98	153	153	20
Visayas	2024	12	3	11	101	153	153	20
Visayas	2024	12	3	12	97	153	153	20
Visayas	2024	12	3	13	97	153	153	20
Visayas	2024	12	3	14	104	153	153	20
Visayas	2024	12	3	15	102	153	153	20
Visayas	2024	12	3	16	98	153	153	20
Visayas	2024	12	3	17	95	153	153	20
Visayas	2024	12	3	18	102	153	153	20
Visayas	2024	12	3	19	96	153	153	20
Visayas	2024	12	3	20	93	153	153	20
Visayas	2024	12	3	21	86	153	153	20
Visayas	2024	12	3	22	80	153	153	20
Visayas	2024	12	3	23	74	153	153	20
Visayas	2024	12	3	24	70	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	4	1	66	153	153	20
Visayas	2024	12	4	2	63	153	153	20
Visayas	2024	12	4	3	60	153	153	20
Visayas	2024	12	4	4	60	153	153	20
Visayas	2024	12	4	5	63	153	153	20
Visayas	2024	12	4	6	68	153	153	20
Visayas	2024	12	4	7	63	153	153	20
Visayas	2024	12	4	8	73	153	153	20
Visayas	2024	12	4	9	90	153	153	20
Visayas	2024	12	4	10	95	153	153	20
Visayas	2024	12	4	11	102	153	153	20
Visayas	2024	12	4	12	98	153	153	20
Visayas	2024	12	4	13	98	153	153	20
Visayas	2024	12	4	14	104	153	153	20
Visayas	2024	12	4	15	103	153	153	20
Visayas	2024	12	4	16	100	153	153	20
Visayas	2024	12	4	17	96	153	153	20
Visayas	2024	12	4	18	102	153	153	20
Visayas	2024	12	4	19	97	153	153	20
Visayas	2024	12	4	20	92	153	153	20
Visayas	2024	12	4	21	88	153	153	20
Visayas	2024	12	4	22	82	153	153	20
Visayas	2024	12	4	23	76	153	153	20
Visayas	2024	12	4	24	72	153	153	20
Visayas	2024	12	5	1	64	153	153	20
Visayas	2024	12	5	2	58	153	153	20
Visayas	2024	12	5	3	57	153	153	20
Visayas	2024	12	5	4	58	153	153	20
Visayas	2024	12	5	5	60	153	153	20
Visayas	2024	12	5	6	66	153	153	20
Visayas	2024	12	5	7	63	153	153	20
Visayas	2024	12	5	8	74	153	153	20
Visayas	2024	12	5	9	89	153	153	20
Visayas	2024	12	5	10	98	153	153	20
Visayas	2024	12	5	11	104	153	153	20
Visayas	2024	12	5	12	99	153	153	20
Visayas	2024	12	5	13	103	153	153	20
Visayas	2024	12	5	14	105	153	153	20
Visayas	2024	12	5	15	105	153	153	20
Visayas	2024	12	5	16	103	153	153	20
Visayas	2024	12	5	17	99	153	153	20
Visayas	2024	12	5	18	106	153	153	20
Visayas	2024	12	5	19	99	153	153	20
Visayas	2024	12	5	20	95	153	153	20
Visayas	2024	12	5	21	91	153	153	20
Visayas	2024	12	5	22	84	153	153	20
Visayas	2024	12	5	23	77	153	153	20
Visayas	2024	12	5	24	73	153	153	20
Visayas	2024	12	6	1	63	153	153	20
Visayas	2024	12	6	2	60	153	153	20
Visayas	2024	12	6	3	59	153	153	20
Visayas	2024	12	6	4	59	153	153	20
Visayas	2024	12	6	5	62	153	153	20
Visayas	2024	12	6	6	68	153	153	20
Visayas	2024	12	6	7	67	153	153	20
Visayas	2024	12	6	8	74	153	153	20
Visayas	2024	12	6	9	86	153	153	20
Visayas	2024	12	6	10	95	153	153	20
Visayas	2024	12	6	11	97	153	153	20
Visayas	2024	12	6	12	93	153	153	20
Visayas	2024	12	6	13	90	153	153	20
Visayas	2024	12	6	14	94	153	153	20
Visayas	2024	12	6	15	93	153	153	20
Visayas	2024	12	6	16	91	153	153	20
Visayas	2024	12	6	17	91	153	153	20
Visayas	2024	12	6	18	98	153	153	20
Visayas	2024	12	6	19	90	153	153	20
Visayas	2024	12	6	20	86	153	153	20
Visayas	2024	12	6	21	82	153	153	20
Visayas	2024	12	6	22	74	153	153	20
Visayas	2024	12	6	23	69	153	153	20
Visayas	2024	12	6	24	64	153	153	20
Visayas	2024	12	7	1	61	153	153	20
Visayas	2024	12	7	2	59	153	153	20
Visayas	2024	12	7	3	58	153	153	20
Visayas	2024	12	7	4	57	153	153	20
Visayas	2024	12	7	5	58	153	153	20
Visayas	2024	12	7	6	61	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	7	7	63	153	153	20
Visayas	2024	12	7	8	68	153	153	20
Visayas	2024	12	7	9	78	153	153	20
Visayas	2024	12	7	10	84	153	153	20
Visayas	2024	12	7	11	88	153	153	20
Visayas	2024	12	7	12	85	153	153	20
Visayas	2024	12	7	13	85	153	153	20
Visayas	2024	12	7	14	90	153	153	20
Visayas	2024	12	7	15	87	153	153	20
Visayas	2024	12	7	16	85	153	153	20
Visayas	2024	12	7	17	85	153	153	20
Visayas	2024	12	7	18	96	153	153	20
Visayas	2024	12	7	19	89	153	153	20
Visayas	2024	12	7	20	85	153	153	20
Visayas	2024	12	7	21	81	153	153	20
Visayas	2024	12	7	22	75	153	153	20
Visayas	2024	12	7	23	69	153	153	20
Visayas	2024	12	7	24	65	153	153	20
Visayas	2024	12	8	1	68	153	153	20
Visayas	2024	12	8	2	65	153	153	20
Visayas	2024	12	8	3	62	153	153	20
Visayas	2024	12	8	4	61	153	153	20
Visayas	2024	12	8	5	63	153	153	20
Visayas	2024	12	8	6	64	153	153	20
Visayas	2024	12	8	7	64	153	153	20
Visayas	2024	12	8	8	71	153	153	20
Visayas	2024	12	8	9	81	153	153	20
Visayas	2024	12	8	10	86	153	153	20
Visayas	2024	12	8	11	88	153	153	20
Visayas	2024	12	8	12	87	153	153	20
Visayas	2024	12	8	13	87	153	153	20
Visayas	2024	12	8	14	91	153	153	20
Visayas	2024	12	8	15	89	153	153	20
Visayas	2024	12	8	16	87	153	153	20
Visayas	2024	12	8	17	87	153	153	20
Visayas	2024	12	8	18	98	153	153	20
Visayas	2024	12	8	19	93	153	153	20
Visayas	2024	12	8	20	87	153	153	20
Visayas	2024	12	8	21	83	153	153	20
Visayas	2024	12	8	22	78	153	153	20
Visayas	2024	12	8	23	71	153	153	20
Visayas	2024	12	8	24	67	153	153	20
Visayas	2024	12	9	1	62	153	153	20
Visayas	2024	12	9	2	58	153	153	20
Visayas	2024	12	9	3	56	153	153	20
Visayas	2024	12	9	4	56	153	153	20
Visayas	2024	12	9	5	59	153	153	20
Visayas	2024	12	9	6	65	153	153	20
Visayas	2024	12	9	7	61	153	153	20
Visayas	2024	12	9	8	74	153	153	20
Visayas	2024	12	9	9	88	153	153	20
Visayas	2024	12	9	10	97	153	153	20
Visayas	2024	12	9	11	101	153	153	20
Visayas	2024	12	9	12	97	153	153	20
Visayas	2024	12	9	13	98	153	153	20
Visayas	2024	12	9	14	105	153	153	20
Visayas	2024	12	9	15	103	153	153	20
Visayas	2024	12	9	16	102	153	153	20
Visayas	2024	12	9	17	96	153	153	20
Visayas	2024	12	9	18	104	153	153	20
Visayas	2024	12	9	19	97	153	153	20
Visayas	2024	12	9	20	93	153	153	20
Visayas	2024	12	9	21	86	153	153	20
Visayas	2024	12	9	22	81	153	153	20
Visayas	2024	12	9	23	75	153	153	20
Visayas	2024	12	9	24	70	153	153	20
Visayas	2024	12	10	1	67	153	153	20
Visayas	2024	12	10	2	64	153	153	20
Visayas	2024	12	10	3	62	153	153	20
Visayas	2024	12	10	4	61	153	153	20
Visayas	2024	12	10	5	64	153	153	20
Visayas	2024	12	10	6	68	153	153	20
Visayas	2024	12	10	7	65	153	153	20
Visayas	2024	12	10	8	76	153	153	20
Visayas	2024	12	10	9	93	153	153	20
Visayas	2024	12	10	10	99	153	153	20
Visayas	2024	12	10	11	103	153	153	20
Visayas	2024	12	10	12	99	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	10	13	100	153	153	20
Visayas	2024	12	10	14	106	153	153	20
Visayas	2024	12	10	15	106	153	153	20
Visayas	2024	12	10	16	104	153	153	20
Visayas	2024	12	10	17	98	153	153	20
Visayas	2024	12	10	18	106	153	153	20
Visayas	2024	12	10	19	101	153	153	20
Visayas	2024	12	10	20	96	153	153	20
Visayas	2024	12	10	21	92	153	153	20
Visayas	2024	12	10	22	83	153	153	20
Visayas	2024	12	10	23	78	153	153	20
Visayas	2024	12	10	24	73	153	153	20
Visayas	2024	12	11	1	70	153	153	20
Visayas	2024	12	11	2	67	153	153	20
Visayas	2024	12	11	3	64	153	153	20
Visayas	2024	12	11	4	64	153	153	20
Visayas	2024	12	11	5	67	153	153	20
Visayas	2024	12	11	6	71	153	153	20
Visayas	2024	12	11	7	68	153	153	20
Visayas	2024	12	11	8	77	153	153	20
Visayas	2024	12	11	9	92	153	153	20
Visayas	2024	12	11	10	101	153	153	20
Visayas	2024	12	11	11	105	153	153	20
Visayas	2024	12	11	12	100	153	153	20
Visayas	2024	12	11	13	102	153	153	20
Visayas	2024	12	11	14	106	153	153	20
Visayas	2024	12	11	15	103	153	153	20
Visayas	2024	12	11	16	101	153	153	20
Visayas	2024	12	11	17	99	153	153	20
Visayas	2024	12	11	18	106	153	153	20
Visayas	2024	12	11	19	101	153	153	20
Visayas	2024	12	11	20	96	153	153	20
Visayas	2024	12	11	21	92	153	153	20
Visayas	2024	12	11	22	85	153	153	20
Visayas	2024	12	11	23	78	153	153	20
Visayas	2024	12	11	24	74	153	153	20
Visayas	2024	12	12	1	71	153	153	20
Visayas	2024	12	12	2	68	153	153	20
Visayas	2024	12	12	3	66	153	153	20
Visayas	2024	12	12	4	64	153	153	20
Visayas	2024	12	12	5	66	153	153	20
Visayas	2024	12	12	6	71	153	153	20
Visayas	2024	12	12	7	70	153	153	20
Visayas	2024	12	12	8	78	153	153	20
Visayas	2024	12	12	9	93	153	153	20
Visayas	2024	12	12	10	101	153	153	20
Visayas	2024	12	12	11	105	153	153	20
Visayas	2024	12	12	12	102	153	153	20
Visayas	2024	12	12	13	102	153	153	20
Visayas	2024	12	12	14	107	153	153	20
Visayas	2024	12	12	15	106	153	153	20
Visayas	2024	12	12	16	104	153	153	20
Visayas	2024	12	12	17	100	153	153	20
Visayas	2024	12	12	18	105	153	153	20
Visayas	2024	12	12	19	98	153	153	20
Visayas	2024	12	12	20	93	153	153	20
Visayas	2024	12	12	21	91	153	153	20
Visayas	2024	12	12	22	83	153	153	20
Visayas	2024	12	12	23	78	153	153	20
Visayas	2024	12	12	24	73	153	153	20
Visayas	2024	12	13	1	69	153	153	20
Visayas	2024	12	13	2	66	153	153	20
Visayas	2024	12	13	3	63	153	153	20
Visayas	2024	12	13	4	64	153	153	20
Visayas	2024	12	13	5	63	153	153	20
Visayas	2024	12	13	6	67	153	153	20
Visayas	2024	12	13	7	68	153	153	20
Visayas	2024	12	13	8	74	153	153	20
Visayas	2024	12	13	9	90	153	153	20
Visayas	2024	12	13	10	99	153	153	20
Visayas	2024	12	13	11	100	153	153	20
Visayas	2024	12	13	12	99	153	153	20
Visayas	2024	12	13	13	99	153	153	20
Visayas	2024	12	13	14	104	153	153	20
Visayas	2024	12	13	15	101	153	153	20
Visayas	2024	12	13	16	100	153	153	20
Visayas	2024	12	13	17	96	153	153	20
Visayas	2024	12	13	18	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	13	19	97	153	153	20
Visayas	2024	12	13	20	95	153	153	20
Visayas	2024	12	13	21	91	153	153	20
Visayas	2024	12	13	22	84	153	153	20
Visayas	2024	12	13	23	78	153	153	20
Visayas	2024	12	13	24	72	153	153	20
Visayas	2024	12	14	1	70	153	153	20
Visayas	2024	12	14	2	66	153	153	20
Visayas	2024	12	14	3	64	153	153	20
Visayas	2024	12	14	4	62	153	153	20
Visayas	2024	12	14	5	63	153	153	20
Visayas	2024	12	14	6	64	153	153	20
Visayas	2024	12	14	7	65	153	153	20
Visayas	2024	12	14	8	70	153	153	20
Visayas	2024	12	14	9	79	153	153	20
Visayas	2024	12	14	10	87	153	153	20
Visayas	2024	12	14	11	90	153	153	20
Visayas	2024	12	14	12	88	153	153	20
Visayas	2024	12	14	13	87	153	153	20
Visayas	2024	12	14	14	87	153	153	20
Visayas	2024	12	14	15	89	153	153	20
Visayas	2024	12	14	16	86	153	153	20
Visayas	2024	12	14	17	88	153	153	20
Visayas	2024	12	14	18	103	153	153	20
Visayas	2024	12	14	19	98	153	153	20
Visayas	2024	12	14	20	92	153	153	20
Visayas	2024	12	14	21	88	153	153	20
Visayas	2024	12	14	22	83	153	153	20
Visayas	2024	12	14	23	77	153	153	20
Visayas	2024	12	14	24	72	153	153	20
Visayas	2024	12	15	1	69	153	153	20
Visayas	2024	12	15	2	66	153	153	20
Visayas	2024	12	15	3	64	153	153	20
Visayas	2024	12	15	4	62	153	153	20
Visayas	2024	12	15	5	61	153	153	20
Visayas	2024	12	15	6	63	153	153	20
Visayas	2024	12	15	7	62	153	153	20
Visayas	2024	12	15	8	66	153	153	20
Visayas	2024	12	15	9	72	153	153	20
Visayas	2024	12	15	10	76	153	153	20
Visayas	2024	12	15	11	77	153	153	20
Visayas	2024	12	15	12	76	153	153	20
Visayas	2024	12	15	13	75	153	153	20
Visayas	2024	12	15	14	76	153	153	20
Visayas	2024	12	15	15	77	153	153	20
Visayas	2024	12	15	16	76	153	153	20
Visayas	2024	12	15	17	78	153	153	20
Visayas	2024	12	15	18	93	153	153	20
Visayas	2024	12	15	19	85	153	153	20
Visayas	2024	12	15	20	81	153	153	20
Visayas	2024	12	15	21	79	153	153	20
Visayas	2024	12	15	22	74	153	153	20
Visayas	2024	12	15	23	69	153	153	20
Visayas	2024	12	15	24	65	153	153	20
Visayas	2024	12	16	1	61	153	153	20
Visayas	2024	12	16	2	59	153	153	20
Visayas	2024	12	16	3	56	153	153	20
Visayas	2024	12	16	4	56	153	153	20
Visayas	2024	12	16	5	57	153	153	20
Visayas	2024	12	16	6	59	153	153	20
Visayas	2024	12	16	7	63	153	153	20
Visayas	2024	12	16	8	72	153	153	20
Visayas	2024	12	16	9	85	153	153	20
Visayas	2024	12	16	10	93	153	153	20
Visayas	2024	12	16	11	96	153	153	20
Visayas	2024	12	16	12	96	153	153	20
Visayas	2024	12	16	13	94	153	153	20
Visayas	2024	12	16	14	100	153	153	20
Visayas	2024	12	16	15	99	153	153	20
Visayas	2024	12	16	16	96	153	153	20
Visayas	2024	12	16	17	93	153	153	20
Visayas	2024	12	16	18	100	153	153	20
Visayas	2024	12	16	19	95	153	153	20
Visayas	2024	12	16	20	91	153	153	20
Visayas	2024	12	16	21	86	153	153	20
Visayas	2024	12	16	22	80	153	153	20
Visayas	2024	12	16	23	74	153	153	20
Visayas	2024	12	16	24	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	17	1	66	153	153	20
Visayas	2024	12	17	2	64	153	153	20
Visayas	2024	12	17	3	61	153	153	20
Visayas	2024	12	17	4	61	153	153	20
Visayas	2024	12	17	5	61	153	153	20
Visayas	2024	12	17	6	63	153	153	20
Visayas	2024	12	17	7	67	153	153	20
Visayas	2024	12	17	8	74	153	153	20
Visayas	2024	12	17	9	88	153	153	20
Visayas	2024	12	17	10	92	153	153	20
Visayas	2024	12	17	11	98	153	153	20
Visayas	2024	12	17	12	94	153	153	20
Visayas	2024	12	17	13	93	153	153	20
Visayas	2024	12	17	14	98	153	153	20
Visayas	2024	12	17	15	95	153	153	20
Visayas	2024	12	17	16	93	153	153	20
Visayas	2024	12	17	17	92	153	153	20
Visayas	2024	12	17	18	101	153	153	20
Visayas	2024	12	17	19	95	153	153	20
Visayas	2024	12	17	20	89	153	153	20
Visayas	2024	12	17	21	84	153	153	20
Visayas	2024	12	17	22	79	153	153	20
Visayas	2024	12	17	23	72	153	153	20
Visayas	2024	12	17	24	68	153	153	20
Visayas	2024	12	18	1	65	153	153	20
Visayas	2024	12	18	2	62	153	153	20
Visayas	2024	12	18	3	60	153	153	20
Visayas	2024	12	18	4	59	153	153	20
Visayas	2024	12	18	5	60	153	153	20
Visayas	2024	12	18	6	62	153	153	20
Visayas	2024	12	18	7	66	153	153	20
Visayas	2024	12	18	8	74	153	153	20
Visayas	2024	12	18	9	87	153	153	20
Visayas	2024	12	18	10	94	153	153	20
Visayas	2024	12	18	11	97	153	153	20
Visayas	2024	12	18	12	97	153	153	20
Visayas	2024	12	18	13	96	153	153	20
Visayas	2024	12	18	14	101	153	153	20
Visayas	2024	12	18	15	100	153	153	20
Visayas	2024	12	18	16	97	153	153	20
Visayas	2024	12	18	17	94	153	153	20
Visayas	2024	12	18	18	102	153	153	20
Visayas	2024	12	18	19	97	153	153	20
Visayas	2024	12	18	20	94	153	153	20
Visayas	2024	12	18	21	87	153	153	20
Visayas	2024	12	18	22	80	153	153	20
Visayas	2024	12	18	23	75	153	153	20
Visayas	2024	12	18	24	71	153	153	20
Visayas	2024	12	19	1	67	153	153	20
Visayas	2024	12	19	2	64	153	153	20
Visayas	2024	12	19	3	62	153	153	20
Visayas	2024	12	19	4	62	153	153	20
Visayas	2024	12	19	5	61	153	153	20
Visayas	2024	12	19	6	65	153	153	20
Visayas	2024	12	19	7	66	153	153	20
Visayas	2024	12	19	8	73	153	153	20
Visayas	2024	12	19	9	85	153	153	20
Visayas	2024	12	19	10	91	153	153	20
Visayas	2024	12	19	11	96	153	153	20
Visayas	2024	12	19	12	92	153	153	20
Visayas	2024	12	19	13	91	153	153	20
Visayas	2024	12	19	14	93	153	153	20
Visayas	2024	12	19	15	94	153	153	20
Visayas	2024	12	19	16	93	153	153	20
Visayas	2024	12	19	17	91	153	153	20
Visayas	2024	12	19	18	99	153	153	20
Visayas	2024	12	19	19	93	153	153	20
Visayas	2024	12	19	20	90	153	153	20
Visayas	2024	12	19	21	87	153	153	20
Visayas	2024	12	19	22	79	153	153	20
Visayas	2024	12	19	23	73	153	153	20
Visayas	2024	12	19	24	69	153	153	20
Visayas	2024	12	20	1	65	153	153	20
Visayas	2024	12	20	2	63	153	153	20
Visayas	2024	12	20	3	61	153	153	20
Visayas	2024	12	20	4	60	153	153	20
Visayas	2024	12	20	5	60	153	153	20
Visayas	2024	12	20	6	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	20	7	64	153	153	20
Visayas	2024	12	20	8	71	153	153	20
Visayas	2024	12	20	9	82	153	153	20
Visayas	2024	12	20	10	89	153	153	20
Visayas	2024	12	20	11	93	153	153	20
Visayas	2024	12	20	12	89	153	153	20
Visayas	2024	12	20	13	88	153	153	20
Visayas	2024	12	20	14	90	153	153	20
Visayas	2024	12	20	15	90	153	153	20
Visayas	2024	12	20	16	87	153	153	20
Visayas	2024	12	20	17	85	153	153	20
Visayas	2024	12	20	18	93	153	153	20
Visayas	2024	12	20	19	88	153	153	20
Visayas	2024	12	20	20	82	153	153	20
Visayas	2024	12	20	21	79	153	153	20
Visayas	2024	12	20	22	73	153	153	20
Visayas	2024	12	20	23	68	153	153	20
Visayas	2024	12	20	24	63	153	153	20
Visayas	2024	12	21	1	70	153	153	20
Visayas	2024	12	21	2	66	153	153	20
Visayas	2024	12	21	3	64	153	153	20
Visayas	2024	12	21	4	62	153	153	20
Visayas	2024	12	21	5	63	153	153	20
Visayas	2024	12	21	6	64	153	153	20
Visayas	2024	12	21	7	65	153	153	20
Visayas	2024	12	21	8	70	153	153	20
Visayas	2024	12	21	9	79	153	153	20
Visayas	2024	12	21	10	87	153	153	20
Visayas	2024	12	21	11	90	153	153	20
Visayas	2024	12	21	12	88	153	153	20
Visayas	2024	12	21	13	87	153	153	20
Visayas	2024	12	21	14	87	153	153	20
Visayas	2024	12	21	15	89	153	153	20
Visayas	2024	12	21	16	86	153	153	20
Visayas	2024	12	21	17	88	153	153	20
Visayas	2024	12	21	18	103	153	153	20
Visayas	2024	12	21	19	98	153	153	20
Visayas	2024	12	21	20	92	153	153	20
Visayas	2024	12	21	21	88	153	153	20
Visayas	2024	12	21	22	83	153	153	20
Visayas	2024	12	21	23	77	153	153	20
Visayas	2024	12	21	24	72	153	153	20
Visayas	2024	12	22	1	69	153	153	20
Visayas	2024	12	22	2	66	153	153	20
Visayas	2024	12	22	3	64	153	153	20
Visayas	2024	12	22	4	62	153	153	20
Visayas	2024	12	22	5	61	153	153	20
Visayas	2024	12	22	6	63	153	153	20
Visayas	2024	12	22	7	62	153	153	20
Visayas	2024	12	22	8	66	153	153	20
Visayas	2024	12	22	9	72	153	153	20
Visayas	2024	12	22	10	76	153	153	20
Visayas	2024	12	22	11	77	153	153	20
Visayas	2024	12	22	12	76	153	153	20
Visayas	2024	12	22	13	75	153	153	20
Visayas	2024	12	22	14	76	153	153	20
Visayas	2024	12	22	15	77	153	153	20
Visayas	2024	12	22	16	76	153	153	20
Visayas	2024	12	22	17	78	153	153	20
Visayas	2024	12	22	18	93	153	153	20
Visayas	2024	12	22	19	85	153	153	20
Visayas	2024	12	22	20	81	153	153	20
Visayas	2024	12	22	21	79	153	153	20
Visayas	2024	12	22	22	74	153	153	20
Visayas	2024	12	22	23	69	153	153	20
Visayas	2024	12	22	24	65	153	153	20
Visayas	2024	12	23	1	50	153	153	20
Visayas	2024	12	23	2	48	153	153	20
Visayas	2024	12	23	3	47	153	153	20
Visayas	2024	12	23	4	47	153	153	20
Visayas	2024	12	23	5	48	153	153	20
Visayas	2024	12	23	6	49	153	153	20
Visayas	2024	12	23	7	53	153	153	20
Visayas	2024	12	23	8	56	153	153	20
Visayas	2024	12	23	9	62	153	153	20
Visayas	2024	12	23	10	66	153	153	20
Visayas	2024	12	23	11	68	153	153	20
Visayas	2024	12	23	12	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	23	13	66	153	153	20
Visayas	2024	12	23	14	68	153	153	20
Visayas	2024	12	23	15	67	153	153	20
Visayas	2024	12	23	16	69	153	153	20
Visayas	2024	12	23	17	71	153	153	20
Visayas	2024	12	23	18	82	153	153	20
Visayas	2024	12	23	19	77	153	153	20
Visayas	2024	12	23	20	72	153	153	20
Visayas	2024	12	23	21	67	153	153	20
Visayas	2024	12	23	22	61	153	153	20
Visayas	2024	12	23	23	57	153	153	20
Visayas	2024	12	23	24	54	153	153	20
Visayas	2024	12	24	1	59	153	153	20
Visayas	2024	12	24	2	57	153	153	20
Visayas	2024	12	24	3	55	153	153	20
Visayas	2024	12	24	4	55	153	153	20
Visayas	2024	12	24	5	54	153	153	20
Visayas	2024	12	24	6	54	153	153	20
Visayas	2024	12	24	7	57	153	153	20
Visayas	2024	12	24	8	60	153	153	20
Visayas	2024	12	24	9	65	153	153	20
Visayas	2024	12	24	10	66	153	153	20
Visayas	2024	12	24	11	68	153	153	20
Visayas	2024	12	24	12	67	153	153	20
Visayas	2024	12	24	13	65	153	153	20
Visayas	2024	12	24	14	66	153	153	20
Visayas	2024	12	24	15	66	153	153	20
Visayas	2024	12	24	16	66	153	153	20
Visayas	2024	12	24	17	69	153	153	20
Visayas	2024	12	24	18	80	153	153	20
Visayas	2024	12	24	19	74	153	153	20
Visayas	2024	12	24	20	68	153	153	20
Visayas	2024	12	24	21	64	153	153	20
Visayas	2024	12	24	22	60	153	153	20
Visayas	2024	12	24	23	58	153	153	20
Visayas	2024	12	24	24	57	153	153	20
Visayas	2024	12	25	1	55	153	153	20
Visayas	2024	12	25	2	53	153	153	20
Visayas	2024	12	25	3	51	153	153	20
Visayas	2024	12	25	4	50	153	153	20
Visayas	2024	12	25	5	49	153	153	20
Visayas	2024	12	25	6	49	153	153	20
Visayas	2024	12	25	7	52	153	153	20
Visayas	2024	12	25	8	52	153	153	20
Visayas	2024	12	25	9	53	153	153	20
Visayas	2024	12	25	10	54	153	153	20
Visayas	2024	12	25	11	55	153	153	20
Visayas	2024	12	25	12	55	153	153	20
Visayas	2024	12	25	13	55	153	153	20
Visayas	2024	12	25	14	54	153	153	20
Visayas	2024	12	25	15	55	153	153	20
Visayas	2024	12	25	16	55	153	153	20
Visayas	2024	12	25	17	58	153	153	20
Visayas	2024	12	25	18	70	153	153	20
Visayas	2024	12	25	19	67	153	153	20
Visayas	2024	12	25	20	65	153	153	20
Visayas	2024	12	25	21	60	153	153	20
Visayas	2024	12	25	22	56	153	153	20
Visayas	2024	12	25	23	53	153	153	20
Visayas	2024	12	25	24	51	153	153	20
Visayas	2024	12	26	1	56	153	153	20
Visayas	2024	12	26	2	54	153	153	20
Visayas	2024	12	26	3	52	153	153	20
Visayas	2024	12	26	4	52	153	153	20
Visayas	2024	12	26	5	54	153	153	20
Visayas	2024	12	26	6	56	153	153	20
Visayas	2024	12	26	7	59	153	153	20
Visayas	2024	12	26	8	65	153	153	20
Visayas	2024	12	26	9	76	153	153	20
Visayas	2024	12	26	10	82	153	153	20
Visayas	2024	12	26	11	85	153	153	20
Visayas	2024	12	26	12	83	153	153	20
Visayas	2024	12	26	13	83	153	153	20
Visayas	2024	12	26	14	86	153	153	20
Visayas	2024	12	26	15	87	153	153	20
Visayas	2024	12	26	16	86	153	153	20
Visayas	2024	12	26	17	85	153	153	20
Visayas	2024	12	26	18	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	26	19	91	153	153	20
Visayas	2024	12	26	20	85	153	153	20
Visayas	2024	12	26	21	80	153	153	20
Visayas	2024	12	26	22	74	153	153	20
Visayas	2024	12	26	23	68	153	153	20
Visayas	2024	12	26	24	65	153	153	20
Visayas	2024	12	27	1	65	153	153	20
Visayas	2024	12	27	2	63	153	153	20
Visayas	2024	12	27	3	61	153	153	20
Visayas	2024	12	27	4	60	153	153	20
Visayas	2024	12	27	5	60	153	153	20
Visayas	2024	12	27	6	62	153	153	20
Visayas	2024	12	27	7	64	153	153	20
Visayas	2024	12	27	8	71	153	153	20
Visayas	2024	12	27	9	82	153	153	20
Visayas	2024	12	27	10	89	153	153	20
Visayas	2024	12	27	11	93	153	153	20
Visayas	2024	12	27	12	89	153	153	20
Visayas	2024	12	27	13	88	153	153	20
Visayas	2024	12	27	14	90	153	153	20
Visayas	2024	12	27	15	90	153	153	20
Visayas	2024	12	27	16	87	153	153	20
Visayas	2024	12	27	17	85	153	153	20
Visayas	2024	12	27	18	93	153	153	20
Visayas	2024	12	27	19	88	153	153	20
Visayas	2024	12	27	20	82	153	153	20
Visayas	2024	12	27	21	79	153	153	20
Visayas	2024	12	27	22	73	153	153	20
Visayas	2024	12	27	23	68	153	153	20
Visayas	2024	12	27	24	63	153	153	20
Visayas	2024	12	28	1	70	153	153	20
Visayas	2024	12	28	2	66	153	153	20
Visayas	2024	12	28	3	64	153	153	20
Visayas	2024	12	28	4	62	153	153	20
Visayas	2024	12	28	5	63	153	153	20
Visayas	2024	12	28	6	64	153	153	20
Visayas	2024	12	28	7	65	153	153	20
Visayas	2024	12	28	8	70	153	153	20
Visayas	2024	12	28	9	79	153	153	20
Visayas	2024	12	28	10	87	153	153	20
Visayas	2024	12	28	11	90	153	153	20
Visayas	2024	12	28	12	88	153	153	20
Visayas	2024	12	28	13	87	153	153	20
Visayas	2024	12	28	14	87	153	153	20
Visayas	2024	12	28	15	89	153	153	20
Visayas	2024	12	28	16	86	153	153	20
Visayas	2024	12	28	17	88	153	153	20
Visayas	2024	12	28	18	103	153	153	20
Visayas	2024	12	28	19	98	153	153	20
Visayas	2024	12	28	20	92	153	153	20
Visayas	2024	12	28	21	88	153	153	20
Visayas	2024	12	28	22	83	153	153	20
Visayas	2024	12	28	23	77	153	153	20
Visayas	2024	12	28	24	72	153	153	20
Visayas	2024	12	29	1	69	153	153	20
Visayas	2024	12	29	2	66	153	153	20
Visayas	2024	12	29	3	64	153	153	20
Visayas	2024	12	29	4	62	153	153	20
Visayas	2024	12	29	5	61	153	153	20
Visayas	2024	12	29	6	63	153	153	20
Visayas	2024	12	29	7	62	153	153	20
Visayas	2024	12	29	8	66	153	153	20
Visayas	2024	12	29	9	72	153	153	20
Visayas	2024	12	29	10	76	153	153	20
Visayas	2024	12	29	11	77	153	153	20
Visayas	2024	12	29	12	76	153	153	20
Visayas	2024	12	29	13	75	153	153	20
Visayas	2024	12	29	14	76	153	153	20
Visayas	2024	12	29	15	77	153	153	20
Visayas	2024	12	29	16	76	153	153	20
Visayas	2024	12	29	17	78	153	153	20
Visayas	2024	12	29	18	93	153	153	20
Visayas	2024	12	29	19	85	153	153	20
Visayas	2024	12	29	20	81	153	153	20
Visayas	2024	12	29	21	79	153	153	20
Visayas	2024	12	29	22	74	153	153	20
Visayas	2024	12	29	23	69	153	153	20
Visayas	2024	12	29	24	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2024	12	30	1	61	153	153	20
Visayas	2024	12	30	2	58	153	153	20
Visayas	2024	12	30	3	56	153	153	20
Visayas	2024	12	30	4	56	153	153	20
Visayas	2024	12	30	5	56	153	153	20
Visayas	2024	12	30	6	56	153	153	20
Visayas	2024	12	30	7	57	153	153	20
Visayas	2024	12	30	8	59	153	153	20
Visayas	2024	12	30	9	68	153	153	20
Visayas	2024	12	30	10	75	153	153	20
Visayas	2024	12	30	11	78	153	153	20
Visayas	2024	12	30	12	77	153	153	20
Visayas	2024	12	30	13	80	153	153	20
Visayas	2024	12	30	14	81	153	153	20
Visayas	2024	12	30	15	81	153	153	20
Visayas	2024	12	30	16	81	153	153	20
Visayas	2024	12	30	17	80	153	153	20
Visayas	2024	12	30	18	94	153	153	20
Visayas	2024	12	30	19	90	153	153	20
Visayas	2024	12	30	20	87	153	153	20
Visayas	2024	12	30	21	84	153	153	20
Visayas	2024	12	30	22	79	153	153	20
Visayas	2024	12	30	23	73	153	153	20
Visayas	2024	12	30	24	68	153	153	20
Visayas	2024	12	31	1	64	153	153	20
Visayas	2024	12	31	2	60	153	153	20
Visayas	2024	12	31	3	59	153	153	20
Visayas	2024	12	31	4	57	153	153	20
Visayas	2024	12	31	5	57	153	153	20
Visayas	2024	12	31	6	58	153	153	20
Visayas	2024	12	31	7	59	153	153	20
Visayas	2024	12	31	8	64	153	153	20
Visayas	2024	12	31	9	71	153	153	20
Visayas	2024	12	31	10	75	153	153	20
Visayas	2024	12	31	11	77	153	153	20
Visayas	2024	12	31	12	79	153	153	20
Visayas	2024	12	31	13	80	153	153	20
Visayas	2024	12	31	14	82	153	153	20
Visayas	2024	12	31	15	81	153	153	20
Visayas	2024	12	31	16	79	153	153	20
Visayas	2024	12	31	17	80	153	153	20
Visayas	2024	12	31	18	91	153	153	20
Visayas	2024	12	31	19	89	153	153	20
Visayas	2024	12	31	20	81	153	153	20
Visayas	2024	12	31	21	80	153	153	20
Visayas	2024	12	31	22	78	153	153	20
Visayas	2024	12	31	23	78	153	153	20
Visayas	2024	12	31	24	78	153	153	20
Visayas	2025	1	1	1	70	153	153	20
Visayas	2025	1	1	2	65	153	153	20
Visayas	2025	1	1	3	60	153	153	20
Visayas	2025	1	1	4	57	153	153	20
Visayas	2025	1	1	5	55	153	153	20
Visayas	2025	1	1	6	53	153	153	20
Visayas	2025	1	1	7	53	153	153	20
Visayas	2025	1	1	8	54	153	153	20
Visayas	2025	1	1	9	55	153	153	20
Visayas	2025	1	1	10	57	153	153	20
Visayas	2025	1	1	11	59	153	153	20
Visayas	2025	1	1	12	61	153	153	20
Visayas	2025	1	1	13	61	153	153	20
Visayas	2025	1	1	14	62	153	153	20
Visayas	2025	1	1	15	62	153	153	20
Visayas	2025	1	1	16	60	153	153	20
Visayas	2025	1	1	17	61	153	153	20
Visayas	2025	1	1	18	77	153	153	20
Visayas	2025	1	1	19	77	153	153	20
Visayas	2025	1	1	20	75	153	153	20
Visayas	2025	1	1	21	72	153	153	20
Visayas	2025	1	1	22	67	153	153	20
Visayas	2025	1	1	23	63	153	153	20
Visayas	2025	1	1	24	62	153	153	20
Visayas	2025	1	2	1	69	153	153	20
Visayas	2025	1	2	2	66	153	153	20
Visayas	2025	1	2	3	63	153	153	20
Visayas	2025	1	2	4	63	153	153	20
Visayas	2025	1	2	5	62	153	153	20
Visayas	2025	1	2	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	2	7	67	153	153	20
Visayas	2025	1	2	8	76	153	153	20
Visayas	2025	1	2	9	86	153	153	20
Visayas	2025	1	2	10	89	153	153	20
Visayas	2025	1	2	11	93	153	153	20
Visayas	2025	1	2	12	89	153	153	20
Visayas	2025	1	2	13	90	153	153	20
Visayas	2025	1	2	14	93	153	153	20
Visayas	2025	1	2	15	91	153	153	20
Visayas	2025	1	2	16	92	153	153	20
Visayas	2025	1	2	17	89	153	153	20
Visayas	2025	1	2	18	95	153	153	20
Visayas	2025	1	2	19	92	153	153	20
Visayas	2025	1	2	20	89	153	153	20
Visayas	2025	1	2	21	85	153	153	20
Visayas	2025	1	2	22	78	153	153	20
Visayas	2025	1	2	23	73	153	153	20
Visayas	2025	1	2	24	69	153	153	20
Visayas	2025	1	3	1	64	153	153	20
Visayas	2025	1	3	2	62	153	153	20
Visayas	2025	1	3	3	60	153	153	20
Visayas	2025	1	3	4	59	153	153	20
Visayas	2025	1	3	5	60	153	153	20
Visayas	2025	1	3	6	62	153	153	20
Visayas	2025	1	3	7	66	153	153	20
Visayas	2025	1	3	8	73	153	153	20
Visayas	2025	1	3	9	85	153	153	20
Visayas	2025	1	3	10	91	153	153	20
Visayas	2025	1	3	11	93	153	153	20
Visayas	2025	1	3	12	89	153	153	20
Visayas	2025	1	3	13	88	153	153	20
Visayas	2025	1	3	14	91	153	153	20
Visayas	2025	1	3	15	91	153	153	20
Visayas	2025	1	3	16	90	153	153	20
Visayas	2025	1	3	17	88	153	153	20
Visayas	2025	1	3	18	94	153	153	20
Visayas	2025	1	3	19	89	153	153	20
Visayas	2025	1	3	20	85	153	153	20
Visayas	2025	1	3	21	82	153	153	20
Visayas	2025	1	3	22	76	153	153	20
Visayas	2025	1	3	23	70	153	153	20
Visayas	2025	1	3	24	66	153	153	20
Visayas	2025	1	4	1	62	153	153	20
Visayas	2025	1	4	2	60	153	153	20
Visayas	2025	1	4	3	59	153	153	20
Visayas	2025	1	4	4	58	153	153	20
Visayas	2025	1	4	5	59	153	153	20
Visayas	2025	1	4	6	60	153	153	20
Visayas	2025	1	4	7	61	153	153	20
Visayas	2025	1	4	8	64	153	153	20
Visayas	2025	1	4	9	73	153	153	20
Visayas	2025	1	4	10	79	153	153	20
Visayas	2025	1	4	11	84	153	153	20
Visayas	2025	1	4	12	84	153	153	20
Visayas	2025	1	4	13	82	153	153	20
Visayas	2025	1	4	14	83	153	153	20
Visayas	2025	1	4	15	81	153	153	20
Visayas	2025	1	4	16	80	153	153	20
Visayas	2025	1	4	17	81	153	153	20
Visayas	2025	1	4	18	89	153	153	20
Visayas	2025	1	4	19	83	153	153	20
Visayas	2025	1	4	20	79	153	153	20
Visayas	2025	1	4	21	76	153	153	20
Visayas	2025	1	4	22	71	153	153	20
Visayas	2025	1	4	23	66	153	153	20
Visayas	2025	1	4	24	62	153	153	20
Visayas	2025	1	5	1	60	153	153	20
Visayas	2025	1	5	2	59	153	153	20
Visayas	2025	1	5	3	58	153	153	20
Visayas	2025	1	5	4	56	153	153	20
Visayas	2025	1	5	5	56	153	153	20
Visayas	2025	1	5	6	56	153	153	20
Visayas	2025	1	5	7	58	153	153	20
Visayas	2025	1	5	8	59	153	153	20
Visayas	2025	1	5	9	62	153	153	20
Visayas	2025	1	5	10	66	153	153	20
Visayas	2025	1	5	11	69	153	153	20
Visayas	2025	1	5	12	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	5	13	71	153	153	20
Visayas	2025	1	5	14	72	153	153	20
Visayas	2025	1	5	15	71	153	153	20
Visayas	2025	1	5	16	70	153	153	20
Visayas	2025	1	5	17	73	153	153	20
Visayas	2025	1	5	18	88	153	153	20
Visayas	2025	1	5	19	83	153	153	20
Visayas	2025	1	5	20	81	153	153	20
Visayas	2025	1	5	21	77	153	153	20
Visayas	2025	1	5	22	72	153	153	20
Visayas	2025	1	5	23	66	153	153	20
Visayas	2025	1	5	24	62	153	153	20
Visayas	2025	1	6	1	59	153	153	20
Visayas	2025	1	6	2	58	153	153	20
Visayas	2025	1	6	3	56	153	153	20
Visayas	2025	1	6	4	56	153	153	20
Visayas	2025	1	6	5	57	153	153	20
Visayas	2025	1	6	6	58	153	153	20
Visayas	2025	1	6	7	60	153	153	20
Visayas	2025	1	6	8	68	153	153	20
Visayas	2025	1	6	9	82	153	153	20
Visayas	2025	1	6	10	88	153	153	20
Visayas	2025	1	6	11	93	153	153	20
Visayas	2025	1	6	12	91	153	153	20
Visayas	2025	1	6	13	92	153	153	20
Visayas	2025	1	6	14	96	153	153	20
Visayas	2025	1	6	15	96	153	153	20
Visayas	2025	1	6	16	94	153	153	20
Visayas	2025	1	6	17	90	153	153	20
Visayas	2025	1	6	18	97	153	153	20
Visayas	2025	1	6	19	93	153	153	20
Visayas	2025	1	6	20	90	153	153	20
Visayas	2025	1	6	21	87	153	153	20
Visayas	2025	1	6	22	80	153	153	20
Visayas	2025	1	6	23	75	153	153	20
Visayas	2025	1	6	24	70	153	153	20
Visayas	2025	1	7	1	67	153	153	20
Visayas	2025	1	7	2	65	153	153	20
Visayas	2025	1	7	3	63	153	153	20
Visayas	2025	1	7	4	61	153	153	20
Visayas	2025	1	7	5	61	153	153	20
Visayas	2025	1	7	6	63	153	153	20
Visayas	2025	1	7	7	65	153	153	20
Visayas	2025	1	7	8	73	153	153	20
Visayas	2025	1	7	9	85	153	153	20
Visayas	2025	1	7	10	94	153	153	20
Visayas	2025	1	7	11	98	153	153	20
Visayas	2025	1	7	12	95	153	153	20
Visayas	2025	1	7	13	97	153	153	20
Visayas	2025	1	7	14	102	153	153	20
Visayas	2025	1	7	15	100	153	153	20
Visayas	2025	1	7	16	97	153	153	20
Visayas	2025	1	7	17	92	153	153	20
Visayas	2025	1	7	18	100	153	153	20
Visayas	2025	1	7	19	96	153	153	20
Visayas	2025	1	7	20	92	153	153	20
Visayas	2025	1	7	21	88	153	153	20
Visayas	2025	1	7	22	83	153	153	20
Visayas	2025	1	7	23	78	153	153	20
Visayas	2025	1	7	24	73	153	153	20
Visayas	2025	1	8	1	69	153	153	20
Visayas	2025	1	8	2	66	153	153	20
Visayas	2025	1	8	3	64	153	153	20
Visayas	2025	1	8	4	63	153	153	20
Visayas	2025	1	8	5	63	153	153	20
Visayas	2025	1	8	6	66	153	153	20
Visayas	2025	1	8	7	67	153	153	20
Visayas	2025	1	8	8	76	153	153	20
Visayas	2025	1	8	9	90	153	153	20
Visayas	2025	1	8	10	95	153	153	20
Visayas	2025	1	8	11	101	153	153	20
Visayas	2025	1	8	12	97	153	153	20
Visayas	2025	1	8	13	97	153	153	20
Visayas	2025	1	8	14	101	153	153	20
Visayas	2025	1	8	15	100	153	153	20
Visayas	2025	1	8	16	96	153	153	20
Visayas	2025	1	8	17	90	153	153	20
Visayas	2025	1	8	18	99	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	8	19	95	153	153	20
Visayas	2025	1	8	20	92	153	153	20
Visayas	2025	1	8	21	87	153	153	20
Visayas	2025	1	8	22	82	153	153	20
Visayas	2025	1	8	23	76	153	153	20
Visayas	2025	1	8	24	71	153	153	20
Visayas	2025	1	9	1	69	153	153	20
Visayas	2025	1	9	2	66	153	153	20
Visayas	2025	1	9	3	63	153	153	20
Visayas	2025	1	9	4	63	153	153	20
Visayas	2025	1	9	5	62	153	153	20
Visayas	2025	1	9	6	65	153	153	20
Visayas	2025	1	9	7	67	153	153	20
Visayas	2025	1	9	8	76	153	153	20
Visayas	2025	1	9	9	86	153	153	20
Visayas	2025	1	9	10	89	153	153	20
Visayas	2025	1	9	11	93	153	153	20
Visayas	2025	1	9	12	89	153	153	20
Visayas	2025	1	9	13	90	153	153	20
Visayas	2025	1	9	14	93	153	153	20
Visayas	2025	1	9	15	91	153	153	20
Visayas	2025	1	9	16	92	153	153	20
Visayas	2025	1	9	17	89	153	153	20
Visayas	2025	1	9	18	95	153	153	20
Visayas	2025	1	9	19	92	153	153	20
Visayas	2025	1	9	20	89	153	153	20
Visayas	2025	1	9	21	85	153	153	20
Visayas	2025	1	9	22	78	153	153	20
Visayas	2025	1	9	23	73	153	153	20
Visayas	2025	1	9	24	69	153	153	20
Visayas	2025	1	10	1	64	153	153	20
Visayas	2025	1	10	2	62	153	153	20
Visayas	2025	1	10	3	60	153	153	20
Visayas	2025	1	10	4	59	153	153	20
Visayas	2025	1	10	5	60	153	153	20
Visayas	2025	1	10	6	62	153	153	20
Visayas	2025	1	10	7	66	153	153	20
Visayas	2025	1	10	8	73	153	153	20
Visayas	2025	1	10	9	85	153	153	20
Visayas	2025	1	10	10	91	153	153	20
Visayas	2025	1	10	11	93	153	153	20
Visayas	2025	1	10	12	89	153	153	20
Visayas	2025	1	10	13	88	153	153	20
Visayas	2025	1	10	14	91	153	153	20
Visayas	2025	1	10	15	91	153	153	20
Visayas	2025	1	10	16	90	153	153	20
Visayas	2025	1	10	17	88	153	153	20
Visayas	2025	1	10	18	94	153	153	20
Visayas	2025	1	10	19	89	153	153	20
Visayas	2025	1	10	20	85	153	153	20
Visayas	2025	1	10	21	82	153	153	20
Visayas	2025	1	10	22	76	153	153	20
Visayas	2025	1	10	23	70	153	153	20
Visayas	2025	1	10	24	66	153	153	20
Visayas	2025	1	11	1	62	153	153	20
Visayas	2025	1	11	2	60	153	153	20
Visayas	2025	1	11	3	59	153	153	20
Visayas	2025	1	11	4	58	153	153	20
Visayas	2025	1	11	5	59	153	153	20
Visayas	2025	1	11	6	60	153	153	20
Visayas	2025	1	11	7	61	153	153	20
Visayas	2025	1	11	8	64	153	153	20
Visayas	2025	1	11	9	73	153	153	20
Visayas	2025	1	11	10	79	153	153	20
Visayas	2025	1	11	11	84	153	153	20
Visayas	2025	1	11	12	84	153	153	20
Visayas	2025	1	11	13	82	153	153	20
Visayas	2025	1	11	14	83	153	153	20
Visayas	2025	1	11	15	81	153	153	20
Visayas	2025	1	11	16	80	153	153	20
Visayas	2025	1	11	17	81	153	153	20
Visayas	2025	1	11	18	89	153	153	20
Visayas	2025	1	11	19	83	153	153	20
Visayas	2025	1	11	20	79	153	153	20
Visayas	2025	1	11	21	76	153	153	20
Visayas	2025	1	11	22	71	153	153	20
Visayas	2025	1	11	23	66	153	153	20
Visayas	2025	1	11	24	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	12	1	60	153	153	20
Visayas	2025	1	12	2	58	153	153	20
Visayas	2025	1	12	3	57	153	153	20
Visayas	2025	1	12	4	56	153	153	20
Visayas	2025	1	12	5	56	153	153	20
Visayas	2025	1	12	6	57	153	153	20
Visayas	2025	1	12	7	57	153	153	20
Visayas	2025	1	12	8	58	153	153	20
Visayas	2025	1	12	9	62	153	153	20
Visayas	2025	1	12	10	65	153	153	20
Visayas	2025	1	12	11	66	153	153	20
Visayas	2025	1	12	12	64	153	153	20
Visayas	2025	1	12	13	61	153	153	20
Visayas	2025	1	12	14	64	153	153	20
Visayas	2025	1	12	15	61	153	153	20
Visayas	2025	1	12	16	61	153	153	20
Visayas	2025	1	12	17	65	153	153	20
Visayas	2025	1	12	18	78	153	153	20
Visayas	2025	1	12	19	76	153	153	20
Visayas	2025	1	12	20	70	153	153	20
Visayas	2025	1	12	21	69	153	153	20
Visayas	2025	1	12	22	64	153	153	20
Visayas	2025	1	12	23	59	153	153	20
Visayas	2025	1	12	24	57	153	153	20
Visayas	2025	1	13	1	55	153	153	20
Visayas	2025	1	13	2	53	153	153	20
Visayas	2025	1	13	3	51	153	153	20
Visayas	2025	1	13	4	50	153	153	20
Visayas	2025	1	13	5	51	153	153	20
Visayas	2025	1	13	6	54	153	153	20
Visayas	2025	1	13	7	58	153	153	20
Visayas	2025	1	13	8	63	153	153	20
Visayas	2025	1	13	9	72	153	153	20
Visayas	2025	1	13	10	77	153	153	20
Visayas	2025	1	13	11	81	153	153	20
Visayas	2025	1	13	12	78	153	153	20
Visayas	2025	1	13	13	76	153	153	20
Visayas	2025	1	13	14	78	153	153	20
Visayas	2025	1	13	15	79	153	153	20
Visayas	2025	1	13	16	78	153	153	20
Visayas	2025	1	13	17	78	153	153	20
Visayas	2025	1	13	18	85	153	153	20
Visayas	2025	1	13	19	80	153	153	20
Visayas	2025	1	13	20	75	153	153	20
Visayas	2025	1	13	21	70	153	153	20
Visayas	2025	1	13	22	64	153	153	20
Visayas	2025	1	13	23	58	153	153	20
Visayas	2025	1	13	24	57	153	153	20
Visayas	2025	1	14	1	55	153	153	20
Visayas	2025	1	14	2	53	153	153	20
Visayas	2025	1	14	3	53	153	153	20
Visayas	2025	1	14	4	52	153	153	20
Visayas	2025	1	14	5	53	153	153	20
Visayas	2025	1	14	6	56	153	153	20
Visayas	2025	1	14	7	60	153	153	20
Visayas	2025	1	14	8	66	153	153	20
Visayas	2025	1	14	9	74	153	153	20
Visayas	2025	1	14	10	79	153	153	20
Visayas	2025	1	14	11	81	153	153	20
Visayas	2025	1	14	12	79	153	153	20
Visayas	2025	1	14	13	78	153	153	20
Visayas	2025	1	14	14	80	153	153	20
Visayas	2025	1	14	15	80	153	153	20
Visayas	2025	1	14	16	80	153	153	20
Visayas	2025	1	14	17	78	153	153	20
Visayas	2025	1	14	18	84	153	153	20
Visayas	2025	1	14	19	80	153	153	20
Visayas	2025	1	14	20	76	153	153	20
Visayas	2025	1	14	21	71	153	153	20
Visayas	2025	1	14	22	66	153	153	20
Visayas	2025	1	14	23	60	153	153	20
Visayas	2025	1	14	24	58	153	153	20
Visayas	2025	1	15	1	56	153	153	20
Visayas	2025	1	15	2	54	153	153	20
Visayas	2025	1	15	3	53	153	153	20
Visayas	2025	1	15	4	53	153	153	20
Visayas	2025	1	15	5	55	153	153	20
Visayas	2025	1	15	6	58	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	15	7	61	153	153	20
Visayas	2025	1	15	8	67	153	153	20
Visayas	2025	1	15	9	76	153	153	20
Visayas	2025	1	15	10	82	153	153	20
Visayas	2025	1	15	11	86	153	153	20
Visayas	2025	1	15	12	83	153	153	20
Visayas	2025	1	15	13	83	153	153	20
Visayas	2025	1	15	14	86	153	153	20
Visayas	2025	1	15	15	85	153	153	20
Visayas	2025	1	15	16	84	153	153	20
Visayas	2025	1	15	17	82	153	153	20
Visayas	2025	1	15	18	89	153	153	20
Visayas	2025	1	15	19	86	153	153	20
Visayas	2025	1	15	20	81	153	153	20
Visayas	2025	1	15	21	77	153	153	20
Visayas	2025	1	15	22	71	153	153	20
Visayas	2025	1	15	23	66	153	153	20
Visayas	2025	1	15	24	63	153	153	20
Visayas	2025	1	16	1	61	153	153	20
Visayas	2025	1	16	2	59	153	153	20
Visayas	2025	1	16	3	58	153	153	20
Visayas	2025	1	16	4	57	153	153	20
Visayas	2025	1	16	5	59	153	153	20
Visayas	2025	1	16	6	62	153	153	20
Visayas	2025	1	16	7	65	153	153	20
Visayas	2025	1	16	8	72	153	153	20
Visayas	2025	1	16	9	83	153	153	20
Visayas	2025	1	16	10	89	153	153	20
Visayas	2025	1	16	11	94	153	153	20
Visayas	2025	1	16	12	91	153	153	20
Visayas	2025	1	16	13	90	153	153	20
Visayas	2025	1	16	14	94	153	153	20
Visayas	2025	1	16	15	93	153	153	20
Visayas	2025	1	16	16	93	153	153	20
Visayas	2025	1	16	17	89	153	153	20
Visayas	2025	1	16	18	96	153	153	20
Visayas	2025	1	16	19	91	153	153	20
Visayas	2025	1	16	20	87	153	153	20
Visayas	2025	1	16	21	83	153	153	20
Visayas	2025	1	16	22	77	153	153	20
Visayas	2025	1	16	23	72	153	153	20
Visayas	2025	1	16	24	68	153	153	20
Visayas	2025	1	17	1	65	153	153	20
Visayas	2025	1	17	2	62	153	153	20
Visayas	2025	1	17	3	61	153	153	20
Visayas	2025	1	17	4	59	153	153	20
Visayas	2025	1	17	5	61	153	153	20
Visayas	2025	1	17	6	64	153	153	20
Visayas	2025	1	17	7	66	153	153	20
Visayas	2025	1	17	8	73	153	153	20
Visayas	2025	1	17	9	86	153	153	20
Visayas	2025	1	17	10	92	153	153	20
Visayas	2025	1	17	11	97	153	153	20
Visayas	2025	1	17	12	94	153	153	20
Visayas	2025	1	17	13	93	153	153	20
Visayas	2025	1	17	14	98	153	153	20
Visayas	2025	1	17	15	99	153	153	20
Visayas	2025	1	17	16	94	153	153	20
Visayas	2025	1	17	17	88	153	153	20
Visayas	2025	1	17	18	96	153	153	20
Visayas	2025	1	17	19	93	153	153	20
Visayas	2025	1	17	20	89	153	153	20
Visayas	2025	1	17	21	86	153	153	20
Visayas	2025	1	17	22	80	153	153	20
Visayas	2025	1	17	23	74	153	153	20
Visayas	2025	1	17	24	70	153	153	20
Visayas	2025	1	18	1	66	153	153	20
Visayas	2025	1	18	2	63	153	153	20
Visayas	2025	1	18	3	62	153	153	20
Visayas	2025	1	18	4	61	153	153	20
Visayas	2025	1	18	5	61	153	153	20
Visayas	2025	1	18	6	63	153	153	20
Visayas	2025	1	18	7	63	153	153	20
Visayas	2025	1	18	8	68	153	153	20
Visayas	2025	1	18	9	76	153	153	20
Visayas	2025	1	18	10	80	153	153	20
Visayas	2025	1	18	11	83	153	153	20
Visayas	2025	1	18	12	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	18	13	79	153	153	20
Visayas	2025	1	18	14	81	153	153	20
Visayas	2025	1	18	15	81	153	153	20
Visayas	2025	1	18	16	80	153	153	20
Visayas	2025	1	18	17	81	153	153	20
Visayas	2025	1	18	18	90	153	153	20
Visayas	2025	1	18	19	86	153	153	20
Visayas	2025	1	18	20	81	153	153	20
Visayas	2025	1	18	21	77	153	153	20
Visayas	2025	1	18	22	72	153	153	20
Visayas	2025	1	18	23	66	153	153	20
Visayas	2025	1	18	24	63	153	153	20
Visayas	2025	1	19	1	61	153	153	20
Visayas	2025	1	19	2	59	153	153	20
Visayas	2025	1	19	3	58	153	153	20
Visayas	2025	1	19	4	57	153	153	20
Visayas	2025	1	19	5	57	153	153	20
Visayas	2025	1	19	6	58	153	153	20
Visayas	2025	1	19	7	60	153	153	20
Visayas	2025	1	19	8	61	153	153	20
Visayas	2025	1	19	9	64	153	153	20
Visayas	2025	1	19	10	67	153	153	20
Visayas	2025	1	19	11	70	153	153	20
Visayas	2025	1	19	12	70	153	153	20
Visayas	2025	1	19	13	69	153	153	20
Visayas	2025	1	19	14	68	153	153	20
Visayas	2025	1	19	15	67	153	153	20
Visayas	2025	1	19	16	67	153	153	20
Visayas	2025	1	19	17	69	153	153	20
Visayas	2025	1	19	18	82	153	153	20
Visayas	2025	1	19	19	81	153	153	20
Visayas	2025	1	19	20	77	153	153	20
Visayas	2025	1	19	21	74	153	153	20
Visayas	2025	1	19	22	70	153	153	20
Visayas	2025	1	19	23	65	153	153	20
Visayas	2025	1	19	24	62	153	153	20
Visayas	2025	1	20	1	59	153	153	20
Visayas	2025	1	20	2	57	153	153	20
Visayas	2025	1	20	3	56	153	153	20
Visayas	2025	1	20	4	55	153	153	20
Visayas	2025	1	20	5	56	153	153	20
Visayas	2025	1	20	6	60	153	153	20
Visayas	2025	1	20	7	63	153	153	20
Visayas	2025	1	20	8	69	153	153	20
Visayas	2025	1	20	9	81	153	153	20
Visayas	2025	1	20	10	86	153	153	20
Visayas	2025	1	20	11	89	153	153	20
Visayas	2025	1	20	12	85	153	153	20
Visayas	2025	1	20	13	84	153	153	20
Visayas	2025	1	20	14	86	153	153	20
Visayas	2025	1	20	15	85	153	153	20
Visayas	2025	1	20	16	84	153	153	20
Visayas	2025	1	20	17	83	153	153	20
Visayas	2025	1	20	18	89	153	153	20
Visayas	2025	1	20	19	85	153	153	20
Visayas	2025	1	20	20	80	153	153	20
Visayas	2025	1	20	21	74	153	153	20
Visayas	2025	1	20	22	68	153	153	20
Visayas	2025	1	20	23	64	153	153	20
Visayas	2025	1	20	24	61	153	153	20
Visayas	2025	1	21	1	59	153	153	20
Visayas	2025	1	21	2	57	153	153	20
Visayas	2025	1	21	3	56	153	153	20
Visayas	2025	1	21	4	55	153	153	20
Visayas	2025	1	21	5	57	153	153	20
Visayas	2025	1	21	6	60	153	153	20
Visayas	2025	1	21	7	65	153	153	20
Visayas	2025	1	21	8	71	153	153	20
Visayas	2025	1	21	9	82	153	153	20
Visayas	2025	1	21	10	86	153	153	20
Visayas	2025	1	21	11	91	153	153	20
Visayas	2025	1	21	12	87	153	153	20
Visayas	2025	1	21	13	86	153	153	20
Visayas	2025	1	21	14	90	153	153	20
Visayas	2025	1	21	15	90	153	153	20
Visayas	2025	1	21	16	89	153	153	20
Visayas	2025	1	21	17	85	153	153	20
Visayas	2025	1	21	18	91	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	21	19	89	153	153	20
Visayas	2025	1	21	20	84	153	153	20
Visayas	2025	1	21	21	80	153	153	20
Visayas	2025	1	21	22	75	153	153	20
Visayas	2025	1	21	23	69	153	153	20
Visayas	2025	1	21	24	66	153	153	20
Visayas	2025	1	22	1	63	153	153	20
Visayas	2025	1	22	2	60	153	153	20
Visayas	2025	1	22	3	59	153	153	20
Visayas	2025	1	22	4	58	153	153	20
Visayas	2025	1	22	5	60	153	153	20
Visayas	2025	1	22	6	64	153	153	20
Visayas	2025	1	22	7	67	153	153	20
Visayas	2025	1	22	8	73	153	153	20
Visayas	2025	1	22	9	84	153	153	20
Visayas	2025	1	22	10	90	153	153	20
Visayas	2025	1	22	11	96	153	153	20
Visayas	2025	1	22	12	93	153	153	20
Visayas	2025	1	22	13	94	153	153	20
Visayas	2025	1	22	14	100	153	153	20
Visayas	2025	1	22	15	100	153	153	20
Visayas	2025	1	22	16	96	153	153	20
Visayas	2025	1	22	17	92	153	153	20
Visayas	2025	1	22	18	98	153	153	20
Visayas	2025	1	22	19	94	153	153	20
Visayas	2025	1	22	20	91	153	153	20
Visayas	2025	1	22	21	87	153	153	20
Visayas	2025	1	22	22	81	153	153	20
Visayas	2025	1	22	23	76	153	153	20
Visayas	2025	1	22	24	70	153	153	20
Visayas	2025	1	23	1	66	153	153	20
Visayas	2025	1	23	2	64	153	153	20
Visayas	2025	1	23	3	62	153	153	20
Visayas	2025	1	23	4	61	153	153	20
Visayas	2025	1	23	5	62	153	153	20
Visayas	2025	1	23	6	64	153	153	20
Visayas	2025	1	23	7	66	153	153	20
Visayas	2025	1	23	8	74	153	153	20
Visayas	2025	1	23	9	86	153	153	20
Visayas	2025	1	23	10	92	153	153	20
Visayas	2025	1	23	11	98	153	153	20
Visayas	2025	1	23	12	96	153	153	20
Visayas	2025	1	23	13	96	153	153	20
Visayas	2025	1	23	14	101	153	153	20
Visayas	2025	1	23	15	100	153	153	20
Visayas	2025	1	23	16	98	153	153	20
Visayas	2025	1	23	17	91	153	153	20
Visayas	2025	1	23	18	97	153	153	20
Visayas	2025	1	23	19	95	153	153	20
Visayas	2025	1	23	20	90	153	153	20
Visayas	2025	1	23	21	87	153	153	20
Visayas	2025	1	23	22	81	153	153	20
Visayas	2025	1	23	23	75	153	153	20
Visayas	2025	1	23	24	70	153	153	20
Visayas	2025	1	24	1	66	153	153	20
Visayas	2025	1	24	2	64	153	153	20
Visayas	2025	1	24	3	62	153	153	20
Visayas	2025	1	24	4	61	153	153	20
Visayas	2025	1	24	5	61	153	153	20
Visayas	2025	1	24	6	64	153	153	20
Visayas	2025	1	24	7	67	153	153	20
Visayas	2025	1	24	8	75	153	153	20
Visayas	2025	1	24	9	86	153	153	20
Visayas	2025	1	24	10	93	153	153	20
Visayas	2025	1	24	11	94	153	153	20
Visayas	2025	1	24	12	93	153	153	20
Visayas	2025	1	24	13	93	153	153	20
Visayas	2025	1	24	14	97	153	153	20
Visayas	2025	1	24	15	97	153	153	20
Visayas	2025	1	24	16	95	153	153	20
Visayas	2025	1	24	17	91	153	153	20
Visayas	2025	1	24	18	95	153	153	20
Visayas	2025	1	24	19	94	153	153	20
Visayas	2025	1	24	20	90	153	153	20
Visayas	2025	1	24	21	86	153	153	20
Visayas	2025	1	24	22	80	153	153	20
Visayas	2025	1	24	23	75	153	153	20
Visayas	2025	1	24	24	70	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	25	1	67	153	153	20
Visayas	2025	1	25	2	64	153	153	20
Visayas	2025	1	25	3	62	153	153	20
Visayas	2025	1	25	4	60	153	153	20
Visayas	2025	1	25	5	61	153	153	20
Visayas	2025	1	25	6	63	153	153	20
Visayas	2025	1	25	7	64	153	153	20
Visayas	2025	1	25	8	68	153	153	20
Visayas	2025	1	25	9	78	153	153	20
Visayas	2025	1	25	10	82	153	153	20
Visayas	2025	1	25	11	86	153	153	20
Visayas	2025	1	25	12	84	153	153	20
Visayas	2025	1	25	13	85	153	153	20
Visayas	2025	1	25	14	90	153	153	20
Visayas	2025	1	25	15	89	153	153	20
Visayas	2025	1	25	16	86	153	153	20
Visayas	2025	1	25	17	83	153	153	20
Visayas	2025	1	25	18	92	153	153	20
Visayas	2025	1	25	19	92	153	153	20
Visayas	2025	1	25	20	89	153	153	20
Visayas	2025	1	25	21	87	153	153	20
Visayas	2025	1	25	22	81	153	153	20
Visayas	2025	1	25	23	76	153	153	20
Visayas	2025	1	25	24	70	153	153	20
Visayas	2025	1	26	1	66	153	153	20
Visayas	2025	1	26	2	64	153	153	20
Visayas	2025	1	26	3	62	153	153	20
Visayas	2025	1	26	4	60	153	153	20
Visayas	2025	1	26	5	60	153	153	20
Visayas	2025	1	26	6	61	153	153	20
Visayas	2025	1	26	7	58	153	153	20
Visayas	2025	1	26	8	60	153	153	20
Visayas	2025	1	26	9	64	153	153	20
Visayas	2025	1	26	10	68	153	153	20
Visayas	2025	1	26	11	71	153	153	20
Visayas	2025	1	26	12	73	153	153	20
Visayas	2025	1	26	13	73	153	153	20
Visayas	2025	1	26	14	75	153	153	20
Visayas	2025	1	26	15	74	153	153	20
Visayas	2025	1	26	16	73	153	153	20
Visayas	2025	1	26	17	72	153	153	20
Visayas	2025	1	26	18	85	153	153	20
Visayas	2025	1	26	19	87	153	153	20
Visayas	2025	1	26	20	86	153	153	20
Visayas	2025	1	26	21	84	153	153	20
Visayas	2025	1	26	22	80	153	153	20
Visayas	2025	1	26	23	74	153	153	20
Visayas	2025	1	26	24	70	153	153	20
Visayas	2025	1	27	1	66	153	153	20
Visayas	2025	1	27	2	63	153	153	20
Visayas	2025	1	27	3	62	153	153	20
Visayas	2025	1	27	4	60	153	153	20
Visayas	2025	1	27	5	61	153	153	20
Visayas	2025	1	27	6	63	153	153	20
Visayas	2025	1	27	7	65	153	153	20
Visayas	2025	1	27	8	75	153	153	20
Visayas	2025	1	27	9	88	153	153	20
Visayas	2025	1	27	10	94	153	153	20
Visayas	2025	1	27	11	100	153	153	20
Visayas	2025	1	27	12	97	153	153	20
Visayas	2025	1	27	13	96	153	153	20
Visayas	2025	1	27	14	102	153	153	20
Visayas	2025	1	27	15	100	153	153	20
Visayas	2025	1	27	16	98	153	153	20
Visayas	2025	1	27	17	91	153	153	20
Visayas	2025	1	27	18	90	153	153	20
Visayas	2025	1	27	19	95	153	153	20
Visayas	2025	1	27	20	90	153	153	20
Visayas	2025	1	27	21	88	153	153	20
Visayas	2025	1	27	22	80	153	153	20
Visayas	2025	1	27	23	75	153	153	20
Visayas	2025	1	27	24	71	153	153	20
Visayas	2025	1	28	1	67	153	153	20
Visayas	2025	1	28	2	64	153	153	20
Visayas	2025	1	28	3	62	153	153	20
Visayas	2025	1	28	4	61	153	153	20
Visayas	2025	1	28	5	62	153	153	20
Visayas	2025	1	28	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	28	7	67	153	153	20
Visayas	2025	1	28	8	75	153	153	20
Visayas	2025	1	28	9	87	153	153	20
Visayas	2025	1	28	10	95	153	153	20
Visayas	2025	1	28	11	99	153	153	20
Visayas	2025	1	28	12	97	153	153	20
Visayas	2025	1	28	13	98	153	153	20
Visayas	2025	1	28	14	101	153	153	20
Visayas	2025	1	28	15	102	153	153	20
Visayas	2025	1	28	16	99	153	153	20
Visayas	2025	1	28	17	92	153	153	20
Visayas	2025	1	28	18	96	153	153	20
Visayas	2025	1	28	19	96	153	153	20
Visayas	2025	1	28	20	92	153	153	20
Visayas	2025	1	28	21	89	153	153	20
Visayas	2025	1	28	22	83	153	153	20
Visayas	2025	1	28	23	77	153	153	20
Visayas	2025	1	28	24	73	153	153	20
Visayas	2025	1	29	1	70	153	153	20
Visayas	2025	1	29	2	66	153	153	20
Visayas	2025	1	29	3	64	153	153	20
Visayas	2025	1	29	4	63	153	153	20
Visayas	2025	1	29	5	64	153	153	20
Visayas	2025	1	29	6	66	153	153	20
Visayas	2025	1	29	7	68	153	153	20
Visayas	2025	1	29	8	75	153	153	20
Visayas	2025	1	29	9	85	153	153	20
Visayas	2025	1	29	10	91	153	153	20
Visayas	2025	1	29	11	96	153	153	20
Visayas	2025	1	29	12	94	153	153	20
Visayas	2025	1	29	13	94	153	153	20
Visayas	2025	1	29	14	101	153	153	20
Visayas	2025	1	29	15	101	153	153	20
Visayas	2025	1	29	16	98	153	153	20
Visayas	2025	1	29	17	90	153	153	20
Visayas	2025	1	29	18	97	153	153	20
Visayas	2025	1	29	19	96	153	153	20
Visayas	2025	1	29	20	92	153	153	20
Visayas	2025	1	29	21	88	153	153	20
Visayas	2025	1	29	22	82	153	153	20
Visayas	2025	1	29	23	77	153	153	20
Visayas	2025	1	29	24	72	153	153	20
Visayas	2025	1	30	1	69	153	153	20
Visayas	2025	1	30	2	66	153	153	20
Visayas	2025	1	30	3	64	153	153	20
Visayas	2025	1	30	4	63	153	153	20
Visayas	2025	1	30	5	63	153	153	20
Visayas	2025	1	30	6	66	153	153	20
Visayas	2025	1	30	7	67	153	153	20
Visayas	2025	1	30	8	75	153	153	20
Visayas	2025	1	30	9	87	153	153	20
Visayas	2025	1	30	10	91	153	153	20
Visayas	2025	1	30	11	97	153	153	20
Visayas	2025	1	30	12	93	153	153	20
Visayas	2025	1	30	13	94	153	153	20
Visayas	2025	1	30	14	98	153	153	20
Visayas	2025	1	30	15	97	153	153	20
Visayas	2025	1	30	16	94	153	153	20
Visayas	2025	1	30	17	90	153	153	20
Visayas	2025	1	30	18	94	153	153	20
Visayas	2025	1	30	19	89	153	153	20
Visayas	2025	1	30	20	83	153	153	20
Visayas	2025	1	30	21	80	153	153	20
Visayas	2025	1	30	22	74	153	153	20
Visayas	2025	1	30	23	68	153	153	20
Visayas	2025	1	30	24	67	153	153	20
Visayas	2025	1	31	1	65	153	153	20
Visayas	2025	1	31	2	62	153	153	20
Visayas	2025	1	31	3	60	153	153	20
Visayas	2025	1	31	4	59	153	153	20
Visayas	2025	1	31	5	59	153	153	20
Visayas	2025	1	31	6	60	153	153	20
Visayas	2025	1	31	7	62	153	153	20
Visayas	2025	1	31	8	70	153	153	20
Visayas	2025	1	31	9	81	153	153	20
Visayas	2025	1	31	10	87	153	153	20
Visayas	2025	1	31	11	92	153	153	20
Visayas	2025	1	31	12	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	1	31	13	91	153	153	20
Visayas	2025	1	31	14	96	153	153	20
Visayas	2025	1	31	15	95	153	153	20
Visayas	2025	1	31	16	93	153	153	20
Visayas	2025	1	31	17	85	153	153	20
Visayas	2025	1	31	18	85	153	153	20
Visayas	2025	1	31	19	85	153	153	20
Visayas	2025	1	31	20	83	153	153	20
Visayas	2025	1	31	21	81	153	153	20
Visayas	2025	1	31	22	78	153	153	20
Visayas	2025	1	31	23	73	153	153	20
Visayas	2025	1	31	24	68	153	153	20
Visayas	2025	2	1	1	65	153	153	20
Visayas	2025	2	1	2	63	153	153	20
Visayas	2025	2	1	3	61	153	153	20
Visayas	2025	2	1	4	60	153	153	20
Visayas	2025	2	1	5	60	153	153	20
Visayas	2025	2	1	6	61	153	153	20
Visayas	2025	2	1	7	63	153	153	20
Visayas	2025	2	1	8	66	153	153	20
Visayas	2025	2	1	9	73	153	153	20
Visayas	2025	2	1	10	76	153	153	20
Visayas	2025	2	1	11	80	153	153	20
Visayas	2025	2	1	12	79	153	153	20
Visayas	2025	2	1	13	81	153	153	20
Visayas	2025	2	1	14	84	153	153	20
Visayas	2025	2	1	15	83	153	153	20
Visayas	2025	2	1	16	81	153	153	20
Visayas	2025	2	1	17	77	153	153	20
Visayas	2025	2	1	18	81	153	153	20
Visayas	2025	2	1	19	85	153	153	20
Visayas	2025	2	1	20	81	153	153	20
Visayas	2025	2	1	21	79	153	153	20
Visayas	2025	2	1	22	76	153	153	20
Visayas	2025	2	1	23	71	153	153	20
Visayas	2025	2	1	24	67	153	153	20
Visayas	2025	2	2	1	63	153	153	20
Visayas	2025	2	2	2	61	153	153	20
Visayas	2025	2	2	3	60	153	153	20
Visayas	2025	2	2	4	58	153	153	20
Visayas	2025	2	2	5	58	153	153	20
Visayas	2025	2	2	6	58	153	153	20
Visayas	2025	2	2	7	53	153	153	20
Visayas	2025	2	2	8	58	153	153	20
Visayas	2025	2	2	9	62	153	153	20
Visayas	2025	2	2	10	67	153	153	20
Visayas	2025	2	2	11	70	153	153	20
Visayas	2025	2	2	12	71	153	153	20
Visayas	2025	2	2	13	72	153	153	20
Visayas	2025	2	2	14	75	153	153	20
Visayas	2025	2	2	15	75	153	153	20
Visayas	2025	2	2	16	74	153	153	20
Visayas	2025	2	2	17	72	153	153	20
Visayas	2025	2	2	18	79	153	153	20
Visayas	2025	2	2	19	82	153	153	20
Visayas	2025	2	2	20	80	153	153	20
Visayas	2025	2	2	21	78	153	153	20
Visayas	2025	2	2	22	76	153	153	20
Visayas	2025	2	2	23	69	153	153	20
Visayas	2025	2	2	24	65	153	153	20
Visayas	2025	2	3	1	63	153	153	20
Visayas	2025	2	3	2	60	153	153	20
Visayas	2025	2	3	3	58	153	153	20
Visayas	2025	2	3	4	57	153	153	20
Visayas	2025	2	3	5	57	153	153	20
Visayas	2025	2	3	6	59	153	153	20
Visayas	2025	2	3	7	60	153	153	20
Visayas	2025	2	3	8	68	153	153	20
Visayas	2025	2	3	9	82	153	153	20
Visayas	2025	2	3	10	89	153	153	20
Visayas	2025	2	3	11	93	153	153	20
Visayas	2025	2	3	12	91	153	153	20
Visayas	2025	2	3	13	92	153	153	20
Visayas	2025	2	3	14	93	153	153	20
Visayas	2025	2	3	15	95	153	153	20
Visayas	2025	2	3	16	92	153	153	20
Visayas	2025	2	3	17	86	153	153	20
Visayas	2025	2	3	18	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	3	19	87	153	153	20
Visayas	2025	2	3	20	85	153	153	20
Visayas	2025	2	3	21	82	153	153	20
Visayas	2025	2	3	22	78	153	153	20
Visayas	2025	2	3	23	74	153	153	20
Visayas	2025	2	3	24	69	153	153	20
Visayas	2025	2	4	1	66	153	153	20
Visayas	2025	2	4	2	63	153	153	20
Visayas	2025	2	4	3	61	153	153	20
Visayas	2025	2	4	4	60	153	153	20
Visayas	2025	2	4	5	60	153	153	20
Visayas	2025	2	4	6	61	153	153	20
Visayas	2025	2	4	7	62	153	153	20
Visayas	2025	2	4	8	66	153	153	20
Visayas	2025	2	4	9	75	153	153	20
Visayas	2025	2	4	10	79	153	153	20
Visayas	2025	2	4	11	83	153	153	20
Visayas	2025	2	4	12	82	153	153	20
Visayas	2025	2	4	13	83	153	153	20
Visayas	2025	2	4	14	87	153	153	20
Visayas	2025	2	4	15	86	153	153	20
Visayas	2025	2	4	16	83	153	153	20
Visayas	2025	2	4	17	79	153	153	20
Visayas	2025	2	4	18	86	153	153	20
Visayas	2025	2	4	19	86	153	153	20
Visayas	2025	2	4	20	83	153	153	20
Visayas	2025	2	4	21	80	153	153	20
Visayas	2025	2	4	22	75	153	153	20
Visayas	2025	2	4	23	71	153	153	20
Visayas	2025	2	4	24	66	153	153	20
Visayas	2025	2	5	1	64	153	153	20
Visayas	2025	2	5	2	62	153	153	20
Visayas	2025	2	5	3	60	153	153	20
Visayas	2025	2	5	4	59	153	153	20
Visayas	2025	2	5	5	60	153	153	20
Visayas	2025	2	5	6	61	153	153	20
Visayas	2025	2	5	7	64	153	153	20
Visayas	2025	2	5	8	71	153	153	20
Visayas	2025	2	5	9	83	153	153	20
Visayas	2025	2	5	10	86	153	153	20
Visayas	2025	2	5	11	86	153	153	20
Visayas	2025	2	5	12	86	153	153	20
Visayas	2025	2	5	13	89	153	153	20
Visayas	2025	2	5	14	94	153	153	20
Visayas	2025	2	5	15	93	153	153	20
Visayas	2025	2	5	16	91	153	153	20
Visayas	2025	2	5	17	84	153	153	20
Visayas	2025	2	5	18	88	153	153	20
Visayas	2025	2	5	19	87	153	153	20
Visayas	2025	2	5	20	84	153	153	20
Visayas	2025	2	5	21	81	153	153	20
Visayas	2025	2	5	22	78	153	153	20
Visayas	2025	2	5	23	73	153	153	20
Visayas	2025	2	5	24	69	153	153	20
Visayas	2025	2	6	1	66	153	153	20
Visayas	2025	2	6	2	64	153	153	20
Visayas	2025	2	6	3	62	153	153	20
Visayas	2025	2	6	4	61	153	153	20
Visayas	2025	2	6	5	61	153	153	20
Visayas	2025	2	6	6	63	153	153	20
Visayas	2025	2	6	7	65	153	153	20
Visayas	2025	2	6	8	72	153	153	20
Visayas	2025	2	6	9	84	153	153	20
Visayas	2025	2	6	10	89	153	153	20
Visayas	2025	2	6	11	92	153	153	20
Visayas	2025	2	6	12	90	153	153	20
Visayas	2025	2	6	13	93	153	153	20
Visayas	2025	2	6	14	97	153	153	20
Visayas	2025	2	6	15	96	153	153	20
Visayas	2025	2	6	16	94	153	153	20
Visayas	2025	2	6	17	88	153	153	20
Visayas	2025	2	6	18	91	153	153	20
Visayas	2025	2	6	19	90	153	153	20
Visayas	2025	2	6	20	86	153	153	20
Visayas	2025	2	6	21	83	153	153	20
Visayas	2025	2	6	22	79	153	153	20
Visayas	2025	2	6	23	75	153	153	20
Visayas	2025	2	6	24	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	7	1	68	153	153	20
Visayas	2025	2	7	2	65	153	153	20
Visayas	2025	2	7	3	63	153	153	20
Visayas	2025	2	7	4	60	153	153	20
Visayas	2025	2	7	5	61	153	153	20
Visayas	2025	2	7	6	63	153	153	20
Visayas	2025	2	7	7	63	153	153	20
Visayas	2025	2	7	8	70	153	153	20
Visayas	2025	2	7	9	80	153	153	20
Visayas	2025	2	7	10	86	153	153	20
Visayas	2025	2	7	11	90	153	153	20
Visayas	2025	2	7	12	87	153	153	20
Visayas	2025	2	7	13	85	153	153	20
Visayas	2025	2	7	14	89	153	153	20
Visayas	2025	2	7	15	89	153	153	20
Visayas	2025	2	7	16	87	153	153	20
Visayas	2025	2	7	17	84	153	153	20
Visayas	2025	2	7	18	88	153	153	20
Visayas	2025	2	7	19	84	153	153	20
Visayas	2025	2	7	20	80	153	153	20
Visayas	2025	2	7	21	78	153	153	20
Visayas	2025	2	7	22	74	153	153	20
Visayas	2025	2	7	23	68	153	153	20
Visayas	2025	2	7	24	66	153	153	20
Visayas	2025	2	8	1	63	153	153	20
Visayas	2025	2	8	2	62	153	153	20
Visayas	2025	2	8	3	61	153	153	20
Visayas	2025	2	8	4	60	153	153	20
Visayas	2025	2	8	5	60	153	153	20
Visayas	2025	2	8	6	62	153	153	20
Visayas	2025	2	8	7	62	153	153	20
Visayas	2025	2	8	8	64	153	153	20
Visayas	2025	2	8	9	73	153	153	20
Visayas	2025	2	8	10	79	153	153	20
Visayas	2025	2	8	11	81	153	153	20
Visayas	2025	2	8	12	80	153	153	20
Visayas	2025	2	8	13	81	153	153	20
Visayas	2025	2	8	14	84	153	153	20
Visayas	2025	2	8	15	81	153	153	20
Visayas	2025	2	8	16	80	153	153	20
Visayas	2025	2	8	17	78	153	153	20
Visayas	2025	2	8	18	85	153	153	20
Visayas	2025	2	8	19	83	153	153	20
Visayas	2025	2	8	20	79	153	153	20
Visayas	2025	2	8	21	78	153	153	20
Visayas	2025	2	8	22	74	153	153	20
Visayas	2025	2	8	23	69	153	153	20
Visayas	2025	2	8	24	65	153	153	20
Visayas	2025	2	9	1	62	153	153	20
Visayas	2025	2	9	2	60	153	153	20
Visayas	2025	2	9	3	59	153	153	20
Visayas	2025	2	9	4	58	153	153	20
Visayas	2025	2	9	5	58	153	153	20
Visayas	2025	2	9	6	59	153	153	20
Visayas	2025	2	9	7	57	153	153	20
Visayas	2025	2	9	8	60	153	153	20
Visayas	2025	2	9	9	62	153	153	20
Visayas	2025	2	9	10	68	153	153	20
Visayas	2025	2	9	11	70	153	153	20
Visayas	2025	2	9	12	68	153	153	20
Visayas	2025	2	9	13	70	153	153	20
Visayas	2025	2	9	14	70	153	153	20
Visayas	2025	2	9	15	68	153	153	20
Visayas	2025	2	9	16	68	153	153	20
Visayas	2025	2	9	17	67	153	153	20
Visayas	2025	2	9	18	79	153	153	20
Visayas	2025	2	9	19	81	153	153	20
Visayas	2025	2	9	20	76	153	153	20
Visayas	2025	2	9	21	74	153	153	20
Visayas	2025	2	9	22	71	153	153	20
Visayas	2025	2	9	23	66	153	153	20
Visayas	2025	2	9	24	63	153	153	20
Visayas	2025	2	10	1	60	153	153	20
Visayas	2025	2	10	2	58	153	153	20
Visayas	2025	2	10	3	57	153	153	20
Visayas	2025	2	10	4	56	153	153	20
Visayas	2025	2	10	5	56	153	153	20
Visayas	2025	2	10	6	59	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	10	7	62	153	153	20
Visayas	2025	2	10	8	69	153	153	20
Visayas	2025	2	10	9	80	153	153	20
Visayas	2025	2	10	10	84	153	153	20
Visayas	2025	2	10	11	88	153	153	20
Visayas	2025	2	10	12	90	153	153	20
Visayas	2025	2	10	13	91	153	153	20
Visayas	2025	2	10	14	95	153	153	20
Visayas	2025	2	10	15	95	153	153	20
Visayas	2025	2	10	16	94	153	153	20
Visayas	2025	2	10	17	86	153	153	20
Visayas	2025	2	10	18	90	153	153	20
Visayas	2025	2	10	19	89	153	153	20
Visayas	2025	2	10	20	86	153	153	20
Visayas	2025	2	10	21	82	153	153	20
Visayas	2025	2	10	22	78	153	153	20
Visayas	2025	2	10	23	73	153	153	20
Visayas	2025	2	10	24	71	153	153	20
Visayas	2025	2	11	1	66	153	153	20
Visayas	2025	2	11	2	65	153	153	20
Visayas	2025	2	11	3	63	153	153	20
Visayas	2025	2	11	4	62	153	153	20
Visayas	2025	2	11	5	62	153	153	20
Visayas	2025	2	11	6	65	153	153	20
Visayas	2025	2	11	7	67	153	153	20
Visayas	2025	2	11	8	74	153	153	20
Visayas	2025	2	11	9	86	153	153	20
Visayas	2025	2	11	10	89	153	153	20
Visayas	2025	2	11	11	94	153	153	20
Visayas	2025	2	11	12	92	153	153	20
Visayas	2025	2	11	13	93	153	153	20
Visayas	2025	2	11	14	97	153	153	20
Visayas	2025	2	11	15	96	153	153	20
Visayas	2025	2	11	16	93	153	153	20
Visayas	2025	2	11	17	85	153	153	20
Visayas	2025	2	11	18	89	153	153	20
Visayas	2025	2	11	19	89	153	153	20
Visayas	2025	2	11	20	85	153	153	20
Visayas	2025	2	11	21	82	153	153	20
Visayas	2025	2	11	22	78	153	153	20
Visayas	2025	2	11	23	74	153	153	20
Visayas	2025	2	11	24	69	153	153	20
Visayas	2025	2	12	1	66	153	153	20
Visayas	2025	2	12	2	63	153	153	20
Visayas	2025	2	12	3	61	153	153	20
Visayas	2025	2	12	4	60	153	153	20
Visayas	2025	2	12	5	60	153	153	20
Visayas	2025	2	12	6	63	153	153	20
Visayas	2025	2	12	7	64	153	153	20
Visayas	2025	2	12	8	72	153	153	20
Visayas	2025	2	12	9	83	153	153	20
Visayas	2025	2	12	10	90	153	153	20
Visayas	2025	2	12	11	92	153	153	20
Visayas	2025	2	12	12	90	153	153	20
Visayas	2025	2	12	13	90	153	153	20
Visayas	2025	2	12	14	92	153	153	20
Visayas	2025	2	12	15	91	153	153	20
Visayas	2025	2	12	16	89	153	153	20
Visayas	2025	2	12	17	84	153	153	20
Visayas	2025	2	12	18	87	153	153	20
Visayas	2025	2	12	19	87	153	153	20
Visayas	2025	2	12	20	84	153	153	20
Visayas	2025	2	12	21	81	153	153	20
Visayas	2025	2	12	22	77	153	153	20
Visayas	2025	2	12	23	73	153	153	20
Visayas	2025	2	12	24	68	153	153	20
Visayas	2025	2	13	1	65	153	153	20
Visayas	2025	2	13	2	63	153	153	20
Visayas	2025	2	13	3	61	153	153	20
Visayas	2025	2	13	4	60	153	153	20
Visayas	2025	2	13	5	61	153	153	20
Visayas	2025	2	13	6	63	153	153	20
Visayas	2025	2	13	7	66	153	153	20
Visayas	2025	2	13	8	73	153	153	20
Visayas	2025	2	13	9	83	153	153	20
Visayas	2025	2	13	10	88	153	153	20
Visayas	2025	2	13	11	91	153	153	20
Visayas	2025	2	13	12	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	13	13	89	153	153	20
Visayas	2025	2	13	14	91	153	153	20
Visayas	2025	2	13	15	90	153	153	20
Visayas	2025	2	13	16	89	153	153	20
Visayas	2025	2	13	17	84	153	153	20
Visayas	2025	2	13	18	88	153	153	20
Visayas	2025	2	13	19	87	153	153	20
Visayas	2025	2	13	20	83	153	153	20
Visayas	2025	2	13	21	80	153	153	20
Visayas	2025	2	13	22	76	153	153	20
Visayas	2025	2	13	23	71	153	153	20
Visayas	2025	2	13	24	67	153	153	20
Visayas	2025	2	14	1	65	153	153	20
Visayas	2025	2	14	2	63	153	153	20
Visayas	2025	2	14	3	62	153	153	20
Visayas	2025	2	14	4	60	153	153	20
Visayas	2025	2	14	5	62	153	153	20
Visayas	2025	2	14	6	65	153	153	20
Visayas	2025	2	14	7	66	153	153	20
Visayas	2025	2	14	8	72	153	153	20
Visayas	2025	2	14	9	83	153	153	20
Visayas	2025	2	14	10	87	153	153	20
Visayas	2025	2	14	11	92	153	153	20
Visayas	2025	2	14	12	89	153	153	20
Visayas	2025	2	14	13	90	153	153	20
Visayas	2025	2	14	14	94	153	153	20
Visayas	2025	2	14	15	93	153	153	20
Visayas	2025	2	14	16	90	153	153	20
Visayas	2025	2	14	17	87	153	153	20
Visayas	2025	2	14	18	90	153	153	20
Visayas	2025	2	14	19	87	153	153	20
Visayas	2025	2	14	20	84	153	153	20
Visayas	2025	2	14	21	80	153	153	20
Visayas	2025	2	14	22	77	153	153	20
Visayas	2025	2	14	23	72	153	153	20
Visayas	2025	2	14	24	68	153	153	20
Visayas	2025	2	15	1	65	153	153	20
Visayas	2025	2	15	2	63	153	153	20
Visayas	2025	2	15	3	61	153	153	20
Visayas	2025	2	15	4	60	153	153	20
Visayas	2025	2	15	5	61	153	153	20
Visayas	2025	2	15	6	62	153	153	20
Visayas	2025	2	15	7	63	153	153	20
Visayas	2025	2	15	8	68	153	153	20
Visayas	2025	2	15	9	76	153	153	20
Visayas	2025	2	15	10	81	153	153	20
Visayas	2025	2	15	11	85	153	153	20
Visayas	2025	2	15	12	81	153	153	20
Visayas	2025	2	15	13	82	153	153	20
Visayas	2025	2	15	14	84	153	153	20
Visayas	2025	2	15	15	83	153	153	20
Visayas	2025	2	15	16	82	153	153	20
Visayas	2025	2	15	17	80	153	153	20
Visayas	2025	2	15	18	85	153	153	20
Visayas	2025	2	15	19	85	153	153	20
Visayas	2025	2	15	20	81	153	153	20
Visayas	2025	2	15	21	76	153	153	20
Visayas	2025	2	15	22	72	153	153	20
Visayas	2025	2	15	23	68	153	153	20
Visayas	2025	2	15	24	64	153	153	20
Visayas	2025	2	16	1	61	153	153	20
Visayas	2025	2	16	2	59	153	153	20
Visayas	2025	2	16	3	58	153	153	20
Visayas	2025	2	16	4	57	153	153	20
Visayas	2025	2	16	5	57	153	153	20
Visayas	2025	2	16	6	58	153	153	20
Visayas	2025	2	16	7	57	153	153	20
Visayas	2025	2	16	8	59	153	153	20
Visayas	2025	2	16	9	61	153	153	20
Visayas	2025	2	16	10	67	153	153	20
Visayas	2025	2	16	11	69	153	153	20
Visayas	2025	2	16	12	70	153	153	20
Visayas	2025	2	16	13	70	153	153	20
Visayas	2025	2	16	14	70	153	153	20
Visayas	2025	2	16	15	71	153	153	20
Visayas	2025	2	16	16	70	153	153	20
Visayas	2025	2	16	17	71	153	153	20
Visayas	2025	2	16	18	79	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	16	19	83	153	153	20
Visayas	2025	2	16	20	79	153	153	20
Visayas	2025	2	16	21	76	153	153	20
Visayas	2025	2	16	22	76	153	153	20
Visayas	2025	2	16	23	70	153	153	20
Visayas	2025	2	16	24	64	153	153	20
Visayas	2025	2	17	1	61	153	153	20
Visayas	2025	2	17	2	59	153	153	20
Visayas	2025	2	17	3	58	153	153	20
Visayas	2025	2	17	4	58	153	153	20
Visayas	2025	2	17	5	58	153	153	20
Visayas	2025	2	17	6	61	153	153	20
Visayas	2025	2	17	7	62	153	153	20
Visayas	2025	2	17	8	70	153	153	20
Visayas	2025	2	17	9	82	153	153	20
Visayas	2025	2	17	10	90	153	153	20
Visayas	2025	2	17	11	95	153	153	20
Visayas	2025	2	17	12	94	153	153	20
Visayas	2025	2	17	13	92	153	153	20
Visayas	2025	2	17	14	99	153	153	20
Visayas	2025	2	17	15	99	153	153	20
Visayas	2025	2	17	16	99	153	153	20
Visayas	2025	2	17	17	89	153	153	20
Visayas	2025	2	17	18	90	153	153	20
Visayas	2025	2	17	19	90	153	153	20
Visayas	2025	2	17	20	87	153	153	20
Visayas	2025	2	17	21	85	153	153	20
Visayas	2025	2	17	22	79	153	153	20
Visayas	2025	2	17	23	74	153	153	20
Visayas	2025	2	17	24	69	153	153	20
Visayas	2025	2	18	1	66	153	153	20
Visayas	2025	2	18	2	64	153	153	20
Visayas	2025	2	18	3	62	153	153	20
Visayas	2025	2	18	4	61	153	153	20
Visayas	2025	2	18	5	61	153	153	20
Visayas	2025	2	18	6	64	153	153	20
Visayas	2025	2	18	7	65	153	153	20
Visayas	2025	2	18	8	74	153	153	20
Visayas	2025	2	18	9	87	153	153	20
Visayas	2025	2	18	10	94	153	153	20
Visayas	2025	2	18	11	97	153	153	20
Visayas	2025	2	18	12	95	153	153	20
Visayas	2025	2	18	13	96	153	153	20
Visayas	2025	2	18	14	103	153	153	20
Visayas	2025	2	18	15	101	153	153	20
Visayas	2025	2	18	16	98	153	153	20
Visayas	2025	2	18	17	90	153	153	20
Visayas	2025	2	18	18	91	153	153	20
Visayas	2025	2	18	19	93	153	153	20
Visayas	2025	2	18	20	87	153	153	20
Visayas	2025	2	18	21	84	153	153	20
Visayas	2025	2	18	22	79	153	153	20
Visayas	2025	2	18	23	74	153	153	20
Visayas	2025	2	18	24	69	153	153	20
Visayas	2025	2	19	1	66	153	153	20
Visayas	2025	2	19	2	64	153	153	20
Visayas	2025	2	19	3	62	153	153	20
Visayas	2025	2	19	4	61	153	153	20
Visayas	2025	2	19	5	62	153	153	20
Visayas	2025	2	19	6	65	153	153	20
Visayas	2025	2	19	7	67	153	153	20
Visayas	2025	2	19	8	74	153	153	20
Visayas	2025	2	19	9	87	153	153	20
Visayas	2025	2	19	10	96	153	153	20
Visayas	2025	2	19	11	98	153	153	20
Visayas	2025	2	19	12	95	153	153	20
Visayas	2025	2	19	13	96	153	153	20
Visayas	2025	2	19	14	102	153	153	20
Visayas	2025	2	19	15	101	153	153	20
Visayas	2025	2	19	16	99	153	153	20
Visayas	2025	2	19	17	91	153	153	20
Visayas	2025	2	19	18	91	153	153	20
Visayas	2025	2	19	19	95	153	153	20
Visayas	2025	2	19	20	89	153	153	20
Visayas	2025	2	19	21	87	153	153	20
Visayas	2025	2	19	22	82	153	153	20
Visayas	2025	2	19	23	77	153	153	20
Visayas	2025	2	19	24	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	20	1	69	153	153	20
Visayas	2025	2	20	2	67	153	153	20
Visayas	2025	2	20	3	63	153	153	20
Visayas	2025	2	20	4	61	153	153	20
Visayas	2025	2	20	5	63	153	153	20
Visayas	2025	2	20	6	65	153	153	20
Visayas	2025	2	20	7	66	153	153	20
Visayas	2025	2	20	8	75	153	153	20
Visayas	2025	2	20	9	87	153	153	20
Visayas	2025	2	20	10	93	153	153	20
Visayas	2025	2	20	11	97	153	153	20
Visayas	2025	2	20	12	95	153	153	20
Visayas	2025	2	20	13	96	153	153	20
Visayas	2025	2	20	14	101	153	153	20
Visayas	2025	2	20	15	101	153	153	20
Visayas	2025	2	20	16	99	153	153	20
Visayas	2025	2	20	17	92	153	153	20
Visayas	2025	2	20	18	90	153	153	20
Visayas	2025	2	20	19	93	153	153	20
Visayas	2025	2	20	20	89	153	153	20
Visayas	2025	2	20	21	86	153	153	20
Visayas	2025	2	20	22	81	153	153	20
Visayas	2025	2	20	23	77	153	153	20
Visayas	2025	2	20	24	71	153	153	20
Visayas	2025	2	21	1	68	153	153	20
Visayas	2025	2	21	2	65	153	153	20
Visayas	2025	2	21	3	63	153	153	20
Visayas	2025	2	21	4	62	153	153	20
Visayas	2025	2	21	5	63	153	153	20
Visayas	2025	2	21	6	65	153	153	20
Visayas	2025	2	21	7	67	153	153	20
Visayas	2025	2	21	8	75	153	153	20
Visayas	2025	2	21	9	88	153	153	20
Visayas	2025	2	21	10	91	153	153	20
Visayas	2025	2	21	11	94	153	153	20
Visayas	2025	2	21	12	94	153	153	20
Visayas	2025	2	21	13	94	153	153	20
Visayas	2025	2	21	14	99	153	153	20
Visayas	2025	2	21	15	98	153	153	20
Visayas	2025	2	21	16	95	153	153	20
Visayas	2025	2	21	17	89	153	153	20
Visayas	2025	2	21	18	91	153	153	20
Visayas	2025	2	21	19	91	153	153	20
Visayas	2025	2	21	20	87	153	153	20
Visayas	2025	2	21	21	84	153	153	20
Visayas	2025	2	21	22	78	153	153	20
Visayas	2025	2	21	23	75	153	153	20
Visayas	2025	2	21	24	69	153	153	20
Visayas	2025	2	22	1	68	153	153	20
Visayas	2025	2	22	2	65	153	153	20
Visayas	2025	2	22	3	62	153	153	20
Visayas	2025	2	22	4	60	153	153	20
Visayas	2025	2	22	5	61	153	153	20
Visayas	2025	2	22	6	62	153	153	20
Visayas	2025	2	22	7	62	153	153	20
Visayas	2025	2	22	8	64	153	153	20
Visayas	2025	2	22	9	74	153	153	20
Visayas	2025	2	22	10	77	153	153	20
Visayas	2025	2	22	11	82	153	153	20
Visayas	2025	2	22	12	79	153	153	20
Visayas	2025	2	22	13	80	153	153	20
Visayas	2025	2	22	14	84	153	153	20
Visayas	2025	2	22	15	85	153	153	20
Visayas	2025	2	22	16	83	153	153	20
Visayas	2025	2	22	17	81	153	153	20
Visayas	2025	2	22	18	86	153	153	20
Visayas	2025	2	22	19	89	153	153	20
Visayas	2025	2	22	20	86	153	153	20
Visayas	2025	2	22	21	83	153	153	20
Visayas	2025	2	22	22	80	153	153	20
Visayas	2025	2	22	23	74	153	153	20
Visayas	2025	2	22	24	70	153	153	20
Visayas	2025	2	23	1	66	153	153	20
Visayas	2025	2	23	2	64	153	153	20
Visayas	2025	2	23	3	62	153	153	20
Visayas	2025	2	23	4	60	153	153	20
Visayas	2025	2	23	5	62	153	153	20
Visayas	2025	2	23	6	61	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	23	7	60	153	153	20
Visayas	2025	2	23	8	62	153	153	20
Visayas	2025	2	23	9	65	153	153	20
Visayas	2025	2	23	10	72	153	153	20
Visayas	2025	2	23	11	73	153	153	20
Visayas	2025	2	23	12	74	153	153	20
Visayas	2025	2	23	13	75	153	153	20
Visayas	2025	2	23	14	79	153	153	20
Visayas	2025	2	23	15	79	153	153	20
Visayas	2025	2	23	16	78	153	153	20
Visayas	2025	2	23	17	76	153	153	20
Visayas	2025	2	23	18	85	153	153	20
Visayas	2025	2	23	19	87	153	153	20
Visayas	2025	2	23	20	83	153	153	20
Visayas	2025	2	23	21	82	153	153	20
Visayas	2025	2	23	22	78	153	153	20
Visayas	2025	2	23	23	74	153	153	20
Visayas	2025	2	23	24	69	153	153	20
Visayas	2025	2	24	1	65	153	153	20
Visayas	2025	2	24	2	62	153	153	20
Visayas	2025	2	24	3	61	153	153	20
Visayas	2025	2	24	4	59	153	153	20
Visayas	2025	2	24	5	60	153	153	20
Visayas	2025	2	24	6	62	153	153	20
Visayas	2025	2	24	7	64	153	153	20
Visayas	2025	2	24	8	72	153	153	20
Visayas	2025	2	24	9	87	153	153	20
Visayas	2025	2	24	10	92	153	153	20
Visayas	2025	2	24	11	97	153	153	20
Visayas	2025	2	24	12	93	153	153	20
Visayas	2025	2	24	13	95	153	153	20
Visayas	2025	2	24	14	99	153	153	20
Visayas	2025	2	24	15	99	153	153	20
Visayas	2025	2	24	16	96	153	153	20
Visayas	2025	2	24	17	89	153	153	20
Visayas	2025	2	24	18	90	153	153	20
Visayas	2025	2	24	19	92	153	153	20
Visayas	2025	2	24	20	88	153	153	20
Visayas	2025	2	24	21	86	153	153	20
Visayas	2025	2	24	22	79	153	153	20
Visayas	2025	2	24	23	74	153	153	20
Visayas	2025	2	24	24	70	153	153	20
Visayas	2025	2	25	1	67	153	153	20
Visayas	2025	2	25	2	64	153	153	20
Visayas	2025	2	25	3	62	153	153	20
Visayas	2025	2	25	4	61	153	153	20
Visayas	2025	2	25	5	61	153	153	20
Visayas	2025	2	25	6	62	153	153	20
Visayas	2025	2	25	7	62	153	153	20
Visayas	2025	2	25	8	68	153	153	20
Visayas	2025	2	25	9	78	153	153	20
Visayas	2025	2	25	10	80	153	153	20
Visayas	2025	2	25	11	83	153	153	20
Visayas	2025	2	25	12	82	153	153	20
Visayas	2025	2	25	13	82	153	153	20
Visayas	2025	2	25	14	86	153	153	20
Visayas	2025	2	25	15	86	153	153	20
Visayas	2025	2	25	16	85	153	153	20
Visayas	2025	2	25	17	83	153	153	20
Visayas	2025	2	25	18	87	153	153	20
Visayas	2025	2	25	19	91	153	153	20
Visayas	2025	2	25	20	86	153	153	20
Visayas	2025	2	25	21	82	153	153	20
Visayas	2025	2	25	22	79	153	153	20
Visayas	2025	2	25	23	72	153	153	20
Visayas	2025	2	25	24	68	153	153	20
Visayas	2025	2	26	1	63	153	153	20
Visayas	2025	2	26	2	61	153	153	20
Visayas	2025	2	26	3	59	153	153	20
Visayas	2025	2	26	4	59	153	153	20
Visayas	2025	2	26	5	60	153	153	20
Visayas	2025	2	26	6	63	153	153	20
Visayas	2025	2	26	7	64	153	153	20
Visayas	2025	2	26	8	73	153	153	20
Visayas	2025	2	26	9	84	153	153	20
Visayas	2025	2	26	10	89	153	153	20
Visayas	2025	2	26	11	92	153	153	20
Visayas	2025	2	26	12	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	2	26	13	90	153	153	20
Visayas	2025	2	26	14	95	153	153	20
Visayas	2025	2	26	15	95	153	153	20
Visayas	2025	2	26	16	95	153	153	20
Visayas	2025	2	26	17	89	153	153	20
Visayas	2025	2	26	18	88	153	153	20
Visayas	2025	2	26	19	91	153	153	20
Visayas	2025	2	26	20	85	153	153	20
Visayas	2025	2	26	21	81	153	153	20
Visayas	2025	2	26	22	75	153	153	20
Visayas	2025	2	26	23	71	153	153	20
Visayas	2025	2	26	24	67	153	153	20
Visayas	2025	2	27	1	63	153	153	20
Visayas	2025	2	27	2	61	153	153	20
Visayas	2025	2	27	3	60	153	153	20
Visayas	2025	2	27	4	59	153	153	20
Visayas	2025	2	27	5	60	153	153	20
Visayas	2025	2	27	6	64	153	153	20
Visayas	2025	2	27	7	64	153	153	20
Visayas	2025	2	27	8	71	153	153	20
Visayas	2025	2	27	9	87	153	153	20
Visayas	2025	2	27	10	92	153	153	20
Visayas	2025	2	27	11	95	153	153	20
Visayas	2025	2	27	12	93	153	153	20
Visayas	2025	2	27	13	94	153	153	20
Visayas	2025	2	27	14	98	153	153	20
Visayas	2025	2	27	15	96	153	153	20
Visayas	2025	2	27	16	94	153	153	20
Visayas	2025	2	27	17	89	153	153	20
Visayas	2025	2	27	18	91	153	153	20
Visayas	2025	2	27	19	93	153	153	20
Visayas	2025	2	27	20	88	153	153	20
Visayas	2025	2	27	21	85	153	153	20
Visayas	2025	2	27	22	79	153	153	20
Visayas	2025	2	27	23	73	153	153	20
Visayas	2025	2	27	24	69	153	153	20
Visayas	2025	2	28	1	64	153	153	20
Visayas	2025	2	28	2	62	153	153	20
Visayas	2025	2	28	3	60	153	153	20
Visayas	2025	2	28	4	59	153	153	20
Visayas	2025	2	28	5	61	153	153	20
Visayas	2025	2	28	6	64	153	153	20
Visayas	2025	2	28	7	66	153	153	20
Visayas	2025	2	28	8	75	153	153	20
Visayas	2025	2	28	9	89	153	153	20
Visayas	2025	2	28	10	94	153	153	20
Visayas	2025	2	28	11	101	153	153	20
Visayas	2025	2	28	12	95	153	153	20
Visayas	2025	2	28	13	96	153	153	20
Visayas	2025	2	28	14	102	153	153	20
Visayas	2025	2	28	15	103	153	153	20
Visayas	2025	2	28	16	97	153	153	20
Visayas	2025	2	28	17	93	153	153	20
Visayas	2025	2	28	18	94	153	153	20
Visayas	2025	2	28	19	96	153	153	20
Visayas	2025	2	28	20	92	153	153	20
Visayas	2025	2	28	21	89	153	153	20
Visayas	2025	2	28	22	84	153	153	20
Visayas	2025	2	28	23	77	153	153	20
Visayas	2025	2	28	24	74	153	153	20
Visayas	2025	3	1	1	65	153	153	20
Visayas	2025	3	1	2	63	153	153	20
Visayas	2025	3	1	3	61	153	153	20
Visayas	2025	3	1	4	60	153	153	20
Visayas	2025	3	1	5	60	153	153	20
Visayas	2025	3	1	6	62	153	153	20
Visayas	2025	3	1	7	59	153	153	20
Visayas	2025	3	1	8	64	153	153	20
Visayas	2025	3	1	9	70	153	153	20
Visayas	2025	3	1	10	76	153	153	20
Visayas	2025	3	1	11	79	153	153	20
Visayas	2025	3	1	12	77	153	153	20
Visayas	2025	3	1	13	78	153	153	20
Visayas	2025	3	1	14	82	153	153	20
Visayas	2025	3	1	15	81	153	153	20
Visayas	2025	3	1	16	80	153	153	20
Visayas	2025	3	1	17	78	153	153	20
Visayas	2025	3	1	18	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	1	19	90	153	153	20
Visayas	2025	3	1	20	84	153	153	20
Visayas	2025	3	1	21	81	153	153	20
Visayas	2025	3	1	22	78	153	153	20
Visayas	2025	3	1	23	72	153	153	20
Visayas	2025	3	1	24	69	153	153	20
Visayas	2025	3	2	1	66	153	153	20
Visayas	2025	3	2	2	65	153	153	20
Visayas	2025	3	2	3	61	153	153	20
Visayas	2025	3	2	4	60	153	153	20
Visayas	2025	3	2	5	61	153	153	20
Visayas	2025	3	2	6	61	153	153	20
Visayas	2025	3	2	7	60	153	153	20
Visayas	2025	3	2	8	62	153	153	20
Visayas	2025	3	2	9	67	153	153	20
Visayas	2025	3	2	10	71	153	153	20
Visayas	2025	3	2	11	72	153	153	20
Visayas	2025	3	2	12	72	153	153	20
Visayas	2025	3	2	13	72	153	153	20
Visayas	2025	3	2	14	74	153	153	20
Visayas	2025	3	2	15	74	153	153	20
Visayas	2025	3	2	16	75	153	153	20
Visayas	2025	3	2	17	73	153	153	20
Visayas	2025	3	2	18	81	153	153	20
Visayas	2025	3	2	19	85	153	153	20
Visayas	2025	3	2	20	81	153	153	20
Visayas	2025	3	2	21	79	153	153	20
Visayas	2025	3	2	22	75	153	153	20
Visayas	2025	3	2	23	68	153	153	20
Visayas	2025	3	2	24	64	153	153	20
Visayas	2025	3	3	1	61	153	153	20
Visayas	2025	3	3	2	59	153	153	20
Visayas	2025	3	3	3	58	153	153	20
Visayas	2025	3	3	4	58	153	153	20
Visayas	2025	3	3	5	59	153	153	20
Visayas	2025	3	3	6	62	153	153	20
Visayas	2025	3	3	7	63	153	153	20
Visayas	2025	3	3	8	71	153	153	20
Visayas	2025	3	3	9	82	153	153	20
Visayas	2025	3	3	10	87	153	153	20
Visayas	2025	3	3	11	89	153	153	20
Visayas	2025	3	3	12	87	153	153	20
Visayas	2025	3	3	13	86	153	153	20
Visayas	2025	3	3	14	88	153	153	20
Visayas	2025	3	3	15	88	153	153	20
Visayas	2025	3	3	16	87	153	153	20
Visayas	2025	3	3	17	84	153	153	20
Visayas	2025	3	3	18	87	153	153	20
Visayas	2025	3	3	19	88	153	153	20
Visayas	2025	3	3	20	83	153	153	20
Visayas	2025	3	3	21	79	153	153	20
Visayas	2025	3	3	22	75	153	153	20
Visayas	2025	3	3	23	70	153	153	20
Visayas	2025	3	3	24	65	153	153	20
Visayas	2025	3	4	1	61	153	153	20
Visayas	2025	3	4	2	60	153	153	20
Visayas	2025	3	4	3	59	153	153	20
Visayas	2025	3	4	4	58	153	153	20
Visayas	2025	3	4	5	59	153	153	20
Visayas	2025	3	4	6	63	153	153	20
Visayas	2025	3	4	7	65	153	153	20
Visayas	2025	3	4	8	72	153	153	20
Visayas	2025	3	4	9	87	153	153	20
Visayas	2025	3	4	10	95	153	153	20
Visayas	2025	3	4	11	99	153	153	20
Visayas	2025	3	4	12	97	153	153	20
Visayas	2025	3	4	13	101	153	153	20
Visayas	2025	3	4	14	102	153	153	20
Visayas	2025	3	4	15	100	153	153	20
Visayas	2025	3	4	16	97	153	153	20
Visayas	2025	3	4	17	93	153	153	20
Visayas	2025	3	4	18	93	153	153	20
Visayas	2025	3	4	19	96	153	153	20
Visayas	2025	3	4	20	90	153	153	20
Visayas	2025	3	4	21	88	153	153	20
Visayas	2025	3	4	22	82	153	153	20
Visayas	2025	3	4	23	76	153	153	20
Visayas	2025	3	4	24	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	5	1	67	153	153	20
Visayas	2025	3	5	2	65	153	153	20
Visayas	2025	3	5	3	62	153	153	20
Visayas	2025	3	5	4	60	153	153	20
Visayas	2025	3	5	5	61	153	153	20
Visayas	2025	3	5	6	64	153	153	20
Visayas	2025	3	5	7	65	153	153	20
Visayas	2025	3	5	8	76	153	153	20
Visayas	2025	3	5	9	89	153	153	20
Visayas	2025	3	5	10	94	153	153	20
Visayas	2025	3	5	11	100	153	153	20
Visayas	2025	3	5	12	96	153	153	20
Visayas	2025	3	5	13	96	153	153	20
Visayas	2025	3	5	14	103	153	153	20
Visayas	2025	3	5	15	101	153	153	20
Visayas	2025	3	5	16	98	153	153	20
Visayas	2025	3	5	17	91	153	153	20
Visayas	2025	3	5	18	93	153	153	20
Visayas	2025	3	5	19	93	153	153	20
Visayas	2025	3	5	20	91	153	153	20
Visayas	2025	3	5	21	87	153	153	20
Visayas	2025	3	5	22	82	153	153	20
Visayas	2025	3	5	23	77	153	153	20
Visayas	2025	3	5	24	72	153	153	20
Visayas	2025	3	6	1	70	153	153	20
Visayas	2025	3	6	2	66	153	153	20
Visayas	2025	3	6	3	64	153	153	20
Visayas	2025	3	6	4	63	153	153	20
Visayas	2025	3	6	5	64	153	153	20
Visayas	2025	3	6	6	68	153	153	20
Visayas	2025	3	6	7	68	153	153	20
Visayas	2025	3	6	8	78	153	153	20
Visayas	2025	3	6	9	89	153	153	20
Visayas	2025	3	6	10	96	153	153	20
Visayas	2025	3	6	11	101	153	153	20
Visayas	2025	3	6	12	97	153	153	20
Visayas	2025	3	6	13	95	153	153	20
Visayas	2025	3	6	14	100	153	153	20
Visayas	2025	3	6	15	96	153	153	20
Visayas	2025	3	6	16	92	153	153	20
Visayas	2025	3	6	17	89	153	153	20
Visayas	2025	3	6	18	91	153	153	20
Visayas	2025	3	6	19	91	153	153	20
Visayas	2025	3	6	20	86	153	153	20
Visayas	2025	3	6	21	84	153	153	20
Visayas	2025	3	6	22	76	153	153	20
Visayas	2025	3	6	23	73	153	153	20
Visayas	2025	3	6	24	67	153	153	20
Visayas	2025	3	7	1	64	153	153	20
Visayas	2025	3	7	2	62	153	153	20
Visayas	2025	3	7	3	60	153	153	20
Visayas	2025	3	7	4	59	153	153	20
Visayas	2025	3	7	5	61	153	153	20
Visayas	2025	3	7	6	64	153	153	20
Visayas	2025	3	7	7	66	153	153	20
Visayas	2025	3	7	8	75	153	153	20
Visayas	2025	3	7	9	89	153	153	20
Visayas	2025	3	7	10	94	153	153	20
Visayas	2025	3	7	11	101	153	153	20
Visayas	2025	3	7	12	95	153	153	20
Visayas	2025	3	7	13	96	153	153	20
Visayas	2025	3	7	14	102	153	153	20
Visayas	2025	3	7	15	103	153	153	20
Visayas	2025	3	7	16	97	153	153	20
Visayas	2025	3	7	17	93	153	153	20
Visayas	2025	3	7	18	94	153	153	20
Visayas	2025	3	7	19	96	153	153	20
Visayas	2025	3	7	20	92	153	153	20
Visayas	2025	3	7	21	89	153	153	20
Visayas	2025	3	7	22	84	153	153	20
Visayas	2025	3	7	23	77	153	153	20
Visayas	2025	3	7	24	74	153	153	20
Visayas	2025	3	8	1	69	153	153	20
Visayas	2025	3	8	2	67	153	153	20
Visayas	2025	3	8	3	65	153	153	20
Visayas	2025	3	8	4	65	153	153	20
Visayas	2025	3	8	5	64	153	153	20
Visayas	2025	3	8	6	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	8	7	65	153	153	20
Visayas	2025	3	8	8	72	153	153	20
Visayas	2025	3	8	9	80	153	153	20
Visayas	2025	3	8	10	87	153	153	20
Visayas	2025	3	8	11	91	153	153	20
Visayas	2025	3	8	12	88	153	153	20
Visayas	2025	3	8	13	90	153	153	20
Visayas	2025	3	8	14	92	153	153	20
Visayas	2025	3	8	15	90	153	153	20
Visayas	2025	3	8	16	89	153	153	20
Visayas	2025	3	8	17	86	153	153	20
Visayas	2025	3	8	18	89	153	153	20
Visayas	2025	3	8	19	91	153	153	20
Visayas	2025	3	8	20	88	153	153	20
Visayas	2025	3	8	21	85	153	153	20
Visayas	2025	3	8	22	80	153	153	20
Visayas	2025	3	8	23	76	153	153	20
Visayas	2025	3	8	24	71	153	153	20
Visayas	2025	3	9	1	68	153	153	20
Visayas	2025	3	9	2	65	153	153	20
Visayas	2025	3	9	3	63	153	153	20
Visayas	2025	3	9	4	61	153	153	20
Visayas	2025	3	9	5	60	153	153	20
Visayas	2025	3	9	6	63	153	153	20
Visayas	2025	3	9	7	61	153	153	20
Visayas	2025	3	9	8	62	153	153	20
Visayas	2025	3	9	9	67	153	153	20
Visayas	2025	3	9	10	71	153	153	20
Visayas	2025	3	9	11	75	153	153	20
Visayas	2025	3	9	12	71	153	153	20
Visayas	2025	3	9	13	69	153	153	20
Visayas	2025	3	9	14	70	153	153	20
Visayas	2025	3	9	15	70	153	153	20
Visayas	2025	3	9	16	71	153	153	20
Visayas	2025	3	9	17	73	153	153	20
Visayas	2025	3	9	18	76	153	153	20
Visayas	2025	3	9	19	81	153	153	20
Visayas	2025	3	9	20	76	153	153	20
Visayas	2025	3	9	21	73	153	153	20
Visayas	2025	3	9	22	67	153	153	20
Visayas	2025	3	9	23	64	153	153	20
Visayas	2025	3	9	24	61	153	153	20
Visayas	2025	3	10	1	59	153	153	20
Visayas	2025	3	10	2	57	153	153	20
Visayas	2025	3	10	3	57	153	153	20
Visayas	2025	3	10	4	56	153	153	20
Visayas	2025	3	10	5	57	153	153	20
Visayas	2025	3	10	6	62	153	153	20
Visayas	2025	3	10	7	64	153	153	20
Visayas	2025	3	10	8	72	153	153	20
Visayas	2025	3	10	9	81	153	153	20
Visayas	2025	3	10	10	88	153	153	20
Visayas	2025	3	10	11	92	153	153	20
Visayas	2025	3	10	12	89	153	153	20
Visayas	2025	3	10	13	89	153	153	20
Visayas	2025	3	10	14	92	153	153	20
Visayas	2025	3	10	15	94	153	153	20
Visayas	2025	3	10	16	92	153	153	20
Visayas	2025	3	10	17	88	153	153	20
Visayas	2025	3	10	18	92	153	153	20
Visayas	2025	3	10	19	91	153	153	20
Visayas	2025	3	10	20	85	153	153	20
Visayas	2025	3	10	21	81	153	153	20
Visayas	2025	3	10	22	75	153	153	20
Visayas	2025	3	10	23	69	153	153	20
Visayas	2025	3	10	24	66	153	153	20
Visayas	2025	3	11	1	64	153	153	20
Visayas	2025	3	11	2	63	153	153	20
Visayas	2025	3	11	3	61	153	153	20
Visayas	2025	3	11	4	61	153	153	20
Visayas	2025	3	11	5	62	153	153	20
Visayas	2025	3	11	6	67	153	153	20
Visayas	2025	3	11	7	68	153	153	20
Visayas	2025	3	11	8	77	153	153	20
Visayas	2025	3	11	9	89	153	153	20
Visayas	2025	3	11	10	97	153	153	20
Visayas	2025	3	11	11	99	153	153	20
Visayas	2025	3	11	12	96	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	11	13	98	153	153	20
Visayas	2025	3	11	14	102	153	153	20
Visayas	2025	3	11	15	101	153	153	20
Visayas	2025	3	11	16	98	153	153	20
Visayas	2025	3	11	17	89	153	153	20
Visayas	2025	3	11	18	90	153	153	20
Visayas	2025	3	11	19	93	153	153	20
Visayas	2025	3	11	20	87	153	153	20
Visayas	2025	3	11	21	84	153	153	20
Visayas	2025	3	11	22	80	153	153	20
Visayas	2025	3	11	23	74	153	153	20
Visayas	2025	3	11	24	69	153	153	20
Visayas	2025	3	12	1	67	153	153	20
Visayas	2025	3	12	2	65	153	153	20
Visayas	2025	3	12	3	63	153	153	20
Visayas	2025	3	12	4	62	153	153	20
Visayas	2025	3	12	5	64	153	153	20
Visayas	2025	3	12	6	67	153	153	20
Visayas	2025	3	12	7	69	153	153	20
Visayas	2025	3	12	8	77	153	153	20
Visayas	2025	3	12	9	90	153	153	20
Visayas	2025	3	12	10	97	153	153	20
Visayas	2025	3	12	11	98	153	153	20
Visayas	2025	3	12	12	94	153	153	20
Visayas	2025	3	12	13	94	153	153	20
Visayas	2025	3	12	14	98	153	153	20
Visayas	2025	3	12	15	96	153	153	20
Visayas	2025	3	12	16	94	153	153	20
Visayas	2025	3	12	17	89	153	153	20
Visayas	2025	3	12	18	92	153	153	20
Visayas	2025	3	12	19	94	153	153	20
Visayas	2025	3	12	20	86	153	153	20
Visayas	2025	3	12	21	83	153	153	20
Visayas	2025	3	12	22	76	153	153	20
Visayas	2025	3	12	23	73	153	153	20
Visayas	2025	3	12	24	69	153	153	20
Visayas	2025	3	13	1	66	153	153	20
Visayas	2025	3	13	2	63	153	153	20
Visayas	2025	3	13	3	60	153	153	20
Visayas	2025	3	13	4	59	153	153	20
Visayas	2025	3	13	5	60	153	153	20
Visayas	2025	3	13	6	64	153	153	20
Visayas	2025	3	13	7	66	153	153	20
Visayas	2025	3	13	8	73	153	153	20
Visayas	2025	3	13	9	85	153	153	20
Visayas	2025	3	13	10	92	153	153	20
Visayas	2025	3	13	11	94	153	153	20
Visayas	2025	3	13	12	92	153	153	20
Visayas	2025	3	13	13	92	153	153	20
Visayas	2025	3	13	14	96	153	153	20
Visayas	2025	3	13	15	94	153	153	20
Visayas	2025	3	13	16	93	153	153	20
Visayas	2025	3	13	17	89	153	153	20
Visayas	2025	3	13	18	92	153	153	20
Visayas	2025	3	13	19	95	153	153	20
Visayas	2025	3	13	20	88	153	153	20
Visayas	2025	3	13	21	84	153	153	20
Visayas	2025	3	13	22	79	153	153	20
Visayas	2025	3	13	23	73	153	153	20
Visayas	2025	3	13	24	70	153	153	20
Visayas	2025	3	14	1	67	153	153	20
Visayas	2025	3	14	2	65	153	153	20
Visayas	2025	3	14	3	62	153	153	20
Visayas	2025	3	14	4	62	153	153	20
Visayas	2025	3	14	5	63	153	153	20
Visayas	2025	3	14	6	67	153	153	20
Visayas	2025	3	14	7	68	153	153	20
Visayas	2025	3	14	8	75	153	153	20
Visayas	2025	3	14	9	87	153	153	20
Visayas	2025	3	14	10	94	153	153	20
Visayas	2025	3	14	11	98	153	153	20
Visayas	2025	3	14	12	97	153	153	20
Visayas	2025	3	14	13	97	153	153	20
Visayas	2025	3	14	14	100	153	153	20
Visayas	2025	3	14	15	100	153	153	20
Visayas	2025	3	14	16	97	153	153	20
Visayas	2025	3	14	17	90	153	153	20
Visayas	2025	3	14	18	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	14	19	94	153	153	20
Visayas	2025	3	14	20	89	153	153	20
Visayas	2025	3	14	21	87	153	153	20
Visayas	2025	3	14	22	81	153	153	20
Visayas	2025	3	14	23	77	153	153	20
Visayas	2025	3	14	24	71	153	153	20
Visayas	2025	3	15	1	69	153	153	20
Visayas	2025	3	15	2	66	153	153	20
Visayas	2025	3	15	3	64	153	153	20
Visayas	2025	3	15	4	63	153	153	20
Visayas	2025	3	15	5	64	153	153	20
Visayas	2025	3	15	6	67	153	153	20
Visayas	2025	3	15	7	65	153	153	20
Visayas	2025	3	15	8	73	153	153	20
Visayas	2025	3	15	9	81	153	153	20
Visayas	2025	3	15	10	88	153	153	20
Visayas	2025	3	15	11	90	153	153	20
Visayas	2025	3	15	12	87	153	153	20
Visayas	2025	3	15	13	89	153	153	20
Visayas	2025	3	15	14	92	153	153	20
Visayas	2025	3	15	15	91	153	153	20
Visayas	2025	3	15	16	87	153	153	20
Visayas	2025	3	15	17	83	153	153	20
Visayas	2025	3	15	18	88	153	153	20
Visayas	2025	3	15	19	92	153	153	20
Visayas	2025	3	15	20	89	153	153	20
Visayas	2025	3	15	21	86	153	153	20
Visayas	2025	3	15	22	81	153	153	20
Visayas	2025	3	15	23	76	153	153	20
Visayas	2025	3	15	24	72	153	153	20
Visayas	2025	3	16	1	68	153	153	20
Visayas	2025	3	16	2	65	153	153	20
Visayas	2025	3	16	3	63	153	153	20
Visayas	2025	3	16	4	62	153	153	20
Visayas	2025	3	16	5	62	153	153	20
Visayas	2025	3	16	6	63	153	153	20
Visayas	2025	3	16	7	60	153	153	20
Visayas	2025	3	16	8	64	153	153	20
Visayas	2025	3	16	9	68	153	153	20
Visayas	2025	3	16	10	74	153	153	20
Visayas	2025	3	16	11	76	153	153	20
Visayas	2025	3	16	12	76	153	153	20
Visayas	2025	3	16	13	76	153	153	20
Visayas	2025	3	16	14	78	153	153	20
Visayas	2025	3	16	15	77	153	153	20
Visayas	2025	3	16	16	77	153	153	20
Visayas	2025	3	16	17	79	153	153	20
Visayas	2025	3	16	18	85	153	153	20
Visayas	2025	3	16	19	88	153	153	20
Visayas	2025	3	16	20	86	153	153	20
Visayas	2025	3	16	21	85	153	153	20
Visayas	2025	3	16	22	82	153	153	20
Visayas	2025	3	16	23	77	153	153	20
Visayas	2025	3	16	24	71	153	153	20
Visayas	2025	3	17	1	68	153	153	20
Visayas	2025	3	17	2	65	153	153	20
Visayas	2025	3	17	3	63	153	153	20
Visayas	2025	3	17	4	62	153	153	20
Visayas	2025	3	17	5	63	153	153	20
Visayas	2025	3	17	6	66	153	153	20
Visayas	2025	3	17	7	67	153	153	20
Visayas	2025	3	17	8	79	153	153	20
Visayas	2025	3	17	9	94	153	153	20
Visayas	2025	3	17	10	99	153	153	20
Visayas	2025	3	17	11	103	153	153	20
Visayas	2025	3	17	12	103	153	153	20
Visayas	2025	3	17	13	101	153	153	20
Visayas	2025	3	17	14	105	153	153	20
Visayas	2025	3	17	15	106	153	153	20
Visayas	2025	3	17	16	102	153	153	20
Visayas	2025	3	17	17	97	153	153	20
Visayas	2025	3	17	18	97	153	153	20
Visayas	2025	3	17	19	99	153	153	20
Visayas	2025	3	17	20	96	153	153	20
Visayas	2025	3	17	21	92	153	153	20
Visayas	2025	3	17	22	86	153	153	20
Visayas	2025	3	17	23	81	153	153	20
Visayas	2025	3	17	24	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	18	1	72	153	153	20
Visayas	2025	3	18	2	69	153	153	20
Visayas	2025	3	18	3	67	153	153	20
Visayas	2025	3	18	4	66	153	153	20
Visayas	2025	3	18	5	66	153	153	20
Visayas	2025	3	18	6	71	153	153	20
Visayas	2025	3	18	7	71	153	153	20
Visayas	2025	3	18	8	79	153	153	20
Visayas	2025	3	18	9	93	153	153	20
Visayas	2025	3	18	10	100	153	153	20
Visayas	2025	3	18	11	105	153	153	20
Visayas	2025	3	18	12	102	153	153	20
Visayas	2025	3	18	13	104	153	153	20
Visayas	2025	3	18	14	109	153	153	20
Visayas	2025	3	18	15	105	153	153	20
Visayas	2025	3	18	16	102	153	153	20
Visayas	2025	3	18	17	96	153	153	20
Visayas	2025	3	18	18	96	153	153	20
Visayas	2025	3	18	19	100	153	153	20
Visayas	2025	3	18	20	97	153	153	20
Visayas	2025	3	18	21	94	153	153	20
Visayas	2025	3	18	22	88	153	153	20
Visayas	2025	3	18	23	82	153	153	20
Visayas	2025	3	18	24	78	153	153	20
Visayas	2025	3	19	1	74	153	153	20
Visayas	2025	3	19	2	72	153	153	20
Visayas	2025	3	19	3	69	153	153	20
Visayas	2025	3	19	4	67	153	153	20
Visayas	2025	3	19	5	68	153	153	20
Visayas	2025	3	19	6	71	153	153	20
Visayas	2025	3	19	7	71	153	153	20
Visayas	2025	3	19	8	83	153	153	20
Visayas	2025	3	19	9	96	153	153	20
Visayas	2025	3	19	10	104	153	153	20
Visayas	2025	3	19	11	108	153	153	20
Visayas	2025	3	19	12	104	153	153	20
Visayas	2025	3	19	13	107	153	153	20
Visayas	2025	3	19	14	108	153	153	20
Visayas	2025	3	19	15	113	153	153	20
Visayas	2025	3	19	16	107	153	153	20
Visayas	2025	3	19	17	102	153	153	20
Visayas	2025	3	19	18	99	153	153	20
Visayas	2025	3	19	19	103	153	153	20
Visayas	2025	3	19	20	98	153	153	20
Visayas	2025	3	19	21	95	153	153	20
Visayas	2025	3	19	22	89	153	153	20
Visayas	2025	3	19	23	84	153	153	20
Visayas	2025	3	19	24	79	153	153	20
Visayas	2025	3	20	1	76	153	153	20
Visayas	2025	3	20	2	73	153	153	20
Visayas	2025	3	20	3	70	153	153	20
Visayas	2025	3	20	4	68	153	153	20
Visayas	2025	3	20	5	69	153	153	20
Visayas	2025	3	20	6	72	153	153	20
Visayas	2025	3	20	7	72	153	153	20
Visayas	2025	3	20	8	83	153	153	20
Visayas	2025	3	20	9	97	153	153	20
Visayas	2025	3	20	10	105	153	153	20
Visayas	2025	3	20	11	111	153	153	20
Visayas	2025	3	20	12	107	153	153	20
Visayas	2025	3	20	13	109	153	153	20
Visayas	2025	3	20	14	114	153	153	20
Visayas	2025	3	20	15	114	153	153	20
Visayas	2025	3	20	16	112	153	153	20
Visayas	2025	3	20	17	101	153	153	20
Visayas	2025	3	20	18	98	153	153	20
Visayas	2025	3	20	19	105	153	153	20
Visayas	2025	3	20	20	99	153	153	20
Visayas	2025	3	20	21	96	153	153	20
Visayas	2025	3	20	22	91	153	153	20
Visayas	2025	3	20	23	86	153	153	20
Visayas	2025	3	20	24	81	153	153	20
Visayas	2025	3	21	1	76	153	153	20
Visayas	2025	3	21	2	73	153	153	20
Visayas	2025	3	21	3	70	153	153	20
Visayas	2025	3	21	4	68	153	153	20
Visayas	2025	3	21	5	69	153	153	20
Visayas	2025	3	21	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	21	7	70	153	153	20
Visayas	2025	3	21	8	80	153	153	20
Visayas	2025	3	21	9	95	153	153	20
Visayas	2025	3	21	10	103	153	153	20
Visayas	2025	3	21	11	106	153	153	20
Visayas	2025	3	21	12	104	153	153	20
Visayas	2025	3	21	13	106	153	153	20
Visayas	2025	3	21	14	111	153	153	20
Visayas	2025	3	21	15	113	153	153	20
Visayas	2025	3	21	16	107	153	153	20
Visayas	2025	3	21	17	101	153	153	20
Visayas	2025	3	21	18	100	153	153	20
Visayas	2025	3	21	19	105	153	153	20
Visayas	2025	3	21	20	102	153	153	20
Visayas	2025	3	21	21	99	153	153	20
Visayas	2025	3	21	22	95	153	153	20
Visayas	2025	3	21	23	88	153	153	20
Visayas	2025	3	21	24	84	153	153	20
Visayas	2025	3	22	1	80	153	153	20
Visayas	2025	3	22	2	76	153	153	20
Visayas	2025	3	22	3	75	153	153	20
Visayas	2025	3	22	4	71	153	153	20
Visayas	2025	3	22	5	70	153	153	20
Visayas	2025	3	22	6	70	153	153	20
Visayas	2025	3	22	7	67	153	153	20
Visayas	2025	3	22	8	76	153	153	20
Visayas	2025	3	22	9	87	153	153	20
Visayas	2025	3	22	10	94	153	153	20
Visayas	2025	3	22	11	98	153	153	20
Visayas	2025	3	22	12	95	153	153	20
Visayas	2025	3	22	13	98	153	153	20
Visayas	2025	3	22	14	102	153	153	20
Visayas	2025	3	22	15	101	153	153	20
Visayas	2025	3	22	16	97	153	153	20
Visayas	2025	3	22	17	89	153	153	20
Visayas	2025	3	22	18	97	153	153	20
Visayas	2025	3	22	19	102	153	153	20
Visayas	2025	3	22	20	99	153	153	20
Visayas	2025	3	22	21	97	153	153	20
Visayas	2025	3	22	22	93	153	153	20
Visayas	2025	3	22	23	88	153	153	20
Visayas	2025	3	22	24	84	153	153	20
Visayas	2025	3	23	1	79	153	153	20
Visayas	2025	3	23	2	75	153	153	20
Visayas	2025	3	23	3	72	153	153	20
Visayas	2025	3	23	4	70	153	153	20
Visayas	2025	3	23	5	69	153	153	20
Visayas	2025	3	23	6	68	153	153	20
Visayas	2025	3	23	7	66	153	153	20
Visayas	2025	3	23	8	68	153	153	20
Visayas	2025	3	23	9	74	153	153	20
Visayas	2025	3	23	10	80	153	153	20
Visayas	2025	3	23	11	84	153	153	20
Visayas	2025	3	23	12	81	153	153	20
Visayas	2025	3	23	13	83	153	153	20
Visayas	2025	3	23	14	82	153	153	20
Visayas	2025	3	23	15	80	153	153	20
Visayas	2025	3	23	16	78	153	153	20
Visayas	2025	3	23	17	77	153	153	20
Visayas	2025	3	23	18	83	153	153	20
Visayas	2025	3	23	19	88	153	153	20
Visayas	2025	3	23	20	86	153	153	20
Visayas	2025	3	23	21	83	153	153	20
Visayas	2025	3	23	22	80	153	153	20
Visayas	2025	3	23	23	77	153	153	20
Visayas	2025	3	23	24	71	153	153	20
Visayas	2025	3	24	1	68	153	153	20
Visayas	2025	3	24	2	65	153	153	20
Visayas	2025	3	24	3	63	153	153	20
Visayas	2025	3	24	4	62	153	153	20
Visayas	2025	3	24	5	63	153	153	20
Visayas	2025	3	24	6	68	153	153	20
Visayas	2025	3	24	7	67	153	153	20
Visayas	2025	3	24	8	80	153	153	20
Visayas	2025	3	24	9	93	153	153	20
Visayas	2025	3	24	10	102	153	153	20
Visayas	2025	3	24	11	107	153	153	20
Visayas	2025	3	24	12	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	24	13	105	153	153	20
Visayas	2025	3	24	14	110	153	153	20
Visayas	2025	3	24	15	111	153	153	20
Visayas	2025	3	24	16	107	153	153	20
Visayas	2025	3	24	17	99	153	153	20
Visayas	2025	3	24	18	100	153	153	20
Visayas	2025	3	24	19	103	153	153	20
Visayas	2025	3	24	20	99	153	153	20
Visayas	2025	3	24	21	96	153	153	20
Visayas	2025	3	24	22	89	153	153	20
Visayas	2025	3	24	23	85	153	153	20
Visayas	2025	3	24	24	79	153	153	20
Visayas	2025	3	25	1	75	153	153	20
Visayas	2025	3	25	2	72	153	153	20
Visayas	2025	3	25	3	69	153	153	20
Visayas	2025	3	25	4	67	153	153	20
Visayas	2025	3	25	5	69	153	153	20
Visayas	2025	3	25	6	71	153	153	20
Visayas	2025	3	25	7	70	153	153	20
Visayas	2025	3	25	8	82	153	153	20
Visayas	2025	3	25	9	96	153	153	20
Visayas	2025	3	25	10	105	153	153	20
Visayas	2025	3	25	11	110	153	153	20
Visayas	2025	3	25	12	107	153	153	20
Visayas	2025	3	25	13	109	153	153	20
Visayas	2025	3	25	14	115	153	153	20
Visayas	2025	3	25	15	115	153	153	20
Visayas	2025	3	25	16	109	153	153	20
Visayas	2025	3	25	17	101	153	153	20
Visayas	2025	3	25	18	99	153	153	20
Visayas	2025	3	25	19	103	153	153	20
Visayas	2025	3	25	20	99	153	153	20
Visayas	2025	3	25	21	96	153	153	20
Visayas	2025	3	25	22	90	153	153	20
Visayas	2025	3	25	23	85	153	153	20
Visayas	2025	3	25	24	79	153	153	20
Visayas	2025	3	26	1	75	153	153	20
Visayas	2025	3	26	2	72	153	153	20
Visayas	2025	3	26	3	69	153	153	20
Visayas	2025	3	26	4	67	153	153	20
Visayas	2025	3	26	5	69	153	153	20
Visayas	2025	3	26	6	71	153	153	20
Visayas	2025	3	26	7	71	153	153	20
Visayas	2025	3	26	8	81	153	153	20
Visayas	2025	3	26	9	96	153	153	20
Visayas	2025	3	26	10	106	153	153	20
Visayas	2025	3	26	11	109	153	153	20
Visayas	2025	3	26	12	107	153	153	20
Visayas	2025	3	26	13	110	153	153	20
Visayas	2025	3	26	14	117	153	153	20
Visayas	2025	3	26	15	114	153	153	20
Visayas	2025	3	26	16	111	153	153	20
Visayas	2025	3	26	17	102	153	153	20
Visayas	2025	3	26	18	100	153	153	20
Visayas	2025	3	26	19	105	153	153	20
Visayas	2025	3	26	20	100	153	153	20
Visayas	2025	3	26	21	97	153	153	20
Visayas	2025	3	26	22	91	153	153	20
Visayas	2025	3	26	23	88	153	153	20
Visayas	2025	3	26	24	83	153	153	20
Visayas	2025	3	27	1	77	153	153	20
Visayas	2025	3	27	2	74	153	153	20
Visayas	2025	3	27	3	71	153	153	20
Visayas	2025	3	27	4	69	153	153	20
Visayas	2025	3	27	5	70	153	153	20
Visayas	2025	3	27	6	72	153	153	20
Visayas	2025	3	27	7	73	153	153	20
Visayas	2025	3	27	8	83	153	153	20
Visayas	2025	3	27	9	98	153	153	20
Visayas	2025	3	27	10	106	153	153	20
Visayas	2025	3	27	11	111	153	153	20
Visayas	2025	3	27	12	109	153	153	20
Visayas	2025	3	27	13	111	153	153	20
Visayas	2025	3	27	14	116	153	153	20
Visayas	2025	3	27	15	115	153	153	20
Visayas	2025	3	27	16	112	153	153	20
Visayas	2025	3	27	17	104	153	153	20
Visayas	2025	3	27	18	99	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	27	19	105	153	153	20
Visayas	2025	3	27	20	99	153	153	20
Visayas	2025	3	27	21	97	153	153	20
Visayas	2025	3	27	22	94	153	153	20
Visayas	2025	3	27	23	85	153	153	20
Visayas	2025	3	27	24	81	153	153	20
Visayas	2025	3	28	1	76	153	153	20
Visayas	2025	3	28	2	73	153	153	20
Visayas	2025	3	28	3	70	153	153	20
Visayas	2025	3	28	4	68	153	153	20
Visayas	2025	3	28	5	69	153	153	20
Visayas	2025	3	28	6	71	153	153	20
Visayas	2025	3	28	7	71	153	153	20
Visayas	2025	3	28	8	82	153	153	20
Visayas	2025	3	28	9	97	153	153	20
Visayas	2025	3	28	10	106	153	153	20
Visayas	2025	3	28	11	110	153	153	20
Visayas	2025	3	28	12	107	153	153	20
Visayas	2025	3	28	13	110	153	153	20
Visayas	2025	3	28	14	114	153	153	20
Visayas	2025	3	28	15	113	153	153	20
Visayas	2025	3	28	16	109	153	153	20
Visayas	2025	3	28	17	102	153	153	20
Visayas	2025	3	28	18	99	153	153	20
Visayas	2025	3	28	19	103	153	153	20
Visayas	2025	3	28	20	101	153	153	20
Visayas	2025	3	28	21	97	153	153	20
Visayas	2025	3	28	22	92	153	153	20
Visayas	2025	3	28	23	86	153	153	20
Visayas	2025	3	28	24	81	153	153	20
Visayas	2025	3	29	1	78	153	153	20
Visayas	2025	3	29	2	74	153	153	20
Visayas	2025	3	29	3	71	153	153	20
Visayas	2025	3	29	4	68	153	153	20
Visayas	2025	3	29	5	68	153	153	20
Visayas	2025	3	29	6	69	153	153	20
Visayas	2025	3	29	7	69	153	153	20
Visayas	2025	3	29	8	76	153	153	20
Visayas	2025	3	29	9	84	153	153	20
Visayas	2025	3	29	10	89	153	153	20
Visayas	2025	3	29	11	95	153	153	20
Visayas	2025	3	29	12	95	153	153	20
Visayas	2025	3	29	13	95	153	153	20
Visayas	2025	3	29	14	100	153	153	20
Visayas	2025	3	29	15	100	153	153	20
Visayas	2025	3	29	16	96	153	153	20
Visayas	2025	3	29	17	90	153	153	20
Visayas	2025	3	29	18	93	153	153	20
Visayas	2025	3	29	19	99	153	153	20
Visayas	2025	3	29	20	96	153	153	20
Visayas	2025	3	29	21	92	153	153	20
Visayas	2025	3	29	22	90	153	153	20
Visayas	2025	3	29	23	85	153	153	20
Visayas	2025	3	29	24	80	153	153	20
Visayas	2025	3	30	1	76	153	153	20
Visayas	2025	3	30	2	73	153	153	20
Visayas	2025	3	30	3	69	153	153	20
Visayas	2025	3	30	4	67	153	153	20
Visayas	2025	3	30	5	65	153	153	20
Visayas	2025	3	30	6	66	153	153	20
Visayas	2025	3	30	7	64	153	153	20
Visayas	2025	3	30	8	66	153	153	20
Visayas	2025	3	30	9	71	153	153	20
Visayas	2025	3	30	10	74	153	153	20
Visayas	2025	3	30	11	78	153	153	20
Visayas	2025	3	30	12	77	153	153	20
Visayas	2025	3	30	13	77	153	153	20
Visayas	2025	3	30	14	79	153	153	20
Visayas	2025	3	30	15	78	153	153	20
Visayas	2025	3	30	16	76	153	153	20
Visayas	2025	3	30	17	76	153	153	20
Visayas	2025	3	30	18	84	153	153	20
Visayas	2025	3	30	19	89	153	153	20
Visayas	2025	3	30	20	87	153	153	20
Visayas	2025	3	30	21	85	153	153	20
Visayas	2025	3	30	22	81	153	153	20
Visayas	2025	3	30	23	76	153	153	20
Visayas	2025	3	30	24	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	3	31	1	68	153	153	20
Visayas	2025	3	31	2	65	153	153	20
Visayas	2025	3	31	3	62	153	153	20
Visayas	2025	3	31	4	62	153	153	20
Visayas	2025	3	31	5	62	153	153	20
Visayas	2025	3	31	6	66	153	153	20
Visayas	2025	3	31	7	67	153	153	20
Visayas	2025	3	31	8	78	153	153	20
Visayas	2025	3	31	9	93	153	153	20
Visayas	2025	3	31	10	98	153	153	20
Visayas	2025	3	31	11	99	153	153	20
Visayas	2025	3	31	12	97	153	153	20
Visayas	2025	3	31	13	97	153	153	20
Visayas	2025	3	31	14	101	153	153	20
Visayas	2025	3	31	15	101	153	153	20
Visayas	2025	3	31	16	100	153	153	20
Visayas	2025	3	31	17	94	153	153	20
Visayas	2025	3	31	18	95	153	153	20
Visayas	2025	3	31	19	96	153	153	20
Visayas	2025	3	31	20	92	153	153	20
Visayas	2025	3	31	21	88	153	153	20
Visayas	2025	3	31	22	84	153	153	20
Visayas	2025	3	31	23	79	153	153	20
Visayas	2025	3	31	24	74	153	153	20
Visayas	2025	4	1	1	70	153	153	20
Visayas	2025	4	1	2	68	153	153	20
Visayas	2025	4	1	3	65	153	153	20
Visayas	2025	4	1	4	65	153	153	20
Visayas	2025	4	1	5	65	153	153	20
Visayas	2025	4	1	6	68	153	153	20
Visayas	2025	4	1	7	70	153	153	20
Visayas	2025	4	1	8	81	153	153	20
Visayas	2025	4	1	9	95	153	153	20
Visayas	2025	4	1	10	104	153	153	20
Visayas	2025	4	1	11	110	153	153	20
Visayas	2025	4	1	12	105	153	153	20
Visayas	2025	4	1	13	107	153	153	20
Visayas	2025	4	1	14	115	153	153	20
Visayas	2025	4	1	15	112	153	153	20
Visayas	2025	4	1	16	108	153	153	20
Visayas	2025	4	1	17	100	153	153	20
Visayas	2025	4	1	18	98	153	153	20
Visayas	2025	4	1	19	101	153	153	20
Visayas	2025	4	1	20	99	153	153	20
Visayas	2025	4	1	21	95	153	153	20
Visayas	2025	4	1	22	93	153	153	20
Visayas	2025	4	1	23	86	153	153	20
Visayas	2025	4	1	24	80	153	153	20
Visayas	2025	4	2	1	76	153	153	20
Visayas	2025	4	2	2	74	153	153	20
Visayas	2025	4	2	3	71	153	153	20
Visayas	2025	4	2	4	68	153	153	20
Visayas	2025	4	2	5	68	153	153	20
Visayas	2025	4	2	6	71	153	153	20
Visayas	2025	4	2	7	71	153	153	20
Visayas	2025	4	2	8	83	153	153	20
Visayas	2025	4	2	9	98	153	153	20
Visayas	2025	4	2	10	107	153	153	20
Visayas	2025	4	2	11	112	153	153	20
Visayas	2025	4	2	12	109	153	153	20
Visayas	2025	4	2	13	110	153	153	20
Visayas	2025	4	2	14	116	153	153	20
Visayas	2025	4	2	15	114	153	153	20
Visayas	2025	4	2	16	112	153	153	20
Visayas	2025	4	2	17	104	153	153	20
Visayas	2025	4	2	18	101	153	153	20
Visayas	2025	4	2	19	106	153	153	20
Visayas	2025	4	2	20	102	153	153	20
Visayas	2025	4	2	21	100	153	153	20
Visayas	2025	4	2	22	96	153	153	20
Visayas	2025	4	2	23	89	153	153	20
Visayas	2025	4	2	24	83	153	153	20
Visayas	2025	4	3	1	79	153	153	20
Visayas	2025	4	3	2	75	153	153	20
Visayas	2025	4	3	3	72	153	153	20
Visayas	2025	4	3	4	70	153	153	20
Visayas	2025	4	3	5	70	153	153	20
Visayas	2025	4	3	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	3	7	71	153	153	20
Visayas	2025	4	3	8	83	153	153	20
Visayas	2025	4	3	9	98	153	153	20
Visayas	2025	4	3	10	107	153	153	20
Visayas	2025	4	3	11	112	153	153	20
Visayas	2025	4	3	12	107	153	153	20
Visayas	2025	4	3	13	110	153	153	20
Visayas	2025	4	3	14	116	153	153	20
Visayas	2025	4	3	15	113	153	153	20
Visayas	2025	4	3	16	107	153	153	20
Visayas	2025	4	3	17	101	153	153	20
Visayas	2025	4	3	18	100	153	153	20
Visayas	2025	4	3	19	103	153	153	20
Visayas	2025	4	3	20	102	153	153	20
Visayas	2025	4	3	21	101	153	153	20
Visayas	2025	4	3	22	95	153	153	20
Visayas	2025	4	3	23	90	153	153	20
Visayas	2025	4	3	24	86	153	153	20
Visayas	2025	4	4	1	80	153	153	20
Visayas	2025	4	4	2	76	153	153	20
Visayas	2025	4	4	3	73	153	153	20
Visayas	2025	4	4	4	71	153	153	20
Visayas	2025	4	4	5	71	153	153	20
Visayas	2025	4	4	6	74	153	153	20
Visayas	2025	4	4	7	73	153	153	20
Visayas	2025	4	4	8	87	153	153	20
Visayas	2025	4	4	9	103	153	153	20
Visayas	2025	4	4	10	108	153	153	20
Visayas	2025	4	4	11	114	153	153	20
Visayas	2025	4	4	12	110	153	153	20
Visayas	2025	4	4	13	110	153	153	20
Visayas	2025	4	4	14	117	153	153	20
Visayas	2025	4	4	15	116	153	153	20
Visayas	2025	4	4	16	111	153	153	20
Visayas	2025	4	4	17	102	153	153	20
Visayas	2025	4	4	18	101	153	153	20
Visayas	2025	4	4	19	104	153	153	20
Visayas	2025	4	4	20	101	153	153	20
Visayas	2025	4	4	21	98	153	153	20
Visayas	2025	4	4	22	93	153	153	20
Visayas	2025	4	4	23	88	153	153	20
Visayas	2025	4	4	24	82	153	153	20
Visayas	2025	4	5	1	77	153	153	20
Visayas	2025	4	5	2	74	153	153	20
Visayas	2025	4	5	3	72	153	153	20
Visayas	2025	4	5	4	69	153	153	20
Visayas	2025	4	5	5	69	153	153	20
Visayas	2025	4	5	6	70	153	153	20
Visayas	2025	4	5	7	69	153	153	20
Visayas	2025	4	5	8	76	153	153	20
Visayas	2025	4	5	9	85	153	153	20
Visayas	2025	4	5	10	91	153	153	20
Visayas	2025	4	5	11	95	153	153	20
Visayas	2025	4	5	12	93	153	153	20
Visayas	2025	4	5	13	93	153	153	20
Visayas	2025	4	5	14	97	153	153	20
Visayas	2025	4	5	15	96	153	153	20
Visayas	2025	4	5	16	93	153	153	20
Visayas	2025	4	5	17	88	153	153	20
Visayas	2025	4	5	18	95	153	153	20
Visayas	2025	4	5	19	98	153	153	20
Visayas	2025	4	5	20	94	153	153	20
Visayas	2025	4	5	21	90	153	153	20
Visayas	2025	4	5	22	85	153	153	20
Visayas	2025	4	5	23	80	153	153	20
Visayas	2025	4	5	24	77	153	153	20
Visayas	2025	4	6	1	72	153	153	20
Visayas	2025	4	6	2	68	153	153	20
Visayas	2025	4	6	3	68	153	153	20
Visayas	2025	4	6	4	65	153	153	20
Visayas	2025	4	6	5	65	153	153	20
Visayas	2025	4	6	6	65	153	153	20
Visayas	2025	4	6	7	59	153	153	20
Visayas	2025	4	6	8	61	153	153	20
Visayas	2025	4	6	9	67	153	153	20
Visayas	2025	4	6	10	72	153	153	20
Visayas	2025	4	6	11	75	153	153	20
Visayas	2025	4	6	12	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	6	13	76	153	153	20
Visayas	2025	4	6	14	78	153	153	20
Visayas	2025	4	6	15	78	153	153	20
Visayas	2025	4	6	16	77	153	153	20
Visayas	2025	4	6	17	76	153	153	20
Visayas	2025	4	6	18	86	153	153	20
Visayas	2025	4	6	19	95	153	153	20
Visayas	2025	4	6	20	91	153	153	20
Visayas	2025	4	6	21	89	153	153	20
Visayas	2025	4	6	22	84	153	153	20
Visayas	2025	4	6	23	80	153	153	20
Visayas	2025	4	6	24	74	153	153	20
Visayas	2025	4	7	1	70	153	153	20
Visayas	2025	4	7	2	68	153	153	20
Visayas	2025	4	7	3	64	153	153	20
Visayas	2025	4	7	4	63	153	153	20
Visayas	2025	4	7	5	64	153	153	20
Visayas	2025	4	7	6	68	153	153	20
Visayas	2025	4	7	7	68	153	153	20
Visayas	2025	4	7	8	80	153	153	20
Visayas	2025	4	7	9	95	153	153	20
Visayas	2025	4	7	10	102	153	153	20
Visayas	2025	4	7	11	106	153	153	20
Visayas	2025	4	7	12	103	153	153	20
Visayas	2025	4	7	13	105	153	153	20
Visayas	2025	4	7	14	110	153	153	20
Visayas	2025	4	7	15	110	153	153	20
Visayas	2025	4	7	16	107	153	153	20
Visayas	2025	4	7	17	99	153	153	20
Visayas	2025	4	7	18	101	153	153	20
Visayas	2025	4	7	19	101	153	153	20
Visayas	2025	4	7	20	98	153	153	20
Visayas	2025	4	7	21	97	153	153	20
Visayas	2025	4	7	22	91	153	153	20
Visayas	2025	4	7	23	87	153	153	20
Visayas	2025	4	7	24	81	153	153	20
Visayas	2025	4	8	1	78	153	153	20
Visayas	2025	4	8	2	74	153	153	20
Visayas	2025	4	8	3	71	153	153	20
Visayas	2025	4	8	4	69	153	153	20
Visayas	2025	4	8	5	70	153	153	20
Visayas	2025	4	8	6	74	153	153	20
Visayas	2025	4	8	7	74	153	153	20
Visayas	2025	4	8	8	84	153	153	20
Visayas	2025	4	8	9	98	153	153	20
Visayas	2025	4	8	10	102	153	153	20
Visayas	2025	4	8	11	107	153	153	20
Visayas	2025	4	8	12	98	153	153	20
Visayas	2025	4	8	13	95	153	153	20
Visayas	2025	4	8	14	98	153	153	20
Visayas	2025	4	8	15	98	153	153	20
Visayas	2025	4	8	16	98	153	153	20
Visayas	2025	4	8	17	94	153	153	20
Visayas	2025	4	8	18	96	153	153	20
Visayas	2025	4	8	19	95	153	153	20
Visayas	2025	4	8	20	91	153	153	20
Visayas	2025	4	8	21	88	153	153	20
Visayas	2025	4	8	22	82	153	153	20
Visayas	2025	4	8	23	78	153	153	20
Visayas	2025	4	8	24	73	153	153	20
Visayas	2025	4	9	1	65	153	153	20
Visayas	2025	4	9	2	63	153	153	20
Visayas	2025	4	9	3	61	153	153	20
Visayas	2025	4	9	4	60	153	153	20
Visayas	2025	4	9	5	60	153	153	20
Visayas	2025	4	9	6	61	153	153	20
Visayas	2025	4	9	7	58	153	153	20
Visayas	2025	4	9	8	60	153	153	20
Visayas	2025	4	9	9	67	153	153	20
Visayas	2025	4	9	10	71	153	153	20
Visayas	2025	4	9	11	73	153	153	20
Visayas	2025	4	9	12	73	153	153	20
Visayas	2025	4	9	13	72	153	153	20
Visayas	2025	4	9	14	74	153	153	20
Visayas	2025	4	9	15	71	153	153	20
Visayas	2025	4	9	16	72	153	153	20
Visayas	2025	4	9	17	75	153	153	20
Visayas	2025	4	9	18	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	9	19	84	153	153	20
Visayas	2025	4	9	20	81	153	153	20
Visayas	2025	4	9	21	78	153	153	20
Visayas	2025	4	9	22	72	153	153	20
Visayas	2025	4	9	23	67	153	153	20
Visayas	2025	4	9	24	63	153	153	20
Visayas	2025	4	10	1	73	153	153	20
Visayas	2025	4	10	2	69	153	153	20
Visayas	2025	4	10	3	67	153	153	20
Visayas	2025	4	10	4	65	153	153	20
Visayas	2025	4	10	5	66	153	153	20
Visayas	2025	4	10	6	70	153	153	20
Visayas	2025	4	10	7	70	153	153	20
Visayas	2025	4	10	8	79	153	153	20
Visayas	2025	4	10	9	92	153	153	20
Visayas	2025	4	10	10	100	153	153	20
Visayas	2025	4	10	11	102	153	153	20
Visayas	2025	4	10	12	98	153	153	20
Visayas	2025	4	10	13	99	153	153	20
Visayas	2025	4	10	14	102	153	153	20
Visayas	2025	4	10	15	101	153	153	20
Visayas	2025	4	10	16	99	153	153	20
Visayas	2025	4	10	17	94	153	153	20
Visayas	2025	4	10	18	97	153	153	20
Visayas	2025	4	10	19	93	153	153	20
Visayas	2025	4	10	20	91	153	153	20
Visayas	2025	4	10	21	85	153	153	20
Visayas	2025	4	10	22	79	153	153	20
Visayas	2025	4	10	23	74	153	153	20
Visayas	2025	4	10	24	70	153	153	20
Visayas	2025	4	11	1	65	153	153	20
Visayas	2025	4	11	2	63	153	153	20
Visayas	2025	4	11	3	62	153	153	20
Visayas	2025	4	11	4	61	153	153	20
Visayas	2025	4	11	5	62	153	153	20
Visayas	2025	4	11	6	66	153	153	20
Visayas	2025	4	11	7	67	153	153	20
Visayas	2025	4	11	8	75	153	153	20
Visayas	2025	4	11	9	87	153	153	20
Visayas	2025	4	11	10	94	153	153	20
Visayas	2025	4	11	11	99	153	153	20
Visayas	2025	4	11	12	97	153	153	20
Visayas	2025	4	11	13	94	153	153	20
Visayas	2025	4	11	14	98	153	153	20
Visayas	2025	4	11	15	94	153	153	20
Visayas	2025	4	11	16	94	153	153	20
Visayas	2025	4	11	17	90	153	153	20
Visayas	2025	4	11	18	92	153	153	20
Visayas	2025	4	11	19	89	153	153	20
Visayas	2025	4	11	20	85	153	153	20
Visayas	2025	4	11	21	81	153	153	20
Visayas	2025	4	11	22	76	153	153	20
Visayas	2025	4	11	23	72	153	153	20
Visayas	2025	4	11	24	68	153	153	20
Visayas	2025	4	12	1	57	153	153	20
Visayas	2025	4	12	2	55	153	153	20
Visayas	2025	4	12	3	53	153	153	20
Visayas	2025	4	12	4	52	153	153	20
Visayas	2025	4	12	5	53	153	153	20
Visayas	2025	4	12	6	54	153	153	20
Visayas	2025	4	12	7	55	153	153	20
Visayas	2025	4	12	8	58	153	153	20
Visayas	2025	4	12	9	63	153	153	20
Visayas	2025	4	12	10	70	153	153	20
Visayas	2025	4	12	11	72	153	153	20
Visayas	2025	4	12	12	71	153	153	20
Visayas	2025	4	12	13	73	153	153	20
Visayas	2025	4	12	14	76	153	153	20
Visayas	2025	4	12	15	75	153	153	20
Visayas	2025	4	12	16	74	153	153	20
Visayas	2025	4	12	17	73	153	153	20
Visayas	2025	4	12	18	79	153	153	20
Visayas	2025	4	12	19	84	153	153	20
Visayas	2025	4	12	20	79	153	153	20
Visayas	2025	4	12	21	77	153	153	20
Visayas	2025	4	12	22	73	153	153	20
Visayas	2025	4	12	23	69	153	153	20
Visayas	2025	4	12	24	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	13	1	60	153	153	20
Visayas	2025	4	13	2	59	153	153	20
Visayas	2025	4	13	3	58	153	153	20
Visayas	2025	4	13	4	57	153	153	20
Visayas	2025	4	13	5	57	153	153	20
Visayas	2025	4	13	6	58	153	153	20
Visayas	2025	4	13	7	59	153	153	20
Visayas	2025	4	13	8	61	153	153	20
Visayas	2025	4	13	9	61	153	153	20
Visayas	2025	4	13	10	63	153	153	20
Visayas	2025	4	13	11	64	153	153	20
Visayas	2025	4	13	12	64	153	153	20
Visayas	2025	4	13	13	62	153	153	20
Visayas	2025	4	13	14	62	153	153	20
Visayas	2025	4	13	15	62	153	153	20
Visayas	2025	4	13	16	64	153	153	20
Visayas	2025	4	13	17	68	153	153	20
Visayas	2025	4	13	18	76	153	153	20
Visayas	2025	4	13	19	76	153	153	20
Visayas	2025	4	13	20	71	153	153	20
Visayas	2025	4	13	21	66	153	153	20
Visayas	2025	4	13	22	61	153	153	20
Visayas	2025	4	13	23	57	153	153	20
Visayas	2025	4	13	24	55	153	153	20
Visayas	2025	4	14	1	51	153	153	20
Visayas	2025	4	14	2	49	153	153	20
Visayas	2025	4	14	3	48	153	153	20
Visayas	2025	4	14	4	47	153	153	20
Visayas	2025	4	14	5	48	153	153	20
Visayas	2025	4	14	6	52	153	153	20
Visayas	2025	4	14	7	55	153	153	20
Visayas	2025	4	14	8	60	153	153	20
Visayas	2025	4	14	9	69	153	153	20
Visayas	2025	4	14	10	74	153	153	20
Visayas	2025	4	14	11	76	153	153	20
Visayas	2025	4	14	12	73	153	153	20
Visayas	2025	4	14	13	70	153	153	20
Visayas	2025	4	14	14	73	153	153	20
Visayas	2025	4	14	15	72	153	153	20
Visayas	2025	4	14	16	72	153	153	20
Visayas	2025	4	14	17	71	153	153	20
Visayas	2025	4	14	18	76	153	153	20
Visayas	2025	4	14	19	76	153	153	20
Visayas	2025	4	14	20	69	153	153	20
Visayas	2025	4	14	21	65	153	153	20
Visayas	2025	4	14	22	59	153	153	20
Visayas	2025	4	14	23	57	153	153	20
Visayas	2025	4	14	24	54	153	153	20
Visayas	2025	4	15	1	52	153	153	20
Visayas	2025	4	15	2	52	153	153	20
Visayas	2025	4	15	3	51	153	153	20
Visayas	2025	4	15	4	50	153	153	20
Visayas	2025	4	15	5	51	153	153	20
Visayas	2025	4	15	6	55	153	153	20
Visayas	2025	4	15	7	56	153	153	20
Visayas	2025	4	15	8	61	153	153	20
Visayas	2025	4	15	9	70	153	153	20
Visayas	2025	4	15	10	75	153	153	20
Visayas	2025	4	15	11	75	153	153	20
Visayas	2025	4	15	12	72	153	153	20
Visayas	2025	4	15	13	71	153	153	20
Visayas	2025	4	15	14	72	153	153	20
Visayas	2025	4	15	15	71	153	153	20
Visayas	2025	4	15	16	72	153	153	20
Visayas	2025	4	15	17	72	153	153	20
Visayas	2025	4	15	18	75	153	153	20
Visayas	2025	4	15	19	73	153	153	20
Visayas	2025	4	15	20	68	153	153	20
Visayas	2025	4	15	21	63	153	153	20
Visayas	2025	4	15	22	57	153	153	20
Visayas	2025	4	15	23	55	153	153	20
Visayas	2025	4	15	24	52	153	153	20
Visayas	2025	4	16	1	51	153	153	20
Visayas	2025	4	16	2	51	153	153	20
Visayas	2025	4	16	3	50	153	153	20
Visayas	2025	4	16	4	50	153	153	20
Visayas	2025	4	16	5	51	153	153	20
Visayas	2025	4	16	6	55	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	16	7	56	153	153	20
Visayas	2025	4	16	8	62	153	153	20
Visayas	2025	4	16	9	71	153	153	20
Visayas	2025	4	16	10	78	153	153	20
Visayas	2025	4	16	11	81	153	153	20
Visayas	2025	4	16	12	78	153	153	20
Visayas	2025	4	16	13	77	153	153	20
Visayas	2025	4	16	14	81	153	153	20
Visayas	2025	4	16	15	80	153	153	20
Visayas	2025	4	16	16	78	153	153	20
Visayas	2025	4	16	17	76	153	153	20
Visayas	2025	4	16	18	81	153	153	20
Visayas	2025	4	16	19	82	153	153	20
Visayas	2025	4	16	20	78	153	153	20
Visayas	2025	4	16	21	74	153	153	20
Visayas	2025	4	16	22	68	153	153	20
Visayas	2025	4	16	23	64	153	153	20
Visayas	2025	4	16	24	60	153	153	20
Visayas	2025	4	17	1	58	153	153	20
Visayas	2025	4	17	2	56	153	153	20
Visayas	2025	4	17	3	55	153	153	20
Visayas	2025	4	17	4	54	153	153	20
Visayas	2025	4	17	5	53	153	153	20
Visayas	2025	4	17	6	54	153	153	20
Visayas	2025	4	17	7	54	153	153	20
Visayas	2025	4	17	8	57	153	153	20
Visayas	2025	4	17	9	60	153	153	20
Visayas	2025	4	17	10	63	153	153	20
Visayas	2025	4	17	11	63	153	153	20
Visayas	2025	4	17	12	62	153	153	20
Visayas	2025	4	17	13	62	153	153	20
Visayas	2025	4	17	14	64	153	153	20
Visayas	2025	4	17	15	63	153	153	20
Visayas	2025	4	17	16	63	153	153	20
Visayas	2025	4	17	17	61	153	153	20
Visayas	2025	4	17	18	69	153	153	20
Visayas	2025	4	17	19	73	153	153	20
Visayas	2025	4	17	20	70	153	153	20
Visayas	2025	4	17	21	69	153	153	20
Visayas	2025	4	17	22	65	153	153	20
Visayas	2025	4	17	23	62	153	153	20
Visayas	2025	4	17	24	59	153	153	20
Visayas	2025	4	18	1	56	153	153	20
Visayas	2025	4	18	2	54	153	153	20
Visayas	2025	4	18	3	52	153	153	20
Visayas	2025	4	18	4	51	153	153	20
Visayas	2025	4	18	5	51	153	153	20
Visayas	2025	4	18	6	52	153	153	20
Visayas	2025	4	18	7	52	153	153	20
Visayas	2025	4	18	8	53	153	153	20
Visayas	2025	4	18	9	55	153	153	20
Visayas	2025	4	18	10	57	153	153	20
Visayas	2025	4	18	11	59	153	153	20
Visayas	2025	4	18	12	59	153	153	20
Visayas	2025	4	18	13	59	153	153	20
Visayas	2025	4	18	14	60	153	153	20
Visayas	2025	4	18	15	59	153	153	20
Visayas	2025	4	18	16	58	153	153	20
Visayas	2025	4	18	17	57	153	153	20
Visayas	2025	4	18	18	64	153	153	20
Visayas	2025	4	18	19	69	153	153	20
Visayas	2025	4	18	20	69	153	153	20
Visayas	2025	4	18	21	70	153	153	20
Visayas	2025	4	18	22	67	153	153	20
Visayas	2025	4	18	23	64	153	153	20
Visayas	2025	4	18	24	60	153	153	20
Visayas	2025	4	19	1	57	153	153	20
Visayas	2025	4	19	2	55	153	153	20
Visayas	2025	4	19	3	53	153	153	20
Visayas	2025	4	19	4	52	153	153	20
Visayas	2025	4	19	5	53	153	153	20
Visayas	2025	4	19	6	54	153	153	20
Visayas	2025	4	19	7	55	153	153	20
Visayas	2025	4	19	8	58	153	153	20
Visayas	2025	4	19	9	63	153	153	20
Visayas	2025	4	19	10	70	153	153	20
Visayas	2025	4	19	11	72	153	153	20
Visayas	2025	4	19	12	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	19	13	73	153	153	20
Visayas	2025	4	19	14	76	153	153	20
Visayas	2025	4	19	15	75	153	153	20
Visayas	2025	4	19	16	74	153	153	20
Visayas	2025	4	19	17	73	153	153	20
Visayas	2025	4	19	18	79	153	153	20
Visayas	2025	4	19	19	84	153	153	20
Visayas	2025	4	19	20	79	153	153	20
Visayas	2025	4	19	21	77	153	153	20
Visayas	2025	4	19	22	73	153	153	20
Visayas	2025	4	19	23	69	153	153	20
Visayas	2025	4	19	24	65	153	153	20
Visayas	2025	4	20	1	62	153	153	20
Visayas	2025	4	20	2	59	153	153	20
Visayas	2025	4	20	3	58	153	153	20
Visayas	2025	4	20	4	56	153	153	20
Visayas	2025	4	20	5	56	153	153	20
Visayas	2025	4	20	6	57	153	153	20
Visayas	2025	4	20	7	58	153	153	20
Visayas	2025	4	20	8	59	153	153	20
Visayas	2025	4	20	9	63	153	153	20
Visayas	2025	4	20	10	68	153	153	20
Visayas	2025	4	20	11	73	153	153	20
Visayas	2025	4	20	12	72	153	153	20
Visayas	2025	4	20	13	73	153	153	20
Visayas	2025	4	20	14	75	153	153	20
Visayas	2025	4	20	15	75	153	153	20
Visayas	2025	4	20	16	74	153	153	20
Visayas	2025	4	20	17	74	153	153	20
Visayas	2025	4	20	18	78	153	153	20
Visayas	2025	4	20	19	86	153	153	20
Visayas	2025	4	20	20	84	153	153	20
Visayas	2025	4	20	21	83	153	153	20
Visayas	2025	4	20	22	78	153	153	20
Visayas	2025	4	20	23	73	153	153	20
Visayas	2025	4	20	24	67	153	153	20
Visayas	2025	4	21	1	64	153	153	20
Visayas	2025	4	21	2	62	153	153	20
Visayas	2025	4	21	3	60	153	153	20
Visayas	2025	4	21	4	59	153	153	20
Visayas	2025	4	21	5	59	153	153	20
Visayas	2025	4	21	6	62	153	153	20
Visayas	2025	4	21	7	64	153	153	20
Visayas	2025	4	21	8	76	153	153	20
Visayas	2025	4	21	9	89	153	153	20
Visayas	2025	4	21	10	95	153	153	20
Visayas	2025	4	21	11	101	153	153	20
Visayas	2025	4	21	12	101	153	153	20
Visayas	2025	4	21	13	102	153	153	20
Visayas	2025	4	21	14	109	153	153	20
Visayas	2025	4	21	15	108	153	153	20
Visayas	2025	4	21	16	104	153	153	20
Visayas	2025	4	21	17	97	153	153	20
Visayas	2025	4	21	18	94	153	153	20
Visayas	2025	4	21	19	100	153	153	20
Visayas	2025	4	21	20	96	153	153	20
Visayas	2025	4	21	21	92	153	153	20
Visayas	2025	4	21	22	87	153	153	20
Visayas	2025	4	21	23	81	153	153	20
Visayas	2025	4	21	24	76	153	153	20
Visayas	2025	4	22	1	74	153	153	20
Visayas	2025	4	22	2	69	153	153	20
Visayas	2025	4	22	3	67	153	153	20
Visayas	2025	4	22	4	65	153	153	20
Visayas	2025	4	22	5	65	153	153	20
Visayas	2025	4	22	6	69	153	153	20
Visayas	2025	4	22	7	69	153	153	20
Visayas	2025	4	22	8	80	153	153	20
Visayas	2025	4	22	9	94	153	153	20
Visayas	2025	4	22	10	103	153	153	20
Visayas	2025	4	22	11	106	153	153	20
Visayas	2025	4	22	12	104	153	153	20
Visayas	2025	4	22	13	105	153	153	20
Visayas	2025	4	22	14	109	153	153	20
Visayas	2025	4	22	15	109	153	153	20
Visayas	2025	4	22	16	106	153	153	20
Visayas	2025	4	22	17	96	153	153	20
Visayas	2025	4	22	18	96	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	22	19	100	153	153	20
Visayas	2025	4	22	20	94	153	153	20
Visayas	2025	4	22	21	93	153	153	20
Visayas	2025	4	22	22	88	153	153	20
Visayas	2025	4	22	23	84	153	153	20
Visayas	2025	4	22	24	79	153	153	20
Visayas	2025	4	23	1	75	153	153	20
Visayas	2025	4	23	2	71	153	153	20
Visayas	2025	4	23	3	67	153	153	20
Visayas	2025	4	23	4	66	153	153	20
Visayas	2025	4	23	5	68	153	153	20
Visayas	2025	4	23	6	70	153	153	20
Visayas	2025	4	23	7	70	153	153	20
Visayas	2025	4	23	8	82	153	153	20
Visayas	2025	4	23	9	96	153	153	20
Visayas	2025	4	23	10	103	153	153	20
Visayas	2025	4	23	11	110	153	153	20
Visayas	2025	4	23	12	106	153	153	20
Visayas	2025	4	23	13	108	153	153	20
Visayas	2025	4	23	14	113	153	153	20
Visayas	2025	4	23	15	111	153	153	20
Visayas	2025	4	23	16	109	153	153	20
Visayas	2025	4	23	17	101	153	153	20
Visayas	2025	4	23	18	100	153	153	20
Visayas	2025	4	23	19	104	153	153	20
Visayas	2025	4	23	20	101	153	153	20
Visayas	2025	4	23	21	98	153	153	20
Visayas	2025	4	23	22	94	153	153	20
Visayas	2025	4	23	23	87	153	153	20
Visayas	2025	4	23	24	84	153	153	20
Visayas	2025	4	24	1	78	153	153	20
Visayas	2025	4	24	2	76	153	153	20
Visayas	2025	4	24	3	74	153	153	20
Visayas	2025	4	24	4	71	153	153	20
Visayas	2025	4	24	5	72	153	153	20
Visayas	2025	4	24	6	73	153	153	20
Visayas	2025	4	24	7	75	153	153	20
Visayas	2025	4	24	8	87	153	153	20
Visayas	2025	4	24	9	104	153	153	20
Visayas	2025	4	24	10	109	153	153	20
Visayas	2025	4	24	11	114	153	153	20
Visayas	2025	4	24	12	111	153	153	20
Visayas	2025	4	24	13	113	153	153	20
Visayas	2025	4	24	14	117	153	153	20
Visayas	2025	4	24	15	116	153	153	20
Visayas	2025	4	24	16	112	153	153	20
Visayas	2025	4	24	17	103	153	153	20
Visayas	2025	4	24	18	103	153	153	20
Visayas	2025	4	24	19	105	153	153	20
Visayas	2025	4	24	20	100	153	153	20
Visayas	2025	4	24	21	99	153	153	20
Visayas	2025	4	24	22	95	153	153	20
Visayas	2025	4	24	23	90	153	153	20
Visayas	2025	4	24	24	87	153	153	20
Visayas	2025	4	25	1	80	153	153	20
Visayas	2025	4	25	2	76	153	153	20
Visayas	2025	4	25	3	74	153	153	20
Visayas	2025	4	25	4	72	153	153	20
Visayas	2025	4	25	5	72	153	153	20
Visayas	2025	4	25	6	77	153	153	20
Visayas	2025	4	25	7	74	153	153	20
Visayas	2025	4	25	8	87	153	153	20
Visayas	2025	4	25	9	100	153	153	20
Visayas	2025	4	25	10	105	153	153	20
Visayas	2025	4	25	11	109	153	153	20
Visayas	2025	4	25	12	107	153	153	20
Visayas	2025	4	25	13	109	153	153	20
Visayas	2025	4	25	14	114	153	153	20
Visayas	2025	4	25	15	114	153	153	20
Visayas	2025	4	25	16	111	153	153	20
Visayas	2025	4	25	17	101	153	153	20
Visayas	2025	4	25	18	100	153	153	20
Visayas	2025	4	25	19	105	153	153	20
Visayas	2025	4	25	20	102	153	153	20
Visayas	2025	4	25	21	101	153	153	20
Visayas	2025	4	25	22	95	153	153	20
Visayas	2025	4	25	23	89	153	153	20
Visayas	2025	4	25	24	84	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	26	1	80	153	153	20
Visayas	2025	4	26	2	76	153	153	20
Visayas	2025	4	26	3	73	153	153	20
Visayas	2025	4	26	4	71	153	153	20
Visayas	2025	4	26	5	73	153	153	20
Visayas	2025	4	26	6	70	153	153	20
Visayas	2025	4	26	7	71	153	153	20
Visayas	2025	4	26	8	78	153	153	20
Visayas	2025	4	26	9	88	153	153	20
Visayas	2025	4	26	10	94	153	153	20
Visayas	2025	4	26	11	99	153	153	20
Visayas	2025	4	26	12	96	153	153	20
Visayas	2025	4	26	13	97	153	153	20
Visayas	2025	4	26	14	102	153	153	20
Visayas	2025	4	26	15	101	153	153	20
Visayas	2025	4	26	16	96	153	153	20
Visayas	2025	4	26	17	92	153	153	20
Visayas	2025	4	26	18	96	153	153	20
Visayas	2025	4	26	19	103	153	153	20
Visayas	2025	4	26	20	100	153	153	20
Visayas	2025	4	26	21	97	153	153	20
Visayas	2025	4	26	22	93	153	153	20
Visayas	2025	4	26	23	87	153	153	20
Visayas	2025	4	26	24	83	153	153	20
Visayas	2025	4	27	1	79	153	153	20
Visayas	2025	4	27	2	75	153	153	20
Visayas	2025	4	27	3	72	153	153	20
Visayas	2025	4	27	4	71	153	153	20
Visayas	2025	4	27	5	70	153	153	20
Visayas	2025	4	27	6	68	153	153	20
Visayas	2025	4	27	7	66	153	153	20
Visayas	2025	4	27	8	70	153	153	20
Visayas	2025	4	27	9	76	153	153	20
Visayas	2025	4	27	10	81	153	153	20
Visayas	2025	4	27	11	84	153	153	20
Visayas	2025	4	27	12	85	153	153	20
Visayas	2025	4	27	13	86	153	153	20
Visayas	2025	4	27	14	88	153	153	20
Visayas	2025	4	27	15	87	153	153	20
Visayas	2025	4	27	16	85	153	153	20
Visayas	2025	4	27	17	83	153	153	20
Visayas	2025	4	27	18	91	153	153	20
Visayas	2025	4	27	19	95	153	153	20
Visayas	2025	4	27	20	95	153	153	20
Visayas	2025	4	27	21	94	153	153	20
Visayas	2025	4	27	22	90	153	153	20
Visayas	2025	4	27	23	85	153	153	20
Visayas	2025	4	27	24	80	153	153	20
Visayas	2025	4	28	1	77	153	153	20
Visayas	2025	4	28	2	75	153	153	20
Visayas	2025	4	28	3	71	153	153	20
Visayas	2025	4	28	4	68	153	153	20
Visayas	2025	4	28	5	69	153	153	20
Visayas	2025	4	28	6	72	153	153	20
Visayas	2025	4	28	7	72	153	153	20
Visayas	2025	4	28	8	85	153	153	20
Visayas	2025	4	28	9	101	153	153	20
Visayas	2025	4	28	10	108	153	153	20
Visayas	2025	4	28	11	112	153	153	20
Visayas	2025	4	28	12	111	153	153	20
Visayas	2025	4	28	13	112	153	153	20
Visayas	2025	4	28	14	117	153	153	20
Visayas	2025	4	28	15	116	153	153	20
Visayas	2025	4	28	16	113	153	153	20
Visayas	2025	4	28	17	105	153	153	20
Visayas	2025	4	28	18	103	153	153	20
Visayas	2025	4	28	19	109	153	153	20
Visayas	2025	4	28	20	104	153	153	20
Visayas	2025	4	28	21	102	153	153	20
Visayas	2025	4	28	22	97	153	153	20
Visayas	2025	4	28	23	94	153	153	20
Visayas	2025	4	28	24	88	153	153	20
Visayas	2025	4	29	1	83	153	153	20
Visayas	2025	4	29	2	79	153	153	20
Visayas	2025	4	29	3	77	153	153	20
Visayas	2025	4	29	4	74	153	153	20
Visayas	2025	4	29	5	74	153	153	20
Visayas	2025	4	29	6	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	4	29	7	77	153	153	20
Visayas	2025	4	29	8	89	153	153	20
Visayas	2025	4	29	9	104	153	153	20
Visayas	2025	4	29	10	111	153	153	20
Visayas	2025	4	29	11	113	153	153	20
Visayas	2025	4	29	12	111	153	153	20
Visayas	2025	4	29	13	114	153	153	20
Visayas	2025	4	29	14	119	153	153	20
Visayas	2025	4	29	15	115	153	153	20
Visayas	2025	4	29	16	112	153	153	20
Visayas	2025	4	29	17	102	153	153	20
Visayas	2025	4	29	18	104	153	153	20
Visayas	2025	4	29	19	104	153	153	20
Visayas	2025	4	29	20	100	153	153	20
Visayas	2025	4	29	21	97	153	153	20
Visayas	2025	4	29	22	84	153	153	20
Visayas	2025	4	29	23	83	153	153	20
Visayas	2025	4	29	24	81	153	153	20
Visayas	2025	4	30	1	76	153	153	20
Visayas	2025	4	30	2	74	153	153	20
Visayas	2025	4	30	3	71	153	153	20
Visayas	2025	4	30	4	70	153	153	20
Visayas	2025	4	30	5	70	153	153	20
Visayas	2025	4	30	6	72	153	153	20
Visayas	2025	4	30	7	73	153	153	20
Visayas	2025	4	30	8	84	153	153	20
Visayas	2025	4	30	9	99	153	153	20
Visayas	2025	4	30	10	107	153	153	20
Visayas	2025	4	30	11	108	153	153	20
Visayas	2025	4	30	12	108	153	153	20
Visayas	2025	4	30	13	109	153	153	20
Visayas	2025	4	30	14	115	153	153	20
Visayas	2025	4	30	15	114	153	153	20
Visayas	2025	4	30	16	111	153	153	20
Visayas	2025	4	30	17	102	153	153	20
Visayas	2025	4	30	18	101	153	153	20
Visayas	2025	4	30	19	105	153	153	20
Visayas	2025	4	30	20	101	153	153	20
Visayas	2025	4	30	21	99	153	153	20
Visayas	2025	4	30	22	94	153	153	20
Visayas	2025	4	30	23	91	153	153	20
Visayas	2025	4	30	24	80	153	153	20
Visayas	2025	5	1	1	76	153	153	20
Visayas	2025	5	1	2	72	153	153	20
Visayas	2025	5	1	3	69	153	153	20
Visayas	2025	5	1	4	66	153	153	20
Visayas	2025	5	1	5	66	153	153	20
Visayas	2025	5	1	6	64	153	153	20
Visayas	2025	5	1	7	66	153	153	20
Visayas	2025	5	1	8	67	153	153	20
Visayas	2025	5	1	9	73	153	153	20
Visayas	2025	5	1	10	80	153	153	20
Visayas	2025	5	1	11	82	153	153	20
Visayas	2025	5	1	12	82	153	153	20
Visayas	2025	5	1	13	82	153	153	20
Visayas	2025	5	1	14	85	153	153	20
Visayas	2025	5	1	15	85	153	153	20
Visayas	2025	5	1	16	84	153	153	20
Visayas	2025	5	1	17	82	153	153	20
Visayas	2025	5	1	18	87	153	153	20
Visayas	2025	5	1	19	96	153	153	20
Visayas	2025	5	1	20	93	153	153	20
Visayas	2025	5	1	21	92	153	153	20
Visayas	2025	5	1	22	89	153	153	20
Visayas	2025	5	1	23	84	153	153	20
Visayas	2025	5	1	24	78	153	153	20
Visayas	2025	5	2	1	78	153	153	20
Visayas	2025	5	2	2	77	153	153	20
Visayas	2025	5	2	3	74	153	153	20
Visayas	2025	5	2	4	73	153	153	20
Visayas	2025	5	2	5	74	153	153	20
Visayas	2025	5	2	6	75	153	153	20
Visayas	2025	5	2	7	73	153	153	20
Visayas	2025	5	2	8	85	153	153	20
Visayas	2025	5	2	9	99	153	153	20
Visayas	2025	5	2	10	108	153	153	20
Visayas	2025	5	2	11	115	153	153	20
Visayas	2025	5	2	12	110	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	2	13	112	153	153	20
Visayas	2025	5	2	14	117	153	153	20
Visayas	2025	5	2	15	115	153	153	20
Visayas	2025	5	2	16	112	153	153	20
Visayas	2025	5	2	17	104	153	153	20
Visayas	2025	5	2	18	103	153	153	20
Visayas	2025	5	2	19	105	153	153	20
Visayas	2025	5	2	20	101	153	153	20
Visayas	2025	5	2	21	100	153	153	20
Visayas	2025	5	2	22	94	153	153	20
Visayas	2025	5	2	23	89	153	153	20
Visayas	2025	5	2	24	83	153	153	20
Visayas	2025	5	3	1	79	153	153	20
Visayas	2025	5	3	2	76	153	153	20
Visayas	2025	5	3	3	73	153	153	20
Visayas	2025	5	3	4	71	153	153	20
Visayas	2025	5	3	5	71	153	153	20
Visayas	2025	5	3	6	71	153	153	20
Visayas	2025	5	3	7	71	153	153	20
Visayas	2025	5	3	8	79	153	153	20
Visayas	2025	5	3	9	90	153	153	20
Visayas	2025	5	3	10	97	153	153	20
Visayas	2025	5	3	11	101	153	153	20
Visayas	2025	5	3	12	94	153	153	20
Visayas	2025	5	3	13	100	153	153	20
Visayas	2025	5	3	14	105	153	153	20
Visayas	2025	5	3	15	103	153	153	20
Visayas	2025	5	3	16	99	153	153	20
Visayas	2025	5	3	17	94	153	153	20
Visayas	2025	5	3	18	98	153	153	20
Visayas	2025	5	3	19	102	153	153	20
Visayas	2025	5	3	20	99	153	153	20
Visayas	2025	5	3	21	96	153	153	20
Visayas	2025	5	3	22	91	153	153	20
Visayas	2025	5	3	23	87	153	153	20
Visayas	2025	5	3	24	81	153	153	20
Visayas	2025	5	4	1	85	153	153	20
Visayas	2025	5	4	2	81	153	153	20
Visayas	2025	5	4	3	78	153	153	20
Visayas	2025	5	4	4	75	153	153	20
Visayas	2025	5	4	5	74	153	153	20
Visayas	2025	5	4	6	72	153	153	20
Visayas	2025	5	4	7	69	153	153	20
Visayas	2025	5	4	8	73	153	153	20
Visayas	2025	5	4	9	78	153	153	20
Visayas	2025	5	4	10	87	153	153	20
Visayas	2025	5	4	11	90	153	153	20
Visayas	2025	5	4	12	90	153	153	20
Visayas	2025	5	4	13	92	153	153	20
Visayas	2025	5	4	14	91	153	153	20
Visayas	2025	5	4	15	91	153	153	20
Visayas	2025	5	4	16	91	153	153	20
Visayas	2025	5	4	17	88	153	153	20
Visayas	2025	5	4	18	88	153	153	20
Visayas	2025	5	4	19	97	153	153	20
Visayas	2025	5	4	20	94	153	153	20
Visayas	2025	5	4	21	95	153	153	20
Visayas	2025	5	4	22	93	153	153	20
Visayas	2025	5	4	23	89	153	153	20
Visayas	2025	5	4	24	84	153	153	20
Visayas	2025	5	5	1	74	153	153	20
Visayas	2025	5	5	2	72	153	153	20
Visayas	2025	5	5	3	68	153	153	20
Visayas	2025	5	5	4	66	153	153	20
Visayas	2025	5	5	5	66	153	153	20
Visayas	2025	5	5	6	67	153	153	20
Visayas	2025	5	5	7	71	153	153	20
Visayas	2025	5	5	8	82	153	153	20
Visayas	2025	5	5	9	99	153	153	20
Visayas	2025	5	5	10	108	153	153	20
Visayas	2025	5	5	11	113	153	153	20
Visayas	2025	5	5	12	109	153	153	20
Visayas	2025	5	5	13	110	153	153	20
Visayas	2025	5	5	14	115	153	153	20
Visayas	2025	5	5	15	116	153	153	20
Visayas	2025	5	5	16	111	153	153	20
Visayas	2025	5	5	17	104	153	153	20
Visayas	2025	5	5	18	100	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	5	19	106	153	153	20
Visayas	2025	5	5	20	101	153	153	20
Visayas	2025	5	5	21	100	153	153	20
Visayas	2025	5	5	22	94	153	153	20
Visayas	2025	5	5	23	89	153	153	20
Visayas	2025	5	5	24	84	153	153	20
Visayas	2025	5	6	1	81	153	153	20
Visayas	2025	5	6	2	76	153	153	20
Visayas	2025	5	6	3	73	153	153	20
Visayas	2025	5	6	4	71	153	153	20
Visayas	2025	5	6	5	71	153	153	20
Visayas	2025	5	6	6	70	153	153	20
Visayas	2025	5	6	7	71	153	153	20
Visayas	2025	5	6	8	79	153	153	20
Visayas	2025	5	6	9	89	153	153	20
Visayas	2025	5	6	10	96	153	153	20
Visayas	2025	5	6	11	100	153	153	20
Visayas	2025	5	6	12	97	153	153	20
Visayas	2025	5	6	13	97	153	153	20
Visayas	2025	5	6	14	104	153	153	20
Visayas	2025	5	6	15	100	153	153	20
Visayas	2025	5	6	16	97	153	153	20
Visayas	2025	5	6	17	92	153	153	20
Visayas	2025	5	6	18	96	153	153	20
Visayas	2025	5	6	19	102	153	153	20
Visayas	2025	5	6	20	99	153	153	20
Visayas	2025	5	6	21	97	153	153	20
Visayas	2025	5	6	22	93	153	153	20
Visayas	2025	5	6	23	88	153	153	20
Visayas	2025	5	6	24	82	153	153	20
Visayas	2025	5	7	1	78	153	153	20
Visayas	2025	5	7	2	75	153	153	20
Visayas	2025	5	7	3	72	153	153	20
Visayas	2025	5	7	4	70	153	153	20
Visayas	2025	5	7	5	72	153	153	20
Visayas	2025	5	7	6	73	153	153	20
Visayas	2025	5	7	7	76	153	153	20
Visayas	2025	5	7	8	88	153	153	20
Visayas	2025	5	7	9	105	153	153	20
Visayas	2025	5	7	10	112	153	153	20
Visayas	2025	5	7	11	116	153	153	20
Visayas	2025	5	7	12	114	153	153	20
Visayas	2025	5	7	13	113	153	153	20
Visayas	2025	5	7	14	119	153	153	20
Visayas	2025	5	7	15	117	153	153	20
Visayas	2025	5	7	16	116	153	153	20
Visayas	2025	5	7	17	108	153	153	20
Visayas	2025	5	7	18	104	153	153	20
Visayas	2025	5	7	19	111	153	153	20
Visayas	2025	5	7	20	105	153	153	20
Visayas	2025	5	7	21	104	153	153	20
Visayas	2025	5	7	22	96	153	153	20
Visayas	2025	5	7	23	91	153	153	20
Visayas	2025	5	7	24	84	153	153	20
Visayas	2025	5	8	1	80	153	153	20
Visayas	2025	5	8	2	76	153	153	20
Visayas	2025	5	8	3	74	153	153	20
Visayas	2025	5	8	4	69	153	153	20
Visayas	2025	5	8	5	72	153	153	20
Visayas	2025	5	8	6	75	153	153	20
Visayas	2025	5	8	7	74	153	153	20
Visayas	2025	5	8	8	88	153	153	20
Visayas	2025	5	8	9	101	153	153	20
Visayas	2025	5	8	10	111	153	153	20
Visayas	2025	5	8	11	114	153	153	20
Visayas	2025	5	8	12	112	153	153	20
Visayas	2025	5	8	13	112	153	153	20
Visayas	2025	5	8	14	116	153	153	20
Visayas	2025	5	8	15	115	153	153	20
Visayas	2025	5	8	16	111	153	153	20
Visayas	2025	5	8	17	105	153	153	20
Visayas	2025	5	8	18	102	153	153	20
Visayas	2025	5	8	19	107	153	153	20
Visayas	2025	5	8	20	104	153	153	20
Visayas	2025	5	8	21	104	153	153	20
Visayas	2025	5	8	22	96	153	153	20
Visayas	2025	5	8	23	91	153	153	20
Visayas	2025	5	8	24	86	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	9	1	82	153	153	20
Visayas	2025	5	9	2	78	153	153	20
Visayas	2025	5	9	3	74	153	153	20
Visayas	2025	5	9	4	72	153	153	20
Visayas	2025	5	9	5	72	153	153	20
Visayas	2025	5	9	6	73	153	153	20
Visayas	2025	5	9	7	75	153	153	20
Visayas	2025	5	9	8	86	153	153	20
Visayas	2025	5	9	9	104	153	153	20
Visayas	2025	5	9	10	110	153	153	20
Visayas	2025	5	9	11	115	153	153	20
Visayas	2025	5	9	12	111	153	153	20
Visayas	2025	5	9	13	114	153	153	20
Visayas	2025	5	9	14	118	153	153	20
Visayas	2025	5	9	15	117	153	153	20
Visayas	2025	5	9	16	114	153	153	20
Visayas	2025	5	9	17	108	153	153	20
Visayas	2025	5	9	18	102	153	153	20
Visayas	2025	5	9	19	107	153	153	20
Visayas	2025	5	9	20	103	153	153	20
Visayas	2025	5	9	21	101	153	153	20
Visayas	2025	5	9	22	97	153	153	20
Visayas	2025	5	9	23	92	153	153	20
Visayas	2025	5	9	24	87	153	153	20
Visayas	2025	5	10	1	82	153	153	20
Visayas	2025	5	10	2	79	153	153	20
Visayas	2025	5	10	3	76	153	153	20
Visayas	2025	5	10	4	74	153	153	20
Visayas	2025	5	10	5	74	153	153	20
Visayas	2025	5	10	6	73	153	153	20
Visayas	2025	5	10	7	75	153	153	20
Visayas	2025	5	10	8	82	153	153	20
Visayas	2025	5	10	9	95	153	153	20
Visayas	2025	5	10	10	103	153	153	20
Visayas	2025	5	10	11	107	153	153	20
Visayas	2025	5	10	12	104	153	153	20
Visayas	2025	5	10	13	105	153	153	20
Visayas	2025	5	10	14	110	153	153	20
Visayas	2025	5	10	15	108	153	153	20
Visayas	2025	5	10	16	104	153	153	20
Visayas	2025	5	10	17	97	153	153	20
Visayas	2025	5	10	18	99	153	153	20
Visayas	2025	5	10	19	106	153	153	20
Visayas	2025	5	10	20	103	153	153	20
Visayas	2025	5	10	21	100	153	153	20
Visayas	2025	5	10	22	99	153	153	20
Visayas	2025	5	10	23	93	153	153	20
Visayas	2025	5	10	24	89	153	153	20
Visayas	2025	5	11	1	85	153	153	20
Visayas	2025	5	11	2	81	153	153	20
Visayas	2025	5	11	3	78	153	153	20
Visayas	2025	5	11	4	75	153	153	20
Visayas	2025	5	11	5	74	153	153	20
Visayas	2025	5	11	6	72	153	153	20
Visayas	2025	5	11	7	69	153	153	20
Visayas	2025	5	11	8	73	153	153	20
Visayas	2025	5	11	9	78	153	153	20
Visayas	2025	5	11	10	87	153	153	20
Visayas	2025	5	11	11	90	153	153	20
Visayas	2025	5	11	12	90	153	153	20
Visayas	2025	5	11	13	92	153	153	20
Visayas	2025	5	11	14	91	153	153	20
Visayas	2025	5	11	15	91	153	153	20
Visayas	2025	5	11	16	91	153	153	20
Visayas	2025	5	11	17	88	153	153	20
Visayas	2025	5	11	18	88	153	153	20
Visayas	2025	5	11	19	97	153	153	20
Visayas	2025	5	11	20	94	153	153	20
Visayas	2025	5	11	21	95	153	153	20
Visayas	2025	5	11	22	93	153	153	20
Visayas	2025	5	11	23	89	153	153	20
Visayas	2025	5	11	24	84	153	153	20
Visayas	2025	5	12	1	79	153	153	20
Visayas	2025	5	12	2	76	153	153	20
Visayas	2025	5	12	3	74	153	153	20
Visayas	2025	5	12	4	72	153	153	20
Visayas	2025	5	12	5	72	153	153	20
Visayas	2025	5	12	6	68	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	12	7	63	153	153	20
Visayas	2025	5	12	8	64	153	153	20
Visayas	2025	5	12	9	65	153	153	20
Visayas	2025	5	12	10	69	153	153	20
Visayas	2025	5	12	11	75	153	153	20
Visayas	2025	5	12	12	79	153	153	20
Visayas	2025	5	12	13	81	153	153	20
Visayas	2025	5	12	14	83	153	153	20
Visayas	2025	5	12	15	83	153	153	20
Visayas	2025	5	12	16	81	153	153	20
Visayas	2025	5	12	17	79	153	153	20
Visayas	2025	5	12	18	86	153	153	20
Visayas	2025	5	12	19	97	153	153	20
Visayas	2025	5	12	20	92	153	153	20
Visayas	2025	5	12	21	92	153	153	20
Visayas	2025	5	12	22	89	153	153	20
Visayas	2025	5	12	23	87	153	153	20
Visayas	2025	5	12	24	82	153	153	20
Visayas	2025	5	13	1	78	153	153	20
Visayas	2025	5	13	2	74	153	153	20
Visayas	2025	5	13	3	72	153	153	20
Visayas	2025	5	13	4	68	153	153	20
Visayas	2025	5	13	5	69	153	153	20
Visayas	2025	5	13	6	71	153	153	20
Visayas	2025	5	13	7	73	153	153	20
Visayas	2025	5	13	8	86	153	153	20
Visayas	2025	5	13	9	100	153	153	20
Visayas	2025	5	13	10	110	153	153	20
Visayas	2025	5	13	11	114	153	153	20
Visayas	2025	5	13	12	112	153	153	20
Visayas	2025	5	13	13	115	153	153	20
Visayas	2025	5	13	14	117	153	153	20
Visayas	2025	5	13	15	117	153	153	20
Visayas	2025	5	13	16	114	153	153	20
Visayas	2025	5	13	17	105	153	153	20
Visayas	2025	5	13	18	105	153	153	20
Visayas	2025	5	13	19	109	153	153	20
Visayas	2025	5	13	20	104	153	153	20
Visayas	2025	5	13	21	103	153	153	20
Visayas	2025	5	13	22	98	153	153	20
Visayas	2025	5	13	23	92	153	153	20
Visayas	2025	5	13	24	88	153	153	20
Visayas	2025	5	14	1	83	153	153	20
Visayas	2025	5	14	2	79	153	153	20
Visayas	2025	5	14	3	77	153	153	20
Visayas	2025	5	14	4	74	153	153	20
Visayas	2025	5	14	5	74	153	153	20
Visayas	2025	5	14	6	75	153	153	20
Visayas	2025	5	14	7	78	153	153	20
Visayas	2025	5	14	8	90	153	153	20
Visayas	2025	5	14	9	106	153	153	20
Visayas	2025	5	14	10	114	153	153	20
Visayas	2025	5	14	11	119	153	153	20
Visayas	2025	5	14	12	117	153	153	20
Visayas	2025	5	14	13	117	153	153	20
Visayas	2025	5	14	14	121	153	153	20
Visayas	2025	5	14	15	120	153	153	20
Visayas	2025	5	14	16	117	153	153	20
Visayas	2025	5	14	17	110	153	153	20
Visayas	2025	5	14	18	105	153	153	20
Visayas	2025	5	14	19	111	153	153	20
Visayas	2025	5	14	20	109	153	153	20
Visayas	2025	5	14	21	107	153	153	20
Visayas	2025	5	14	22	103	153	153	20
Visayas	2025	5	14	23	96	153	153	20
Visayas	2025	5	14	24	91	153	153	20
Visayas	2025	5	15	1	86	153	153	20
Visayas	2025	5	15	2	82	153	153	20
Visayas	2025	5	15	3	79	153	153	20
Visayas	2025	5	15	4	77	153	153	20
Visayas	2025	5	15	5	77	153	153	20
Visayas	2025	5	15	6	76	153	153	20
Visayas	2025	5	15	7	79	153	153	20
Visayas	2025	5	15	8	92	153	153	20
Visayas	2025	5	15	9	110	153	153	20
Visayas	2025	5	15	10	117	153	153	20
Visayas	2025	5	15	11	119	153	153	20
Visayas	2025	5	15	12	117	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	15	13	118	153	153	20
Visayas	2025	5	15	14	123	153	153	20
Visayas	2025	5	15	15	123	153	153	20
Visayas	2025	5	15	16	120	153	153	20
Visayas	2025	5	15	17	113	153	153	20
Visayas	2025	5	15	18	109	153	153	20
Visayas	2025	5	15	19	113	153	153	20
Visayas	2025	5	15	20	111	153	153	20
Visayas	2025	5	15	21	111	153	153	20
Visayas	2025	5	15	22	105	153	153	20
Visayas	2025	5	15	23	100	153	153	20
Visayas	2025	5	15	24	94	153	153	20
Visayas	2025	5	16	1	89	153	153	20
Visayas	2025	5	16	2	85	153	153	20
Visayas	2025	5	16	3	81	153	153	20
Visayas	2025	5	16	4	77	153	153	20
Visayas	2025	5	16	5	77	153	153	20
Visayas	2025	5	16	6	76	153	153	20
Visayas	2025	5	16	7	79	153	153	20
Visayas	2025	5	16	8	92	153	153	20
Visayas	2025	5	16	9	109	153	153	20
Visayas	2025	5	16	10	115	153	153	20
Visayas	2025	5	16	11	119	153	153	20
Visayas	2025	5	16	12	118	153	153	20
Visayas	2025	5	16	13	118	153	153	20
Visayas	2025	5	16	14	124	153	153	20
Visayas	2025	5	16	15	121	153	153	20
Visayas	2025	5	16	16	117	153	153	20
Visayas	2025	5	16	17	110	153	153	20
Visayas	2025	5	16	18	106	153	153	20
Visayas	2025	5	16	19	113	153	153	20
Visayas	2025	5	16	20	108	153	153	20
Visayas	2025	5	16	21	105	153	153	20
Visayas	2025	5	16	22	100	153	153	20
Visayas	2025	5	16	23	95	153	153	20
Visayas	2025	5	16	24	90	153	153	20
Visayas	2025	5	17	1	86	153	153	20
Visayas	2025	5	17	2	83	153	153	20
Visayas	2025	5	17	3	79	153	153	20
Visayas	2025	5	17	4	75	153	153	20
Visayas	2025	5	17	5	75	153	153	20
Visayas	2025	5	17	6	76	153	153	20
Visayas	2025	5	17	7	76	153	153	20
Visayas	2025	5	17	8	82	153	153	20
Visayas	2025	5	17	9	93	153	153	20
Visayas	2025	5	17	10	99	153	153	20
Visayas	2025	5	17	11	102	153	153	20
Visayas	2025	5	17	12	100	153	153	20
Visayas	2025	5	17	13	102	153	153	20
Visayas	2025	5	17	14	106	153	153	20
Visayas	2025	5	17	15	102	153	153	20
Visayas	2025	5	17	16	100	153	153	20
Visayas	2025	5	17	17	97	153	153	20
Visayas	2025	5	17	18	100	153	153	20
Visayas	2025	5	17	19	103	153	153	20
Visayas	2025	5	17	20	101	153	153	20
Visayas	2025	5	17	21	97	153	153	20
Visayas	2025	5	17	22	93	153	153	20
Visayas	2025	5	17	23	87	153	153	20
Visayas	2025	5	17	24	83	153	153	20
Visayas	2025	5	18	1	80	153	153	20
Visayas	2025	5	18	2	77	153	153	20
Visayas	2025	5	18	3	73	153	153	20
Visayas	2025	5	18	4	70	153	153	20
Visayas	2025	5	18	5	71	153	153	20
Visayas	2025	5	18	6	68	153	153	20
Visayas	2025	5	18	7	66	153	153	20
Visayas	2025	5	18	8	70	153	153	20
Visayas	2025	5	18	9	74	153	153	20
Visayas	2025	5	18	10	78	153	153	20
Visayas	2025	5	18	11	79	153	153	20
Visayas	2025	5	18	12	80	153	153	20
Visayas	2025	5	18	13	80	153	153	20
Visayas	2025	5	18	14	81	153	153	20
Visayas	2025	5	18	15	83	153	153	20
Visayas	2025	5	18	16	82	153	153	20
Visayas	2025	5	18	17	83	153	153	20
Visayas	2025	5	18	18	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	18	19	95	153	153	20
Visayas	2025	5	18	20	90	153	153	20
Visayas	2025	5	18	21	87	153	153	20
Visayas	2025	5	18	22	84	153	153	20
Visayas	2025	5	18	23	79	153	153	20
Visayas	2025	5	18	24	75	153	153	20
Visayas	2025	5	19	1	71	153	153	20
Visayas	2025	5	19	2	68	153	153	20
Visayas	2025	5	19	3	65	153	153	20
Visayas	2025	5	19	4	65	153	153	20
Visayas	2025	5	19	5	66	153	153	20
Visayas	2025	5	19	6	68	153	153	20
Visayas	2025	5	19	7	70	153	153	20
Visayas	2025	5	19	8	83	153	153	20
Visayas	2025	5	19	9	101	153	153	20
Visayas	2025	5	19	10	109	153	153	20
Visayas	2025	5	19	11	112	153	153	20
Visayas	2025	5	19	12	110	153	153	20
Visayas	2025	5	19	13	113	153	153	20
Visayas	2025	5	19	14	119	153	153	20
Visayas	2025	5	19	15	116	153	153	20
Visayas	2025	5	19	16	112	153	153	20
Visayas	2025	5	19	17	103	153	153	20
Visayas	2025	5	19	18	104	153	153	20
Visayas	2025	5	19	19	104	153	153	20
Visayas	2025	5	19	20	103	153	153	20
Visayas	2025	5	19	21	101	153	153	20
Visayas	2025	5	19	22	94	153	153	20
Visayas	2025	5	19	23	88	153	153	20
Visayas	2025	5	19	24	85	153	153	20
Visayas	2025	5	20	1	80	153	153	20
Visayas	2025	5	20	2	77	153	153	20
Visayas	2025	5	20	3	73	153	153	20
Visayas	2025	5	20	4	72	153	153	20
Visayas	2025	5	20	5	72	153	153	20
Visayas	2025	5	20	6	75	153	153	20
Visayas	2025	5	20	7	76	153	153	20
Visayas	2025	5	20	8	88	153	153	20
Visayas	2025	5	20	9	104	153	153	20
Visayas	2025	5	20	10	113	153	153	20
Visayas	2025	5	20	11	113	153	153	20
Visayas	2025	5	20	12	113	153	153	20
Visayas	2025	5	20	13	115	153	153	20
Visayas	2025	5	20	14	120	153	153	20
Visayas	2025	5	20	15	120	153	153	20
Visayas	2025	5	20	16	117	153	153	20
Visayas	2025	5	20	17	109	153	153	20
Visayas	2025	5	20	18	108	153	153	20
Visayas	2025	5	20	19	109	153	153	20
Visayas	2025	5	20	20	106	153	153	20
Visayas	2025	5	20	21	104	153	153	20
Visayas	2025	5	20	22	98	153	153	20
Visayas	2025	5	20	23	92	153	153	20
Visayas	2025	5	20	24	86	153	153	20
Visayas	2025	5	21	1	81	153	153	20
Visayas	2025	5	21	2	78	153	153	20
Visayas	2025	5	21	3	75	153	153	20
Visayas	2025	5	21	4	72	153	153	20
Visayas	2025	5	21	5	73	153	153	20
Visayas	2025	5	21	6	73	153	153	20
Visayas	2025	5	21	7	75	153	153	20
Visayas	2025	5	21	8	85	153	153	20
Visayas	2025	5	21	9	103	153	153	20
Visayas	2025	5	21	10	110	153	153	20
Visayas	2025	5	21	11	116	153	153	20
Visayas	2025	5	21	12	113	153	153	20
Visayas	2025	5	21	13	113	153	153	20
Visayas	2025	5	21	14	119	153	153	20
Visayas	2025	5	21	15	118	153	153	20
Visayas	2025	5	21	16	117	153	153	20
Visayas	2025	5	21	17	107	153	153	20
Visayas	2025	5	21	18	105	153	153	20
Visayas	2025	5	21	19	108	153	153	20
Visayas	2025	5	21	20	104	153	153	20
Visayas	2025	5	21	21	100	153	153	20
Visayas	2025	5	21	22	95	153	153	20
Visayas	2025	5	21	23	93	153	153	20
Visayas	2025	5	21	24	85	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	22	1	80	153	153	20
Visayas	2025	5	22	2	77	153	153	20
Visayas	2025	5	22	3	74	153	153	20
Visayas	2025	5	22	4	71	153	153	20
Visayas	2025	5	22	5	73	153	153	20
Visayas	2025	5	22	6	74	153	153	20
Visayas	2025	5	22	7	75	153	153	20
Visayas	2025	5	22	8	89	153	153	20
Visayas	2025	5	22	9	105	153	153	20
Visayas	2025	5	22	10	115	153	153	20
Visayas	2025	5	22	11	117	153	153	20
Visayas	2025	5	22	12	114	153	153	20
Visayas	2025	5	22	13	115	153	153	20
Visayas	2025	5	22	14	122	153	153	20
Visayas	2025	5	22	15	118	153	153	20
Visayas	2025	5	22	16	115	153	153	20
Visayas	2025	5	22	17	108	153	153	20
Visayas	2025	5	22	18	105	153	153	20
Visayas	2025	5	22	19	109	153	153	20
Visayas	2025	5	22	20	106	153	153	20
Visayas	2025	5	22	21	103	153	153	20
Visayas	2025	5	22	22	97	153	153	20
Visayas	2025	5	22	23	94	153	153	20
Visayas	2025	5	22	24	87	153	153	20
Visayas	2025	5	23	1	82	153	153	20
Visayas	2025	5	23	2	79	153	153	20
Visayas	2025	5	23	3	76	153	153	20
Visayas	2025	5	23	4	73	153	153	20
Visayas	2025	5	23	5	74	153	153	20
Visayas	2025	5	23	6	76	153	153	20
Visayas	2025	5	23	7	78	153	153	20
Visayas	2025	5	23	8	88	153	153	20
Visayas	2025	5	23	9	109	153	153	20
Visayas	2025	5	23	10	115	153	153	20
Visayas	2025	5	23	11	118	153	153	20
Visayas	2025	5	23	12	115	153	153	20
Visayas	2025	5	23	13	117	153	153	20
Visayas	2025	5	23	14	121	153	153	20
Visayas	2025	5	23	15	120	153	153	20
Visayas	2025	5	23	16	116	153	153	20
Visayas	2025	5	23	17	107	153	153	20
Visayas	2025	5	23	18	106	153	153	20
Visayas	2025	5	23	19	111	153	153	20
Visayas	2025	5	23	20	106	153	153	20
Visayas	2025	5	23	21	103	153	153	20
Visayas	2025	5	23	22	97	153	153	20
Visayas	2025	5	23	23	93	153	153	20
Visayas	2025	5	23	24	87	153	153	20
Visayas	2025	5	24	1	83	153	153	20
Visayas	2025	5	24	2	80	153	153	20
Visayas	2025	5	24	3	77	153	153	20
Visayas	2025	5	24	4	74	153	153	20
Visayas	2025	5	24	5	75	153	153	20
Visayas	2025	5	24	6	73	153	153	20
Visayas	2025	5	24	7	74	153	153	20
Visayas	2025	5	24	8	79	153	153	20
Visayas	2025	5	24	9	90	153	153	20
Visayas	2025	5	24	10	99	153	153	20
Visayas	2025	5	24	11	101	153	153	20
Visayas	2025	5	24	12	97	153	153	20
Visayas	2025	5	24	13	98	153	153	20
Visayas	2025	5	24	14	102	153	153	20
Visayas	2025	5	24	15	102	153	153	20
Visayas	2025	5	24	16	97	153	153	20
Visayas	2025	5	24	17	94	153	153	20
Visayas	2025	5	24	18	99	153	153	20
Visayas	2025	5	24	19	104	153	153	20
Visayas	2025	5	24	20	101	153	153	20
Visayas	2025	5	24	21	99	153	153	20
Visayas	2025	5	24	22	93	153	153	20
Visayas	2025	5	24	23	86	153	153	20
Visayas	2025	5	24	24	82	153	153	20
Visayas	2025	5	25	1	78	153	153	20
Visayas	2025	5	25	2	75	153	153	20
Visayas	2025	5	25	3	72	153	153	20
Visayas	2025	5	25	4	68	153	153	20
Visayas	2025	5	25	5	67	153	153	20
Visayas	2025	5	25	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	25	7	65	153	153	20
Visayas	2025	5	25	8	71	153	153	20
Visayas	2025	5	25	9	76	153	153	20
Visayas	2025	5	25	10	81	153	153	20
Visayas	2025	5	25	11	85	153	153	20
Visayas	2025	5	25	12	82	153	153	20
Visayas	2025	5	25	13	83	153	153	20
Visayas	2025	5	25	14	86	153	153	20
Visayas	2025	5	25	15	83	153	153	20
Visayas	2025	5	25	16	81	153	153	20
Visayas	2025	5	25	17	81	153	153	20
Visayas	2025	5	25	18	90	153	153	20
Visayas	2025	5	25	19	95	153	153	20
Visayas	2025	5	25	20	93	153	153	20
Visayas	2025	5	25	21	91	153	153	20
Visayas	2025	5	25	22	85	153	153	20
Visayas	2025	5	25	23	81	153	153	20
Visayas	2025	5	25	24	76	153	153	20
Visayas	2025	5	26	1	71	153	153	20
Visayas	2025	5	26	2	69	153	153	20
Visayas	2025	5	26	3	65	153	153	20
Visayas	2025	5	26	4	64	153	153	20
Visayas	2025	5	26	5	65	153	153	20
Visayas	2025	5	26	6	68	153	153	20
Visayas	2025	5	26	7	71	153	153	20
Visayas	2025	5	26	8	85	153	153	20
Visayas	2025	5	26	9	101	153	153	20
Visayas	2025	5	26	10	110	153	153	20
Visayas	2025	5	26	11	115	153	153	20
Visayas	2025	5	26	12	112	153	153	20
Visayas	2025	5	26	13	114	153	153	20
Visayas	2025	5	26	14	119	153	153	20
Visayas	2025	5	26	15	117	153	153	20
Visayas	2025	5	26	16	115	153	153	20
Visayas	2025	5	26	17	106	153	153	20
Visayas	2025	5	26	18	104	153	153	20
Visayas	2025	5	26	19	109	153	153	20
Visayas	2025	5	26	20	104	153	153	20
Visayas	2025	5	26	21	101	153	153	20
Visayas	2025	5	26	22	95	153	153	20
Visayas	2025	5	26	23	91	153	153	20
Visayas	2025	5	26	24	83	153	153	20
Visayas	2025	5	27	1	80	153	153	20
Visayas	2025	5	27	2	76	153	153	20
Visayas	2025	5	27	3	73	153	153	20
Visayas	2025	5	27	4	72	153	153	20
Visayas	2025	5	27	5	72	153	153	20
Visayas	2025	5	27	6	74	153	153	20
Visayas	2025	5	27	7	76	153	153	20
Visayas	2025	5	27	8	88	153	153	20
Visayas	2025	5	27	9	107	153	153	20
Visayas	2025	5	27	10	115	153	153	20
Visayas	2025	5	27	11	117	153	153	20
Visayas	2025	5	27	12	116	153	153	20
Visayas	2025	5	27	13	116	153	153	20
Visayas	2025	5	27	14	119	153	153	20
Visayas	2025	5	27	15	118	153	153	20
Visayas	2025	5	27	16	113	153	153	20
Visayas	2025	5	27	17	105	153	153	20
Visayas	2025	5	27	18	103	153	153	20
Visayas	2025	5	27	19	109	153	153	20
Visayas	2025	5	27	20	104	153	153	20
Visayas	2025	5	27	21	101	153	153	20
Visayas	2025	5	27	22	96	153	153	20
Visayas	2025	5	27	23	90	153	153	20
Visayas	2025	5	27	24	84	153	153	20
Visayas	2025	5	28	1	80	153	153	20
Visayas	2025	5	28	2	76	153	153	20
Visayas	2025	5	28	3	74	153	153	20
Visayas	2025	5	28	4	71	153	153	20
Visayas	2025	5	28	5	72	153	153	20
Visayas	2025	5	28	6	74	153	153	20
Visayas	2025	5	28	7	76	153	153	20
Visayas	2025	5	28	8	89	153	153	20
Visayas	2025	5	28	9	106	153	153	20
Visayas	2025	5	28	10	114	153	153	20
Visayas	2025	5	28	11	118	153	153	20
Visayas	2025	5	28	12	115	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	28	13	117	153	153	20
Visayas	2025	5	28	14	121	153	153	20
Visayas	2025	5	28	15	119	153	153	20
Visayas	2025	5	28	16	116	153	153	20
Visayas	2025	5	28	17	110	153	153	20
Visayas	2025	5	28	18	107	153	153	20
Visayas	2025	5	28	19	112	153	153	20
Visayas	2025	5	28	20	108	153	153	20
Visayas	2025	5	28	21	105	153	153	20
Visayas	2025	5	28	22	101	153	153	20
Visayas	2025	5	28	23	92	153	153	20
Visayas	2025	5	28	24	87	153	153	20
Visayas	2025	5	29	1	81	153	153	20
Visayas	2025	5	29	2	78	153	153	20
Visayas	2025	5	29	3	76	153	153	20
Visayas	2025	5	29	4	72	153	153	20
Visayas	2025	5	29	5	73	153	153	20
Visayas	2025	5	29	6	74	153	153	20
Visayas	2025	5	29	7	74	153	153	20
Visayas	2025	5	29	8	91	153	153	20
Visayas	2025	5	29	9	106	153	153	20
Visayas	2025	5	29	10	113	153	153	20
Visayas	2025	5	29	11	117	153	153	20
Visayas	2025	5	29	12	114	153	153	20
Visayas	2025	5	29	13	116	153	153	20
Visayas	2025	5	29	14	120	153	153	20
Visayas	2025	5	29	15	119	153	153	20
Visayas	2025	5	29	16	116	153	153	20
Visayas	2025	5	29	17	108	153	153	20
Visayas	2025	5	29	18	105	153	153	20
Visayas	2025	5	29	19	112	153	153	20
Visayas	2025	5	29	20	108	153	153	20
Visayas	2025	5	29	21	105	153	153	20
Visayas	2025	5	29	22	94	153	153	20
Visayas	2025	5	29	23	92	153	153	20
Visayas	2025	5	29	24	86	153	153	20
Visayas	2025	5	30	1	80	153	153	20
Visayas	2025	5	30	2	79	153	153	20
Visayas	2025	5	30	3	74	153	153	20
Visayas	2025	5	30	4	71	153	153	20
Visayas	2025	5	30	5	71	153	153	20
Visayas	2025	5	30	6	72	153	153	20
Visayas	2025	5	30	7	74	153	153	20
Visayas	2025	5	30	8	83	153	153	20
Visayas	2025	5	30	9	94	153	153	20
Visayas	2025	5	30	10	103	153	153	20
Visayas	2025	5	30	11	111	153	153	20
Visayas	2025	5	30	12	108	153	153	20
Visayas	2025	5	30	13	108	153	153	20
Visayas	2025	5	30	14	114	153	153	20
Visayas	2025	5	30	15	111	153	153	20
Visayas	2025	5	30	16	107	153	153	20
Visayas	2025	5	30	17	101	153	153	20
Visayas	2025	5	30	18	100	153	153	20
Visayas	2025	5	30	19	102	153	153	20
Visayas	2025	5	30	20	99	153	153	20
Visayas	2025	5	30	21	95	153	153	20
Visayas	2025	5	30	22	89	153	153	20
Visayas	2025	5	30	23	84	153	153	20
Visayas	2025	5	30	24	78	153	153	20
Visayas	2025	5	31	1	74	153	153	20
Visayas	2025	5	31	2	71	153	153	20
Visayas	2025	5	31	3	69	153	153	20
Visayas	2025	5	31	4	66	153	153	20
Visayas	2025	5	31	5	66	153	153	20
Visayas	2025	5	31	6	66	153	153	20
Visayas	2025	5	31	7	68	153	153	20
Visayas	2025	5	31	8	72	153	153	20
Visayas	2025	5	31	9	83	153	153	20
Visayas	2025	5	31	10	90	153	153	20
Visayas	2025	5	31	11	97	153	153	20
Visayas	2025	5	31	12	94	153	153	20
Visayas	2025	5	31	13	95	153	153	20
Visayas	2025	5	31	14	98	153	153	20
Visayas	2025	5	31	15	97	153	153	20
Visayas	2025	5	31	16	94	153	153	20
Visayas	2025	5	31	17	91	153	153	20
Visayas	2025	5	31	18	94	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	5	31	19	97	153	153	20
Visayas	2025	5	31	20	95	153	153	20
Visayas	2025	5	31	21	92	153	153	20
Visayas	2025	5	31	22	86	153	153	20
Visayas	2025	5	31	23	82	153	153	20
Visayas	2025	5	31	24	79	153	153	20
Visayas	2025	6	1	1	73	153	153	20
Visayas	2025	6	1	2	70	153	153	20
Visayas	2025	6	1	3	68	153	153	20
Visayas	2025	6	1	4	65	153	153	20
Visayas	2025	6	1	5	65	153	153	20
Visayas	2025	6	1	6	64	153	153	20
Visayas	2025	6	1	7	62	153	153	20
Visayas	2025	6	1	8	64	153	153	20
Visayas	2025	6	1	9	71	153	153	20
Visayas	2025	6	1	10	79	153	153	20
Visayas	2025	6	1	11	82	153	153	20
Visayas	2025	6	1	12	84	153	153	20
Visayas	2025	6	1	13	81	153	153	20
Visayas	2025	6	1	14	82	153	153	20
Visayas	2025	6	1	15	81	153	153	20
Visayas	2025	6	1	16	80	153	153	20
Visayas	2025	6	1	17	82	153	153	20
Visayas	2025	6	1	18	86	153	153	20
Visayas	2025	6	1	19	94	153	153	20
Visayas	2025	6	1	20	93	153	153	20
Visayas	2025	6	1	21	91	153	153	20
Visayas	2025	6	1	22	86	153	153	20
Visayas	2025	6	1	23	80	153	153	20
Visayas	2025	6	1	24	74	153	153	20
Visayas	2025	6	2	1	71	153	153	20
Visayas	2025	6	2	2	67	153	153	20
Visayas	2025	6	2	3	66	153	153	20
Visayas	2025	6	2	4	64	153	153	20
Visayas	2025	6	2	5	65	153	153	20
Visayas	2025	6	2	6	67	153	153	20
Visayas	2025	6	2	7	68	153	153	20
Visayas	2025	6	2	8	80	153	153	20
Visayas	2025	6	2	9	97	153	153	20
Visayas	2025	6	2	10	104	153	153	20
Visayas	2025	6	2	11	106	153	153	20
Visayas	2025	6	2	12	101	153	153	20
Visayas	2025	6	2	13	98	153	153	20
Visayas	2025	6	2	14	106	153	153	20
Visayas	2025	6	2	15	104	153	153	20
Visayas	2025	6	2	16	102	153	153	20
Visayas	2025	6	2	17	95	153	153	20
Visayas	2025	6	2	18	97	153	153	20
Visayas	2025	6	2	19	100	153	153	20
Visayas	2025	6	2	20	95	153	153	20
Visayas	2025	6	2	21	91	153	153	20
Visayas	2025	6	2	22	84	153	153	20
Visayas	2025	6	2	23	79	153	153	20
Visayas	2025	6	2	24	75	153	153	20
Visayas	2025	6	3	1	70	153	153	20
Visayas	2025	6	3	2	67	153	153	20
Visayas	2025	6	3	3	65	153	153	20
Visayas	2025	6	3	4	63	153	153	20
Visayas	2025	6	3	5	65	153	153	20
Visayas	2025	6	3	6	68	153	153	20
Visayas	2025	6	3	7	70	153	153	20
Visayas	2025	6	3	8	79	153	153	20
Visayas	2025	6	3	9	94	153	153	20
Visayas	2025	6	3	10	102	153	153	20
Visayas	2025	6	3	11	105	153	153	20
Visayas	2025	6	3	12	104	153	153	20
Visayas	2025	6	3	13	104	153	153	20
Visayas	2025	6	3	14	109	153	153	20
Visayas	2025	6	3	15	109	153	153	20
Visayas	2025	6	3	16	106	153	153	20
Visayas	2025	6	3	17	98	153	153	20
Visayas	2025	6	3	18	99	153	153	20
Visayas	2025	6	3	19	100	153	153	20
Visayas	2025	6	3	20	97	153	153	20
Visayas	2025	6	3	21	93	153	153	20
Visayas	2025	6	3	22	87	153	153	20
Visayas	2025	6	3	23	82	153	153	20
Visayas	2025	6	3	24	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	4	1	73	153	153	20
Visayas	2025	6	4	2	71	153	153	20
Visayas	2025	6	4	3	67	153	153	20
Visayas	2025	6	4	4	66	153	153	20
Visayas	2025	6	4	5	67	153	153	20
Visayas	2025	6	4	6	69	153	153	20
Visayas	2025	6	4	7	73	153	153	20
Visayas	2025	6	4	8	84	153	153	20
Visayas	2025	6	4	9	100	153	153	20
Visayas	2025	6	4	10	112	153	153	20
Visayas	2025	6	4	11	113	153	153	20
Visayas	2025	6	4	12	110	153	153	20
Visayas	2025	6	4	13	112	153	153	20
Visayas	2025	6	4	14	119	153	153	20
Visayas	2025	6	4	15	117	153	153	20
Visayas	2025	6	4	16	115	153	153	20
Visayas	2025	6	4	17	108	153	153	20
Visayas	2025	6	4	18	103	153	153	20
Visayas	2025	6	4	19	110	153	153	20
Visayas	2025	6	4	20	106	153	153	20
Visayas	2025	6	4	21	102	153	153	20
Visayas	2025	6	4	22	99	153	153	20
Visayas	2025	6	4	23	91	153	153	20
Visayas	2025	6	4	24	87	153	153	20
Visayas	2025	6	5	1	82	153	153	20
Visayas	2025	6	5	2	78	153	153	20
Visayas	2025	6	5	3	75	153	153	20
Visayas	2025	6	5	4	72	153	153	20
Visayas	2025	6	5	5	74	153	153	20
Visayas	2025	6	5	6	75	153	153	20
Visayas	2025	6	5	7	75	153	153	20
Visayas	2025	6	5	8	89	153	153	20
Visayas	2025	6	5	9	105	153	153	20
Visayas	2025	6	5	10	114	153	153	20
Visayas	2025	6	5	11	119	153	153	20
Visayas	2025	6	5	12	115	153	153	20
Visayas	2025	6	5	13	117	153	153	20
Visayas	2025	6	5	14	119	153	153	20
Visayas	2025	6	5	15	116	153	153	20
Visayas	2025	6	5	16	112	153	153	20
Visayas	2025	6	5	17	104	153	153	20
Visayas	2025	6	5	18	100	153	153	20
Visayas	2025	6	5	19	103	153	153	20
Visayas	2025	6	5	20	101	153	153	20
Visayas	2025	6	5	21	96	153	153	20
Visayas	2025	6	5	22	90	153	153	20
Visayas	2025	6	5	23	86	153	153	20
Visayas	2025	6	5	24	80	153	153	20
Visayas	2025	6	6	1	76	153	153	20
Visayas	2025	6	6	2	72	153	153	20
Visayas	2025	6	6	3	69	153	153	20
Visayas	2025	6	6	4	69	153	153	20
Visayas	2025	6	6	5	69	153	153	20
Visayas	2025	6	6	6	71	153	153	20
Visayas	2025	6	6	7	73	153	153	20
Visayas	2025	6	6	8	85	153	153	20
Visayas	2025	6	6	9	103	153	153	20
Visayas	2025	6	6	10	111	153	153	20
Visayas	2025	6	6	11	114	153	153	20
Visayas	2025	6	6	12	112	153	153	20
Visayas	2025	6	6	13	113	153	153	20
Visayas	2025	6	6	14	118	153	153	20
Visayas	2025	6	6	15	118	153	153	20
Visayas	2025	6	6	16	113	153	153	20
Visayas	2025	6	6	17	104	153	153	20
Visayas	2025	6	6	18	99	153	153	20
Visayas	2025	6	6	19	110	153	153	20
Visayas	2025	6	6	20	106	153	153	20
Visayas	2025	6	6	21	103	153	153	20
Visayas	2025	6	6	22	97	153	153	20
Visayas	2025	6	6	23	91	153	153	20
Visayas	2025	6	6	24	86	153	153	20
Visayas	2025	6	7	1	82	153	153	20
Visayas	2025	6	7	2	78	153	153	20
Visayas	2025	6	7	3	75	153	153	20
Visayas	2025	6	7	4	72	153	153	20
Visayas	2025	6	7	5	72	153	153	20
Visayas	2025	6	7	6	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	7	7	73	153	153	20
Visayas	2025	6	7	8	82	153	153	20
Visayas	2025	6	7	9	93	153	153	20
Visayas	2025	6	7	10	101	153	153	20
Visayas	2025	6	7	11	105	153	153	20
Visayas	2025	6	7	12	104	153	153	20
Visayas	2025	6	7	13	104	153	153	20
Visayas	2025	6	7	14	106	153	153	20
Visayas	2025	6	7	15	106	153	153	20
Visayas	2025	6	7	16	102	153	153	20
Visayas	2025	6	7	17	96	153	153	20
Visayas	2025	6	7	18	97	153	153	20
Visayas	2025	6	7	19	103	153	153	20
Visayas	2025	6	7	20	101	153	153	20
Visayas	2025	6	7	21	99	153	153	20
Visayas	2025	6	7	22	93	153	153	20
Visayas	2025	6	7	23	88	153	153	20
Visayas	2025	6	7	24	84	153	153	20
Visayas	2025	6	8	1	79	153	153	20
Visayas	2025	6	8	2	77	153	153	20
Visayas	2025	6	8	3	74	153	153	20
Visayas	2025	6	8	4	71	153	153	20
Visayas	2025	6	8	5	70	153	153	20
Visayas	2025	6	8	6	64	153	153	20
Visayas	2025	6	8	7	60	153	153	20
Visayas	2025	6	8	8	63	153	153	20
Visayas	2025	6	8	9	68	153	153	20
Visayas	2025	6	8	10	74	153	153	20
Visayas	2025	6	8	11	75	153	153	20
Visayas	2025	6	8	12	74	153	153	20
Visayas	2025	6	8	13	69	153	153	20
Visayas	2025	6	8	14	74	153	153	20
Visayas	2025	6	8	15	72	153	153	20
Visayas	2025	6	8	16	72	153	153	20
Visayas	2025	6	8	17	72	153	153	20
Visayas	2025	6	8	18	78	153	153	20
Visayas	2025	6	8	19	87	153	153	20
Visayas	2025	6	8	20	90	153	153	20
Visayas	2025	6	8	21	87	153	153	20
Visayas	2025	6	8	22	82	153	153	20
Visayas	2025	6	8	23	77	153	153	20
Visayas	2025	6	8	24	71	153	153	20
Visayas	2025	6	9	1	67	153	153	20
Visayas	2025	6	9	2	64	153	153	20
Visayas	2025	6	9	3	62	153	153	20
Visayas	2025	6	9	4	62	153	153	20
Visayas	2025	6	9	5	63	153	153	20
Visayas	2025	6	9	6	66	153	153	20
Visayas	2025	6	9	7	70	153	153	20
Visayas	2025	6	9	8	82	153	153	20
Visayas	2025	6	9	9	99	153	153	20
Visayas	2025	6	9	10	107	153	153	20
Visayas	2025	6	9	11	113	153	153	20
Visayas	2025	6	9	12	109	153	153	20
Visayas	2025	6	9	13	109	153	153	20
Visayas	2025	6	9	14	114	153	153	20
Visayas	2025	6	9	15	114	153	153	20
Visayas	2025	6	9	16	111	153	153	20
Visayas	2025	6	9	17	100	153	153	20
Visayas	2025	6	9	18	102	153	153	20
Visayas	2025	6	9	19	106	153	153	20
Visayas	2025	6	9	20	103	153	153	20
Visayas	2025	6	9	21	100	153	153	20
Visayas	2025	6	9	22	93	153	153	20
Visayas	2025	6	9	23	87	153	153	20
Visayas	2025	6	9	24	78	153	153	20
Visayas	2025	6	10	1	74	153	153	20
Visayas	2025	6	10	2	74	153	153	20
Visayas	2025	6	10	3	70	153	153	20
Visayas	2025	6	10	4	69	153	153	20
Visayas	2025	6	10	5	70	153	153	20
Visayas	2025	6	10	6	71	153	153	20
Visayas	2025	6	10	7	73	153	153	20
Visayas	2025	6	10	8	87	153	153	20
Visayas	2025	6	10	9	103	153	153	20
Visayas	2025	6	10	10	109	153	153	20
Visayas	2025	6	10	11	116	153	153	20
Visayas	2025	6	10	12	112	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	10	13	114	153	153	20
Visayas	2025	6	10	14	119	153	153	20
Visayas	2025	6	10	15	119	153	153	20
Visayas	2025	6	10	16	114	153	153	20
Visayas	2025	6	10	17	105	153	153	20
Visayas	2025	6	10	18	99	153	153	20
Visayas	2025	6	10	19	110	153	153	20
Visayas	2025	6	10	20	105	153	153	20
Visayas	2025	6	10	21	101	153	153	20
Visayas	2025	6	10	22	95	153	153	20
Visayas	2025	6	10	23	88	153	153	20
Visayas	2025	6	10	24	83	153	153	20
Visayas	2025	6	11	1	79	153	153	20
Visayas	2025	6	11	2	74	153	153	20
Visayas	2025	6	11	3	71	153	153	20
Visayas	2025	6	11	4	69	153	153	20
Visayas	2025	6	11	5	70	153	153	20
Visayas	2025	6	11	6	72	153	153	20
Visayas	2025	6	11	7	75	153	153	20
Visayas	2025	6	11	8	88	153	153	20
Visayas	2025	6	11	9	105	153	153	20
Visayas	2025	6	11	10	114	153	153	20
Visayas	2025	6	11	11	117	153	153	20
Visayas	2025	6	11	12	113	153	153	20
Visayas	2025	6	11	13	110	153	153	20
Visayas	2025	6	11	14	116	153	153	20
Visayas	2025	6	11	15	115	153	153	20
Visayas	2025	6	11	16	110	153	153	20
Visayas	2025	6	11	17	103	153	153	20
Visayas	2025	6	11	18	100	153	153	20
Visayas	2025	6	11	19	105	153	153	20
Visayas	2025	6	11	20	101	153	153	20
Visayas	2025	6	11	21	98	153	153	20
Visayas	2025	6	11	22	91	153	153	20
Visayas	2025	6	11	23	84	153	153	20
Visayas	2025	6	11	24	80	153	153	20
Visayas	2025	6	12	1	73	153	153	20
Visayas	2025	6	12	2	69	153	153	20
Visayas	2025	6	12	3	67	153	153	20
Visayas	2025	6	12	4	64	153	153	20
Visayas	2025	6	12	5	64	153	153	20
Visayas	2025	6	12	6	62	153	153	20
Visayas	2025	6	12	7	62	153	153	20
Visayas	2025	6	12	8	66	153	153	20
Visayas	2025	6	12	9	73	153	153	20
Visayas	2025	6	12	10	80	153	153	20
Visayas	2025	6	12	11	83	153	153	20
Visayas	2025	6	12	12	83	153	153	20
Visayas	2025	6	12	13	84	153	153	20
Visayas	2025	6	12	14	87	153	153	20
Visayas	2025	6	12	15	86	153	153	20
Visayas	2025	6	12	16	84	153	153	20
Visayas	2025	6	12	17	81	153	153	20
Visayas	2025	6	12	18	86	153	153	20
Visayas	2025	6	12	19	97	153	153	20
Visayas	2025	6	12	20	92	153	153	20
Visayas	2025	6	12	21	89	153	153	20
Visayas	2025	6	12	22	88	153	153	20
Visayas	2025	6	12	23	81	153	153	20
Visayas	2025	6	12	24	77	153	153	20
Visayas	2025	6	13	1	81	153	153	20
Visayas	2025	6	13	2	78	153	153	20
Visayas	2025	6	13	3	75	153	153	20
Visayas	2025	6	13	4	73	153	153	20
Visayas	2025	6	13	5	72	153	153	20
Visayas	2025	6	13	6	73	153	153	20
Visayas	2025	6	13	7	75	153	153	20
Visayas	2025	6	13	8	89	153	153	20
Visayas	2025	6	13	9	105	153	153	20
Visayas	2025	6	13	10	114	153	153	20
Visayas	2025	6	13	11	118	153	153	20
Visayas	2025	6	13	12	115	153	153	20
Visayas	2025	6	13	13	117	153	153	20
Visayas	2025	6	13	14	122	153	153	20
Visayas	2025	6	13	15	118	153	153	20
Visayas	2025	6	13	16	114	153	153	20
Visayas	2025	6	13	17	104	153	153	20
Visayas	2025	6	13	18	102	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	13	19	107	153	153	20
Visayas	2025	6	13	20	103	153	153	20
Visayas	2025	6	13	21	99	153	153	20
Visayas	2025	6	13	22	96	153	153	20
Visayas	2025	6	13	23	89	153	153	20
Visayas	2025	6	13	24	84	153	153	20
Visayas	2025	6	14	1	80	153	153	20
Visayas	2025	6	14	2	76	153	153	20
Visayas	2025	6	14	3	71	153	153	20
Visayas	2025	6	14	4	70	153	153	20
Visayas	2025	6	14	5	70	153	153	20
Visayas	2025	6	14	6	71	153	153	20
Visayas	2025	6	14	7	70	153	153	20
Visayas	2025	6	14	8	77	153	153	20
Visayas	2025	6	14	9	85	153	153	20
Visayas	2025	6	14	10	90	153	153	20
Visayas	2025	6	14	11	93	153	153	20
Visayas	2025	6	14	12	90	153	153	20
Visayas	2025	6	14	13	91	153	153	20
Visayas	2025	6	14	14	95	153	153	20
Visayas	2025	6	14	15	94	153	153	20
Visayas	2025	6	14	16	92	153	153	20
Visayas	2025	6	14	17	90	153	153	20
Visayas	2025	6	14	18	91	153	153	20
Visayas	2025	6	14	19	99	153	153	20
Visayas	2025	6	14	20	96	153	153	20
Visayas	2025	6	14	21	93	153	153	20
Visayas	2025	6	14	22	88	153	153	20
Visayas	2025	6	14	23	82	153	153	20
Visayas	2025	6	14	24	78	153	153	20
Visayas	2025	6	15	1	78	153	153	20
Visayas	2025	6	15	2	76	153	153	20
Visayas	2025	6	15	3	73	153	153	20
Visayas	2025	6	15	4	70	153	153	20
Visayas	2025	6	15	5	69	153	153	20
Visayas	2025	6	15	6	67	153	153	20
Visayas	2025	6	15	7	62	153	153	20
Visayas	2025	6	15	8	70	153	153	20
Visayas	2025	6	15	9	74	153	153	20
Visayas	2025	6	15	10	80	153	153	20
Visayas	2025	6	15	11	83	153	153	20
Visayas	2025	6	15	12	85	153	153	20
Visayas	2025	6	15	13	84	153	153	20
Visayas	2025	6	15	14	86	153	153	20
Visayas	2025	6	15	15	84	153	153	20
Visayas	2025	6	15	16	84	153	153	20
Visayas	2025	6	15	17	81	153	153	20
Visayas	2025	6	15	18	86	153	153	20
Visayas	2025	6	15	19	100	153	153	20
Visayas	2025	6	15	20	97	153	153	20
Visayas	2025	6	15	21	95	153	153	20
Visayas	2025	6	15	22	91	153	153	20
Visayas	2025	6	15	23	86	153	153	20
Visayas	2025	6	15	24	80	153	153	20
Visayas	2025	6	16	1	72	153	153	20
Visayas	2025	6	16	2	69	153	153	20
Visayas	2025	6	16	3	66	153	153	20
Visayas	2025	6	16	4	64	153	153	20
Visayas	2025	6	16	5	65	153	153	20
Visayas	2025	6	16	6	67	153	153	20
Visayas	2025	6	16	7	72	153	153	20
Visayas	2025	6	16	8	85	153	153	20
Visayas	2025	6	16	9	101	153	153	20
Visayas	2025	6	16	10	112	153	153	20
Visayas	2025	6	16	11	109	153	153	20
Visayas	2025	6	16	12	110	153	153	20
Visayas	2025	6	16	13	110	153	153	20
Visayas	2025	6	16	14	117	153	153	20
Visayas	2025	6	16	15	117	153	153	20
Visayas	2025	6	16	16	112	153	153	20
Visayas	2025	6	16	17	105	153	153	20
Visayas	2025	6	16	18	100	153	153	20
Visayas	2025	6	16	19	107	153	153	20
Visayas	2025	6	16	20	104	153	153	20
Visayas	2025	6	16	21	98	153	153	20
Visayas	2025	6	16	22	93	153	153	20
Visayas	2025	6	16	23	87	153	153	20
Visayas	2025	6	16	24	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	17	1	77	153	153	20
Visayas	2025	6	17	2	72	153	153	20
Visayas	2025	6	17	3	70	153	153	20
Visayas	2025	6	17	4	67	153	153	20
Visayas	2025	6	17	5	67	153	153	20
Visayas	2025	6	17	6	70	153	153	20
Visayas	2025	6	17	7	70	153	153	20
Visayas	2025	6	17	8	84	153	153	20
Visayas	2025	6	17	9	100	153	153	20
Visayas	2025	6	17	10	107	153	153	20
Visayas	2025	6	17	11	112	153	153	20
Visayas	2025	6	17	12	110	153	153	20
Visayas	2025	6	17	13	108	153	153	20
Visayas	2025	6	17	14	113	153	153	20
Visayas	2025	6	17	15	112	153	153	20
Visayas	2025	6	17	16	108	153	153	20
Visayas	2025	6	17	17	102	153	153	20
Visayas	2025	6	17	18	99	153	153	20
Visayas	2025	6	17	19	103	153	153	20
Visayas	2025	6	17	20	101	153	153	20
Visayas	2025	6	17	21	97	153	153	20
Visayas	2025	6	17	22	91	153	153	20
Visayas	2025	6	17	23	84	153	153	20
Visayas	2025	6	17	24	78	153	153	20
Visayas	2025	6	18	1	74	153	153	20
Visayas	2025	6	18	2	71	153	153	20
Visayas	2025	6	18	3	70	153	153	20
Visayas	2025	6	18	4	66	153	153	20
Visayas	2025	6	18	5	67	153	153	20
Visayas	2025	6	18	6	69	153	153	20
Visayas	2025	6	18	7	72	153	153	20
Visayas	2025	6	18	8	85	153	153	20
Visayas	2025	6	18	9	101	153	153	20
Visayas	2025	6	18	10	111	153	153	20
Visayas	2025	6	18	11	112	153	153	20
Visayas	2025	6	18	12	111	153	153	20
Visayas	2025	6	18	13	113	153	153	20
Visayas	2025	6	18	14	118	153	153	20
Visayas	2025	6	18	15	117	153	153	20
Visayas	2025	6	18	16	113	153	153	20
Visayas	2025	6	18	17	105	153	153	20
Visayas	2025	6	18	18	101	153	153	20
Visayas	2025	6	18	19	107	153	153	20
Visayas	2025	6	18	20	104	153	153	20
Visayas	2025	6	18	21	100	153	153	20
Visayas	2025	6	18	22	94	153	153	20
Visayas	2025	6	18	23	89	153	153	20
Visayas	2025	6	18	24	84	153	153	20
Visayas	2025	6	19	1	79	153	153	20
Visayas	2025	6	19	2	76	153	153	20
Visayas	2025	6	19	3	72	153	153	20
Visayas	2025	6	19	4	70	153	153	20
Visayas	2025	6	19	5	71	153	153	20
Visayas	2025	6	19	6	71	153	153	20
Visayas	2025	6	19	7	72	153	153	20
Visayas	2025	6	19	8	86	153	153	20
Visayas	2025	6	19	9	103	153	153	20
Visayas	2025	6	19	10	112	153	153	20
Visayas	2025	6	19	11	116	153	153	20
Visayas	2025	6	19	12	114	153	153	20
Visayas	2025	6	19	13	114	153	153	20
Visayas	2025	6	19	14	120	153	153	20
Visayas	2025	6	19	15	118	153	153	20
Visayas	2025	6	19	16	115	153	153	20
Visayas	2025	6	19	17	105	153	153	20
Visayas	2025	6	19	18	102	153	153	20
Visayas	2025	6	19	19	108	153	153	20
Visayas	2025	6	19	20	105	153	153	20
Visayas	2025	6	19	21	102	153	153	20
Visayas	2025	6	19	22	96	153	153	20
Visayas	2025	6	19	23	90	153	153	20
Visayas	2025	6	19	24	86	153	153	20
Visayas	2025	6	20	1	80	153	153	20
Visayas	2025	6	20	2	77	153	153	20
Visayas	2025	6	20	3	74	153	153	20
Visayas	2025	6	20	4	72	153	153	20
Visayas	2025	6	20	5	73	153	153	20
Visayas	2025	6	20	6	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	20	7	76	153	153	20
Visayas	2025	6	20	8	88	153	153	20
Visayas	2025	6	20	9	104	153	153	20
Visayas	2025	6	20	10	112	153	153	20
Visayas	2025	6	20	11	117	153	153	20
Visayas	2025	6	20	12	114	153	153	20
Visayas	2025	6	20	13	114	153	153	20
Visayas	2025	6	20	14	118	153	153	20
Visayas	2025	6	20	15	117	153	153	20
Visayas	2025	6	20	16	113	153	153	20
Visayas	2025	6	20	17	105	153	153	20
Visayas	2025	6	20	18	101	153	153	20
Visayas	2025	6	20	19	107	153	153	20
Visayas	2025	6	20	20	104	153	153	20
Visayas	2025	6	20	21	103	153	153	20
Visayas	2025	6	20	22	97	153	153	20
Visayas	2025	6	20	23	89	153	153	20
Visayas	2025	6	20	24	83	153	153	20
Visayas	2025	6	21	1	79	153	153	20
Visayas	2025	6	21	2	77	153	153	20
Visayas	2025	6	21	3	72	153	153	20
Visayas	2025	6	21	4	71	153	153	20
Visayas	2025	6	21	5	71	153	153	20
Visayas	2025	6	21	6	68	153	153	20
Visayas	2025	6	21	7	70	153	153	20
Visayas	2025	6	21	8	79	153	153	20
Visayas	2025	6	21	9	89	153	153	20
Visayas	2025	6	21	10	96	153	153	20
Visayas	2025	6	21	11	99	153	153	20
Visayas	2025	6	21	12	99	153	153	20
Visayas	2025	6	21	13	101	153	153	20
Visayas	2025	6	21	14	104	153	153	20
Visayas	2025	6	21	15	105	153	153	20
Visayas	2025	6	21	16	100	153	153	20
Visayas	2025	6	21	17	91	153	153	20
Visayas	2025	6	21	18	97	153	153	20
Visayas	2025	6	21	19	106	153	153	20
Visayas	2025	6	21	20	103	153	153	20
Visayas	2025	6	21	21	100	153	153	20
Visayas	2025	6	21	22	96	153	153	20
Visayas	2025	6	21	23	91	153	153	20
Visayas	2025	6	21	24	83	153	153	20
Visayas	2025	6	22	1	78	153	153	20
Visayas	2025	6	22	2	76	153	153	20
Visayas	2025	6	22	3	73	153	153	20
Visayas	2025	6	22	4	70	153	153	20
Visayas	2025	6	22	5	69	153	153	20
Visayas	2025	6	22	6	67	153	153	20
Visayas	2025	6	22	7	62	153	153	20
Visayas	2025	6	22	8	70	153	153	20
Visayas	2025	6	22	9	74	153	153	20
Visayas	2025	6	22	10	80	153	153	20
Visayas	2025	6	22	11	83	153	153	20
Visayas	2025	6	22	12	85	153	153	20
Visayas	2025	6	22	13	84	153	153	20
Visayas	2025	6	22	14	86	153	153	20
Visayas	2025	6	22	15	84	153	153	20
Visayas	2025	6	22	16	84	153	153	20
Visayas	2025	6	22	17	81	153	153	20
Visayas	2025	6	22	18	86	153	153	20
Visayas	2025	6	22	19	100	153	153	20
Visayas	2025	6	22	20	97	153	153	20
Visayas	2025	6	22	21	95	153	153	20
Visayas	2025	6	22	22	91	153	153	20
Visayas	2025	6	22	23	86	153	153	20
Visayas	2025	6	22	24	80	153	153	20
Visayas	2025	6	23	1	76	153	153	20
Visayas	2025	6	23	2	72	153	153	20
Visayas	2025	6	23	3	70	153	153	20
Visayas	2025	6	23	4	67	153	153	20
Visayas	2025	6	23	5	68	153	153	20
Visayas	2025	6	23	6	70	153	153	20
Visayas	2025	6	23	7	72	153	153	20
Visayas	2025	6	23	8	84	153	153	20
Visayas	2025	6	23	9	101	153	153	20
Visayas	2025	6	23	10	110	153	153	20
Visayas	2025	6	23	11	115	153	153	20
Visayas	2025	6	23	12	113	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	23	13	112	153	153	20
Visayas	2025	6	23	14	118	153	153	20
Visayas	2025	6	23	15	119	153	153	20
Visayas	2025	6	23	16	114	153	153	20
Visayas	2025	6	23	17	107	153	153	20
Visayas	2025	6	23	18	101	153	153	20
Visayas	2025	6	23	19	109	153	153	20
Visayas	2025	6	23	20	106	153	153	20
Visayas	2025	6	23	21	103	153	153	20
Visayas	2025	6	23	22	96	153	153	20
Visayas	2025	6	23	23	89	153	153	20
Visayas	2025	6	23	24	83	153	153	20
Visayas	2025	6	24	1	79	153	153	20
Visayas	2025	6	24	2	75	153	153	20
Visayas	2025	6	24	3	72	153	153	20
Visayas	2025	6	24	4	70	153	153	20
Visayas	2025	6	24	5	71	153	153	20
Visayas	2025	6	24	6	72	153	153	20
Visayas	2025	6	24	7	73	153	153	20
Visayas	2025	6	24	8	83	153	153	20
Visayas	2025	6	24	9	96	153	153	20
Visayas	2025	6	24	10	103	153	153	20
Visayas	2025	6	24	11	105	153	153	20
Visayas	2025	6	24	12	101	153	153	20
Visayas	2025	6	24	13	100	153	153	20
Visayas	2025	6	24	14	107	153	153	20
Visayas	2025	6	24	15	104	153	153	20
Visayas	2025	6	24	16	102	153	153	20
Visayas	2025	6	24	17	96	153	153	20
Visayas	2025	6	24	18	96	153	153	20
Visayas	2025	6	24	19	100	153	153	20
Visayas	2025	6	24	20	95	153	153	20
Visayas	2025	6	24	21	93	153	153	20
Visayas	2025	6	24	22	86	153	153	20
Visayas	2025	6	24	23	81	153	153	20
Visayas	2025	6	24	24	76	153	153	20
Visayas	2025	6	25	1	71	153	153	20
Visayas	2025	6	25	2	69	153	153	20
Visayas	2025	6	25	3	66	153	153	20
Visayas	2025	6	25	4	65	153	153	20
Visayas	2025	6	25	5	66	153	153	20
Visayas	2025	6	25	6	68	153	153	20
Visayas	2025	6	25	7	69	153	153	20
Visayas	2025	6	25	8	81	153	153	20
Visayas	2025	6	25	9	94	153	153	20
Visayas	2025	6	25	10	101	153	153	20
Visayas	2025	6	25	11	97	153	153	20
Visayas	2025	6	25	12	94	153	153	20
Visayas	2025	6	25	13	93	153	153	20
Visayas	2025	6	25	14	98	153	153	20
Visayas	2025	6	25	15	98	153	153	20
Visayas	2025	6	25	16	96	153	153	20
Visayas	2025	6	25	17	93	153	153	20
Visayas	2025	6	25	18	92	153	153	20
Visayas	2025	6	25	19	96	153	153	20
Visayas	2025	6	25	20	90	153	153	20
Visayas	2025	6	25	21	87	153	153	20
Visayas	2025	6	25	22	81	153	153	20
Visayas	2025	6	25	23	75	153	153	20
Visayas	2025	6	25	24	70	153	153	20
Visayas	2025	6	26	1	67	153	153	20
Visayas	2025	6	26	2	64	153	153	20
Visayas	2025	6	26	3	63	153	153	20
Visayas	2025	6	26	4	61	153	153	20
Visayas	2025	6	26	5	62	153	153	20
Visayas	2025	6	26	6	65	153	153	20
Visayas	2025	6	26	7	69	153	153	20
Visayas	2025	6	26	8	80	153	153	20
Visayas	2025	6	26	9	95	153	153	20
Visayas	2025	6	26	10	103	153	153	20
Visayas	2025	6	26	11	109	153	153	20
Visayas	2025	6	26	12	105	153	153	20
Visayas	2025	6	26	13	106	153	153	20
Visayas	2025	6	26	14	114	153	153	20
Visayas	2025	6	26	15	112	153	153	20
Visayas	2025	6	26	16	111	153	153	20
Visayas	2025	6	26	17	101	153	153	20
Visayas	2025	6	26	18	99	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	26	19	105	153	153	20
Visayas	2025	6	26	20	102	153	153	20
Visayas	2025	6	26	21	98	153	153	20
Visayas	2025	6	26	22	91	153	153	20
Visayas	2025	6	26	23	85	153	153	20
Visayas	2025	6	26	24	80	153	153	20
Visayas	2025	6	27	1	76	153	153	20
Visayas	2025	6	27	2	72	153	153	20
Visayas	2025	6	27	3	70	153	153	20
Visayas	2025	6	27	4	68	153	153	20
Visayas	2025	6	27	5	69	153	153	20
Visayas	2025	6	27	6	71	153	153	20
Visayas	2025	6	27	7	72	153	153	20
Visayas	2025	6	27	8	85	153	153	20
Visayas	2025	6	27	9	101	153	153	20
Visayas	2025	6	27	10	106	153	153	20
Visayas	2025	6	27	11	112	153	153	20
Visayas	2025	6	27	12	109	153	153	20
Visayas	2025	6	27	13	110	153	153	20
Visayas	2025	6	27	14	116	153	153	20
Visayas	2025	6	27	15	116	153	153	20
Visayas	2025	6	27	16	113	153	153	20
Visayas	2025	6	27	17	103	153	153	20
Visayas	2025	6	27	18	99	153	153	20
Visayas	2025	6	27	19	106	153	153	20
Visayas	2025	6	27	20	104	153	153	20
Visayas	2025	6	27	21	100	153	153	20
Visayas	2025	6	27	22	94	153	153	20
Visayas	2025	6	27	23	89	153	153	20
Visayas	2025	6	27	24	83	153	153	20
Visayas	2025	6	28	1	79	153	153	20
Visayas	2025	6	28	2	76	153	153	20
Visayas	2025	6	28	3	74	153	153	20
Visayas	2025	6	28	4	71	153	153	20
Visayas	2025	6	28	5	70	153	153	20
Visayas	2025	6	28	6	69	153	153	20
Visayas	2025	6	28	7	70	153	153	20
Visayas	2025	6	28	8	79	153	153	20
Visayas	2025	6	28	9	88	153	153	20
Visayas	2025	6	28	10	95	153	153	20
Visayas	2025	6	28	11	99	153	153	20
Visayas	2025	6	28	12	99	153	153	20
Visayas	2025	6	28	13	100	153	153	20
Visayas	2025	6	28	14	103	153	153	20
Visayas	2025	6	28	15	100	153	153	20
Visayas	2025	6	28	16	95	153	153	20
Visayas	2025	6	28	17	92	153	153	20
Visayas	2025	6	28	18	94	153	153	20
Visayas	2025	6	28	19	102	153	153	20
Visayas	2025	6	28	20	98	153	153	20
Visayas	2025	6	28	21	94	153	153	20
Visayas	2025	6	28	22	89	153	153	20
Visayas	2025	6	28	23	84	153	153	20
Visayas	2025	6	28	24	79	153	153	20
Visayas	2025	6	29	1	75	153	153	20
Visayas	2025	6	29	2	70	153	153	20
Visayas	2025	6	29	3	69	153	153	20
Visayas	2025	6	29	4	67	153	153	20
Visayas	2025	6	29	5	66	153	153	20
Visayas	2025	6	29	6	64	153	153	20
Visayas	2025	6	29	7	65	153	153	20
Visayas	2025	6	29	8	69	153	153	20
Visayas	2025	6	29	9	74	153	153	20
Visayas	2025	6	29	10	80	153	153	20
Visayas	2025	6	29	11	85	153	153	20
Visayas	2025	6	29	12	86	153	153	20
Visayas	2025	6	29	13	86	153	153	20
Visayas	2025	6	29	14	86	153	153	20
Visayas	2025	6	29	15	84	153	153	20
Visayas	2025	6	29	16	81	153	153	20
Visayas	2025	6	29	17	83	153	153	20
Visayas	2025	6	29	18	88	153	153	20
Visayas	2025	6	29	19	93	153	153	20
Visayas	2025	6	29	20	90	153	153	20
Visayas	2025	6	29	21	88	153	153	20
Visayas	2025	6	29	22	84	153	153	20
Visayas	2025	6	29	23	78	153	153	20
Visayas	2025	6	29	24	74	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	6	30	1	68	153	153	20
Visayas	2025	6	30	2	65	153	153	20
Visayas	2025	6	30	3	64	153	153	20
Visayas	2025	6	30	4	63	153	153	20
Visayas	2025	6	30	5	63	153	153	20
Visayas	2025	6	30	6	66	153	153	20
Visayas	2025	6	30	7	68	153	153	20
Visayas	2025	6	30	8	82	153	153	20
Visayas	2025	6	30	9	95	153	153	20
Visayas	2025	6	30	10	105	153	153	20
Visayas	2025	6	30	11	109	153	153	20
Visayas	2025	6	30	12	107	153	153	20
Visayas	2025	6	30	13	106	153	153	20
Visayas	2025	6	30	14	112	153	153	20
Visayas	2025	6	30	15	107	153	153	20
Visayas	2025	6	30	16	107	153	153	20
Visayas	2025	6	30	17	102	153	153	20
Visayas	2025	6	30	18	99	153	153	20
Visayas	2025	6	30	19	102	153	153	20
Visayas	2025	6	30	20	98	153	153	20
Visayas	2025	6	30	21	93	153	153	20
Visayas	2025	6	30	22	88	153	153	20
Visayas	2025	6	30	23	81	153	153	20
Visayas	2025	6	30	24	83	153	153	20
Visayas	2025	7	1	1	79	153	153	20
Visayas	2025	7	1	2	76	153	153	20
Visayas	2025	7	1	3	73	153	153	20
Visayas	2025	7	1	4	70	153	153	20
Visayas	2025	7	1	5	70	153	153	20
Visayas	2025	7	1	6	72	153	153	20
Visayas	2025	7	1	7	72	153	153	20
Visayas	2025	7	1	8	83	153	153	20
Visayas	2025	7	1	9	98	153	153	20
Visayas	2025	7	1	10	106	153	153	20
Visayas	2025	7	1	11	111	153	153	20
Visayas	2025	7	1	12	107	153	153	20
Visayas	2025	7	1	13	110	153	153	20
Visayas	2025	7	1	14	115	153	153	20
Visayas	2025	7	1	15	113	153	153	20
Visayas	2025	7	1	16	111	153	153	20
Visayas	2025	7	1	17	101	153	153	20
Visayas	2025	7	1	18	98	153	153	20
Visayas	2025	7	1	19	106	153	153	20
Visayas	2025	7	1	20	103	153	153	20
Visayas	2025	7	1	21	101	153	153	20
Visayas	2025	7	1	22	96	153	153	20
Visayas	2025	7	1	23	89	153	153	20
Visayas	2025	7	1	24	84	153	153	20
Visayas	2025	7	2	1	80	153	153	20
Visayas	2025	7	2	2	76	153	153	20
Visayas	2025	7	2	3	74	153	153	20
Visayas	2025	7	2	4	72	153	153	20
Visayas	2025	7	2	5	72	153	153	20
Visayas	2025	7	2	6	72	153	153	20
Visayas	2025	7	2	7	73	153	153	20
Visayas	2025	7	2	8	84	153	153	20
Visayas	2025	7	2	9	99	153	153	20
Visayas	2025	7	2	10	107	153	153	20
Visayas	2025	7	2	11	113	153	153	20
Visayas	2025	7	2	12	110	153	153	20
Visayas	2025	7	2	13	111	153	153	20
Visayas	2025	7	2	14	114	153	153	20
Visayas	2025	7	2	15	114	153	153	20
Visayas	2025	7	2	16	110	153	153	20
Visayas	2025	7	2	17	101	153	153	20
Visayas	2025	7	2	18	98	153	153	20
Visayas	2025	7	2	19	104	153	153	20
Visayas	2025	7	2	20	103	153	153	20
Visayas	2025	7	2	21	101	153	153	20
Visayas	2025	7	2	22	95	153	153	20
Visayas	2025	7	2	23	89	153	153	20
Visayas	2025	7	2	24	83	153	153	20
Visayas	2025	7	3	1	80	153	153	20
Visayas	2025	7	3	2	76	153	153	20
Visayas	2025	7	3	3	73	153	153	20
Visayas	2025	7	3	4	71	153	153	20
Visayas	2025	7	3	5	71	153	153	20
Visayas	2025	7	3	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	3	7	72	153	153	20
Visayas	2025	7	3	8	84	153	153	20
Visayas	2025	7	3	9	99	153	153	20
Visayas	2025	7	3	10	108	153	153	20
Visayas	2025	7	3	11	113	153	153	20
Visayas	2025	7	3	12	108	153	153	20
Visayas	2025	7	3	13	108	153	153	20
Visayas	2025	7	3	14	111	153	153	20
Visayas	2025	7	3	15	109	153	153	20
Visayas	2025	7	3	16	105	153	153	20
Visayas	2025	7	3	17	98	153	153	20
Visayas	2025	7	3	18	97	153	153	20
Visayas	2025	7	3	19	104	153	153	20
Visayas	2025	7	3	20	101	153	153	20
Visayas	2025	7	3	21	99	153	153	20
Visayas	2025	7	3	22	92	153	153	20
Visayas	2025	7	3	23	86	153	153	20
Visayas	2025	7	3	24	81	153	153	20
Visayas	2025	7	4	1	76	153	153	20
Visayas	2025	7	4	2	71	153	153	20
Visayas	2025	7	4	3	68	153	153	20
Visayas	2025	7	4	4	68	153	153	20
Visayas	2025	7	4	5	67	153	153	20
Visayas	2025	7	4	6	70	153	153	20
Visayas	2025	7	4	7	71	153	153	20
Visayas	2025	7	4	8	83	153	153	20
Visayas	2025	7	4	9	96	153	153	20
Visayas	2025	7	4	10	105	153	153	20
Visayas	2025	7	4	11	109	153	153	20
Visayas	2025	7	4	12	106	153	153	20
Visayas	2025	7	4	13	110	153	153	20
Visayas	2025	7	4	14	114	153	153	20
Visayas	2025	7	4	15	114	153	153	20
Visayas	2025	7	4	16	109	153	153	20
Visayas	2025	7	4	17	101	153	153	20
Visayas	2025	7	4	18	100	153	153	20
Visayas	2025	7	4	19	105	153	153	20
Visayas	2025	7	4	20	101	153	153	20
Visayas	2025	7	4	21	97	153	153	20
Visayas	2025	7	4	22	91	153	153	20
Visayas	2025	7	4	23	84	153	153	20
Visayas	2025	7	4	24	81	153	153	20
Visayas	2025	7	5	1	75	153	153	20
Visayas	2025	7	5	2	72	153	153	20
Visayas	2025	7	5	3	69	153	153	20
Visayas	2025	7	5	4	67	153	153	20
Visayas	2025	7	5	5	67	153	153	20
Visayas	2025	7	5	6	67	153	153	20
Visayas	2025	7	5	7	67	153	153	20
Visayas	2025	7	5	8	75	153	153	20
Visayas	2025	7	5	9	84	153	153	20
Visayas	2025	7	5	10	91	153	153	20
Visayas	2025	7	5	11	95	153	153	20
Visayas	2025	7	5	12	94	153	153	20
Visayas	2025	7	5	13	97	153	153	20
Visayas	2025	7	5	14	96	153	153	20
Visayas	2025	7	5	15	94	153	153	20
Visayas	2025	7	5	16	91	153	153	20
Visayas	2025	7	5	17	87	153	153	20
Visayas	2025	7	5	18	91	153	153	20
Visayas	2025	7	5	19	101	153	153	20
Visayas	2025	7	5	20	99	153	153	20
Visayas	2025	7	5	21	97	153	153	20
Visayas	2025	7	5	22	92	153	153	20
Visayas	2025	7	5	23	85	153	153	20
Visayas	2025	7	5	24	82	153	153	20
Visayas	2025	7	6	1	77	153	153	20
Visayas	2025	7	6	2	73	153	153	20
Visayas	2025	7	6	3	70	153	153	20
Visayas	2025	7	6	4	67	153	153	20
Visayas	2025	7	6	5	67	153	153	20
Visayas	2025	7	6	6	65	153	153	20
Visayas	2025	7	6	7	63	153	153	20
Visayas	2025	7	6	8	68	153	153	20
Visayas	2025	7	6	9	74	153	153	20
Visayas	2025	7	6	10	79	153	153	20
Visayas	2025	7	6	11	84	153	153	20
Visayas	2025	7	6	12	84	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	6	13	85	153	153	20
Visayas	2025	7	6	14	86	153	153	20
Visayas	2025	7	6	15	86	153	153	20
Visayas	2025	7	6	16	83	153	153	20
Visayas	2025	7	6	17	81	153	153	20
Visayas	2025	7	6	18	90	153	153	20
Visayas	2025	7	6	19	96	153	153	20
Visayas	2025	7	6	20	94	153	153	20
Visayas	2025	7	6	21	92	153	153	20
Visayas	2025	7	6	22	87	153	153	20
Visayas	2025	7	6	23	82	153	153	20
Visayas	2025	7	6	24	77	153	153	20
Visayas	2025	7	7	1	73	153	153	20
Visayas	2025	7	7	2	71	153	153	20
Visayas	2025	7	7	3	67	153	153	20
Visayas	2025	7	7	4	66	153	153	20
Visayas	2025	7	7	5	65	153	153	20
Visayas	2025	7	7	6	67	153	153	20
Visayas	2025	7	7	7	72	153	153	20
Visayas	2025	7	7	8	84	153	153	20
Visayas	2025	7	7	9	98	153	153	20
Visayas	2025	7	7	10	108	153	153	20
Visayas	2025	7	7	11	111	153	153	20
Visayas	2025	7	7	12	107	153	153	20
Visayas	2025	7	7	13	103	153	153	20
Visayas	2025	7	7	14	109	153	153	20
Visayas	2025	7	7	15	108	153	153	20
Visayas	2025	7	7	16	105	153	153	20
Visayas	2025	7	7	17	98	153	153	20
Visayas	2025	7	7	18	94	153	153	20
Visayas	2025	7	7	19	103	153	153	20
Visayas	2025	7	7	20	98	153	153	20
Visayas	2025	7	7	21	95	153	153	20
Visayas	2025	7	7	22	90	153	153	20
Visayas	2025	7	7	23	84	153	153	20
Visayas	2025	7	7	24	80	153	153	20
Visayas	2025	7	8	1	75	153	153	20
Visayas	2025	7	8	2	71	153	153	20
Visayas	2025	7	8	3	68	153	153	20
Visayas	2025	7	8	4	66	153	153	20
Visayas	2025	7	8	5	69	153	153	20
Visayas	2025	7	8	6	71	153	153	20
Visayas	2025	7	8	7	72	153	153	20
Visayas	2025	7	8	8	84	153	153	20
Visayas	2025	7	8	9	97	153	153	20
Visayas	2025	7	8	10	105	153	153	20
Visayas	2025	7	8	11	110	153	153	20
Visayas	2025	7	8	12	104	153	153	20
Visayas	2025	7	8	13	101	153	153	20
Visayas	2025	7	8	14	107	153	153	20
Visayas	2025	7	8	15	107	153	153	20
Visayas	2025	7	8	16	106	153	153	20
Visayas	2025	7	8	17	101	153	153	20
Visayas	2025	7	8	18	98	153	153	20
Visayas	2025	7	8	19	100	153	153	20
Visayas	2025	7	8	20	94	153	153	20
Visayas	2025	7	8	21	90	153	153	20
Visayas	2025	7	8	22	84	153	153	20
Visayas	2025	7	8	23	78	153	153	20
Visayas	2025	7	8	24	73	153	153	20
Visayas	2025	7	9	1	70	153	153	20
Visayas	2025	7	9	2	68	153	153	20
Visayas	2025	7	9	3	65	153	153	20
Visayas	2025	7	9	4	63	153	153	20
Visayas	2025	7	9	5	65	153	153	20
Visayas	2025	7	9	6	67	153	153	20
Visayas	2025	7	9	7	53	153	153	20
Visayas	2025	7	9	8	65	153	153	20
Visayas	2025	7	9	9	77	153	153	20
Visayas	2025	7	9	10	92	153	153	20
Visayas	2025	7	9	11	96	153	153	20
Visayas	2025	7	9	12	96	153	153	20
Visayas	2025	7	9	13	82	153	153	20
Visayas	2025	7	9	14	90	153	153	20
Visayas	2025	7	9	15	93	153	153	20
Visayas	2025	7	9	16	92	153	153	20
Visayas	2025	7	9	17	88	153	153	20
Visayas	2025	7	9	18	86	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	9	19	90	153	153	20
Visayas	2025	7	9	20	89	153	153	20
Visayas	2025	7	9	21	87	153	153	20
Visayas	2025	7	9	22	82	153	153	20
Visayas	2025	7	9	23	76	153	153	20
Visayas	2025	7	9	24	71	153	153	20
Visayas	2025	7	10	1	68	153	153	20
Visayas	2025	7	10	2	65	153	153	20
Visayas	2025	7	10	3	63	153	153	20
Visayas	2025	7	10	4	62	153	153	20
Visayas	2025	7	10	5	63	153	153	20
Visayas	2025	7	10	6	66	153	153	20
Visayas	2025	7	10	7	68	153	153	20
Visayas	2025	7	10	8	80	153	153	20
Visayas	2025	7	10	9	97	153	153	20
Visayas	2025	7	10	10	104	153	153	20
Visayas	2025	7	10	11	107	153	153	20
Visayas	2025	7	10	12	103	153	153	20
Visayas	2025	7	10	13	103	153	153	20
Visayas	2025	7	10	14	108	153	153	20
Visayas	2025	7	10	15	107	153	153	20
Visayas	2025	7	10	16	103	153	153	20
Visayas	2025	7	10	17	97	153	153	20
Visayas	2025	7	10	18	94	153	153	20
Visayas	2025	7	10	19	100	153	153	20
Visayas	2025	7	10	20	96	153	153	20
Visayas	2025	7	10	21	91	153	153	20
Visayas	2025	7	10	22	84	153	153	20
Visayas	2025	7	10	23	80	153	153	20
Visayas	2025	7	10	24	74	153	153	20
Visayas	2025	7	11	1	71	153	153	20
Visayas	2025	7	11	2	69	153	153	20
Visayas	2025	7	11	3	65	153	153	20
Visayas	2025	7	11	4	63	153	153	20
Visayas	2025	7	11	5	64	153	153	20
Visayas	2025	7	11	6	66	153	153	20
Visayas	2025	7	11	7	68	153	153	20
Visayas	2025	7	11	8	80	153	153	20
Visayas	2025	7	11	9	94	153	153	20
Visayas	2025	7	11	10	100	153	153	20
Visayas	2025	7	11	11	102	153	153	20
Visayas	2025	7	11	12	99	153	153	20
Visayas	2025	7	11	13	98	153	153	20
Visayas	2025	7	11	14	102	153	153	20
Visayas	2025	7	11	15	99	153	153	20
Visayas	2025	7	11	16	97	153	153	20
Visayas	2025	7	11	17	91	153	153	20
Visayas	2025	7	11	18	93	153	153	20
Visayas	2025	7	11	19	96	153	153	20
Visayas	2025	7	11	20	94	153	153	20
Visayas	2025	7	11	21	88	153	153	20
Visayas	2025	7	11	22	81	153	153	20
Visayas	2025	7	11	23	75	153	153	20
Visayas	2025	7	11	24	72	153	153	20
Visayas	2025	7	12	1	68	153	153	20
Visayas	2025	7	12	2	65	153	153	20
Visayas	2025	7	12	3	63	153	153	20
Visayas	2025	7	12	4	62	153	153	20
Visayas	2025	7	12	5	63	153	153	20
Visayas	2025	7	12	6	63	153	153	20
Visayas	2025	7	12	7	61	153	153	20
Visayas	2025	7	12	8	67	153	153	20
Visayas	2025	7	12	9	76	153	153	20
Visayas	2025	7	12	10	83	153	153	20
Visayas	2025	7	12	11	86	153	153	20
Visayas	2025	7	12	12	85	153	153	20
Visayas	2025	7	12	13	86	153	153	20
Visayas	2025	7	12	14	88	153	153	20
Visayas	2025	7	12	15	85	153	153	20
Visayas	2025	7	12	16	84	153	153	20
Visayas	2025	7	12	17	82	153	153	20
Visayas	2025	7	12	18	86	153	153	20
Visayas	2025	7	12	19	92	153	153	20
Visayas	2025	7	12	20	89	153	153	20
Visayas	2025	7	12	21	85	153	153	20
Visayas	2025	7	12	22	81	153	153	20
Visayas	2025	7	12	23	76	153	153	20
Visayas	2025	7	12	24	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	13	1	67	153	153	20
Visayas	2025	7	13	2	65	153	153	20
Visayas	2025	7	13	3	62	153	153	20
Visayas	2025	7	13	4	62	153	153	20
Visayas	2025	7	13	5	61	153	153	20
Visayas	2025	7	13	6	61	153	153	20
Visayas	2025	7	13	7	60	153	153	20
Visayas	2025	7	13	8	63	153	153	20
Visayas	2025	7	13	9	69	153	153	20
Visayas	2025	7	13	10	75	153	153	20
Visayas	2025	7	13	11	77	153	153	20
Visayas	2025	7	13	12	80	153	153	20
Visayas	2025	7	13	13	80	153	153	20
Visayas	2025	7	13	14	80	153	153	20
Visayas	2025	7	13	15	77	153	153	20
Visayas	2025	7	13	16	76	153	153	20
Visayas	2025	7	13	17	77	153	153	20
Visayas	2025	7	13	18	80	153	153	20
Visayas	2025	7	13	19	90	153	153	20
Visayas	2025	7	13	20	87	153	153	20
Visayas	2025	7	13	21	85	153	153	20
Visayas	2025	7	13	22	79	153	153	20
Visayas	2025	7	13	23	73	153	153	20
Visayas	2025	7	13	24	69	153	153	20
Visayas	2025	7	14	1	65	153	153	20
Visayas	2025	7	14	2	62	153	153	20
Visayas	2025	7	14	3	60	153	153	20
Visayas	2025	7	14	4	59	153	153	20
Visayas	2025	7	14	5	60	153	153	20
Visayas	2025	7	14	6	63	153	153	20
Visayas	2025	7	14	7	65	153	153	20
Visayas	2025	7	14	8	76	153	153	20
Visayas	2025	7	14	9	91	153	153	20
Visayas	2025	7	14	10	99	153	153	20
Visayas	2025	7	14	11	105	153	153	20
Visayas	2025	7	14	12	101	153	153	20
Visayas	2025	7	14	13	102	153	153	20
Visayas	2025	7	14	14	108	153	153	20
Visayas	2025	7	14	15	107	153	153	20
Visayas	2025	7	14	16	104	153	153	20
Visayas	2025	7	14	17	97	153	153	20
Visayas	2025	7	14	18	95	153	153	20
Visayas	2025	7	14	19	100	153	153	20
Visayas	2025	7	14	20	95	153	153	20
Visayas	2025	7	14	21	91	153	153	20
Visayas	2025	7	14	22	84	153	153	20
Visayas	2025	7	14	23	79	153	153	20
Visayas	2025	7	14	24	75	153	153	20
Visayas	2025	7	15	1	70	153	153	20
Visayas	2025	7	15	2	67	153	153	20
Visayas	2025	7	15	3	65	153	153	20
Visayas	2025	7	15	4	63	153	153	20
Visayas	2025	7	15	5	63	153	153	20
Visayas	2025	7	15	6	66	153	153	20
Visayas	2025	7	15	7	67	153	153	20
Visayas	2025	7	15	8	79	153	153	20
Visayas	2025	7	15	9	93	153	153	20
Visayas	2025	7	15	10	101	153	153	20
Visayas	2025	7	15	11	106	153	153	20
Visayas	2025	7	15	12	102	153	153	20
Visayas	2025	7	15	13	103	153	153	20
Visayas	2025	7	15	14	108	153	153	20
Visayas	2025	7	15	15	107	153	153	20
Visayas	2025	7	15	16	105	153	153	20
Visayas	2025	7	15	17	98	153	153	20
Visayas	2025	7	15	18	96	153	153	20
Visayas	2025	7	15	19	102	153	153	20
Visayas	2025	7	15	20	98	153	153	20
Visayas	2025	7	15	21	95	153	153	20
Visayas	2025	7	15	22	88	153	153	20
Visayas	2025	7	15	23	79	153	153	20
Visayas	2025	7	15	24	75	153	153	20
Visayas	2025	7	16	1	73	153	153	20
Visayas	2025	7	16	2	69	153	153	20
Visayas	2025	7	16	3	66	153	153	20
Visayas	2025	7	16	4	64	153	153	20
Visayas	2025	7	16	5	65	153	153	20
Visayas	2025	7	16	6	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	16	7	69	153	153	20
Visayas	2025	7	16	8	82	153	153	20
Visayas	2025	7	16	9	97	153	153	20
Visayas	2025	7	16	10	105	153	153	20
Visayas	2025	7	16	11	110	153	153	20
Visayas	2025	7	16	12	107	153	153	20
Visayas	2025	7	16	13	107	153	153	20
Visayas	2025	7	16	14	112	153	153	20
Visayas	2025	7	16	15	110	153	153	20
Visayas	2025	7	16	16	106	153	153	20
Visayas	2025	7	16	17	99	153	153	20
Visayas	2025	7	16	18	95	153	153	20
Visayas	2025	7	16	19	100	153	153	20
Visayas	2025	7	16	20	96	153	153	20
Visayas	2025	7	16	21	92	153	153	20
Visayas	2025	7	16	22	86	153	153	20
Visayas	2025	7	16	23	79	153	153	20
Visayas	2025	7	16	24	74	153	153	20
Visayas	2025	7	17	1	63	153	153	20
Visayas	2025	7	17	2	64	153	153	20
Visayas	2025	7	17	3	64	153	153	20
Visayas	2025	7	17	4	62	153	153	20
Visayas	2025	7	17	5	63	153	153	20
Visayas	2025	7	17	6	64	153	153	20
Visayas	2025	7	17	7	66	153	153	20
Visayas	2025	7	17	8	79	153	153	20
Visayas	2025	7	17	9	93	153	153	20
Visayas	2025	7	17	10	105	153	153	20
Visayas	2025	7	17	11	109	153	153	20
Visayas	2025	7	17	12	107	153	153	20
Visayas	2025	7	17	13	107	153	153	20
Visayas	2025	7	17	14	115	153	153	20
Visayas	2025	7	17	15	116	153	153	20
Visayas	2025	7	17	16	111	153	153	20
Visayas	2025	7	17	17	103	153	153	20
Visayas	2025	7	17	18	98	153	153	20
Visayas	2025	7	17	19	105	153	153	20
Visayas	2025	7	17	20	101	153	153	20
Visayas	2025	7	17	21	97	153	153	20
Visayas	2025	7	17	22	91	153	153	20
Visayas	2025	7	17	23	85	153	153	20
Visayas	2025	7	17	24	78	153	153	20
Visayas	2025	7	18	1	75	153	153	20
Visayas	2025	7	18	2	72	153	153	20
Visayas	2025	7	18	3	68	153	153	20
Visayas	2025	7	18	4	66	153	153	20
Visayas	2025	7	18	5	67	153	153	20
Visayas	2025	7	18	6	68	153	153	20
Visayas	2025	7	18	7	71	153	153	20
Visayas	2025	7	18	8	84	153	153	20
Visayas	2025	7	18	9	98	153	153	20
Visayas	2025	7	18	10	108	153	153	20
Visayas	2025	7	18	11	111	153	153	20
Visayas	2025	7	18	12	107	153	153	20
Visayas	2025	7	18	13	108	153	153	20
Visayas	2025	7	18	14	113	153	153	20
Visayas	2025	7	18	15	110	153	153	20
Visayas	2025	7	18	16	109	153	153	20
Visayas	2025	7	18	17	99	153	153	20
Visayas	2025	7	18	18	97	153	153	20
Visayas	2025	7	18	19	104	153	153	20
Visayas	2025	7	18	20	101	153	153	20
Visayas	2025	7	18	21	98	153	153	20
Visayas	2025	7	18	22	91	153	153	20
Visayas	2025	7	18	23	86	153	153	20
Visayas	2025	7	18	24	80	153	153	20
Visayas	2025	7	19	1	76	153	153	20
Visayas	2025	7	19	2	73	153	153	20
Visayas	2025	7	19	3	70	153	153	20
Visayas	2025	7	19	4	67	153	153	20
Visayas	2025	7	19	5	66	153	153	20
Visayas	2025	7	19	6	67	153	153	20
Visayas	2025	7	19	7	68	153	153	20
Visayas	2025	7	19	8	77	153	153	20
Visayas	2025	7	19	9	86	153	153	20
Visayas	2025	7	19	10	92	153	153	20
Visayas	2025	7	19	11	95	153	153	20
Visayas	2025	7	19	12	96	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	19	13	95	153	153	20
Visayas	2025	7	19	14	99	153	153	20
Visayas	2025	7	19	15	98	153	153	20
Visayas	2025	7	19	16	94	153	153	20
Visayas	2025	7	19	17	91	153	153	20
Visayas	2025	7	19	18	91	153	153	20
Visayas	2025	7	19	19	97	153	153	20
Visayas	2025	7	19	20	90	153	153	20
Visayas	2025	7	19	21	90	153	153	20
Visayas	2025	7	19	22	86	153	153	20
Visayas	2025	7	19	23	83	153	153	20
Visayas	2025	7	19	24	76	153	153	20
Visayas	2025	7	20	1	72	153	153	20
Visayas	2025	7	20	2	69	153	153	20
Visayas	2025	7	20	3	66	153	153	20
Visayas	2025	7	20	4	64	153	153	20
Visayas	2025	7	20	5	65	153	153	20
Visayas	2025	7	20	6	62	153	153	20
Visayas	2025	7	20	7	62	153	153	20
Visayas	2025	7	20	8	65	153	153	20
Visayas	2025	7	20	9	69	153	153	20
Visayas	2025	7	20	10	76	153	153	20
Visayas	2025	7	20	11	78	153	153	20
Visayas	2025	7	20	12	79	153	153	20
Visayas	2025	7	20	13	80	153	153	20
Visayas	2025	7	20	14	83	153	153	20
Visayas	2025	7	20	15	81	153	153	20
Visayas	2025	7	20	16	78	153	153	20
Visayas	2025	7	20	17	79	153	153	20
Visayas	2025	7	20	18	84	153	153	20
Visayas	2025	7	20	19	93	153	153	20
Visayas	2025	7	20	20	89	153	153	20
Visayas	2025	7	20	21	85	153	153	20
Visayas	2025	7	20	22	81	153	153	20
Visayas	2025	7	20	23	77	153	153	20
Visayas	2025	7	20	24	71	153	153	20
Visayas	2025	7	21	1	67	153	153	20
Visayas	2025	7	21	2	64	153	153	20
Visayas	2025	7	21	3	62	153	153	20
Visayas	2025	7	21	4	60	153	153	20
Visayas	2025	7	21	5	60	153	153	20
Visayas	2025	7	21	6	64	153	153	20
Visayas	2025	7	21	7	67	153	153	20
Visayas	2025	7	21	8	75	153	153	20
Visayas	2025	7	21	9	88	153	153	20
Visayas	2025	7	21	10	98	153	153	20
Visayas	2025	7	21	11	100	153	153	20
Visayas	2025	7	21	12	98	153	153	20
Visayas	2025	7	21	13	98	153	153	20
Visayas	2025	7	21	14	106	153	153	20
Visayas	2025	7	21	15	104	153	153	20
Visayas	2025	7	21	16	101	153	153	20
Visayas	2025	7	21	17	96	153	153	20
Visayas	2025	7	21	18	93	153	153	20
Visayas	2025	7	21	19	99	153	153	20
Visayas	2025	7	21	20	93	153	153	20
Visayas	2025	7	21	21	89	153	153	20
Visayas	2025	7	21	22	82	153	153	20
Visayas	2025	7	21	23	79	153	153	20
Visayas	2025	7	21	24	73	153	153	20
Visayas	2025	7	22	1	70	153	153	20
Visayas	2025	7	22	2	66	153	153	20
Visayas	2025	7	22	3	63	153	153	20
Visayas	2025	7	22	4	63	153	153	20
Visayas	2025	7	22	5	64	153	153	20
Visayas	2025	7	22	6	67	153	153	20
Visayas	2025	7	22	7	69	153	153	20
Visayas	2025	7	22	8	77	153	153	20
Visayas	2025	7	22	9	93	153	153	20
Visayas	2025	7	22	10	102	153	153	20
Visayas	2025	7	22	11	106	153	153	20
Visayas	2025	7	22	12	103	153	153	20
Visayas	2025	7	22	13	104	153	153	20
Visayas	2025	7	22	14	110	153	153	20
Visayas	2025	7	22	15	110	153	153	20
Visayas	2025	7	22	16	107	153	153	20
Visayas	2025	7	22	17	99	153	153	20
Visayas	2025	7	22	18	97	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	22	19	104	153	153	20
Visayas	2025	7	22	20	99	153	153	20
Visayas	2025	7	22	21	96	153	153	20
Visayas	2025	7	22	22	89	153	153	20
Visayas	2025	7	22	23	83	153	153	20
Visayas	2025	7	22	24	78	153	153	20
Visayas	2025	7	23	1	74	153	153	20
Visayas	2025	7	23	2	71	153	153	20
Visayas	2025	7	23	3	68	153	153	20
Visayas	2025	7	23	4	67	153	153	20
Visayas	2025	7	23	5	67	153	153	20
Visayas	2025	7	23	6	69	153	153	20
Visayas	2025	7	23	7	72	153	153	20
Visayas	2025	7	23	8	84	153	153	20
Visayas	2025	7	23	9	98	153	153	20
Visayas	2025	7	23	10	106	153	153	20
Visayas	2025	7	23	11	106	153	153	20
Visayas	2025	7	23	12	107	153	153	20
Visayas	2025	7	23	13	108	153	153	20
Visayas	2025	7	23	14	112	153	153	20
Visayas	2025	7	23	15	111	153	153	20
Visayas	2025	7	23	16	108	153	153	20
Visayas	2025	7	23	17	104	153	153	20
Visayas	2025	7	23	18	100	153	153	20
Visayas	2025	7	23	19	108	153	153	20
Visayas	2025	7	23	20	104	153	153	20
Visayas	2025	7	23	21	100	153	153	20
Visayas	2025	7	23	22	94	153	153	20
Visayas	2025	7	23	23	87	153	153	20
Visayas	2025	7	23	24	81	153	153	20
Visayas	2025	7	24	1	77	153	153	20
Visayas	2025	7	24	2	75	153	153	20
Visayas	2025	7	24	3	71	153	153	20
Visayas	2025	7	24	4	69	153	153	20
Visayas	2025	7	24	5	70	153	153	20
Visayas	2025	7	24	6	71	153	153	20
Visayas	2025	7	24	7	74	153	153	20
Visayas	2025	7	24	8	85	153	153	20
Visayas	2025	7	24	9	97	153	153	20
Visayas	2025	7	24	10	104	153	153	20
Visayas	2025	7	24	11	107	153	153	20
Visayas	2025	7	24	12	105	153	153	20
Visayas	2025	7	24	13	105	153	153	20
Visayas	2025	7	24	14	110	153	153	20
Visayas	2025	7	24	15	110	153	153	20
Visayas	2025	7	24	16	109	153	153	20
Visayas	2025	7	24	17	100	153	153	20
Visayas	2025	7	24	18	97	153	153	20
Visayas	2025	7	24	19	103	153	153	20
Visayas	2025	7	24	20	98	153	153	20
Visayas	2025	7	24	21	94	153	153	20
Visayas	2025	7	24	22	88	153	153	20
Visayas	2025	7	24	23	82	153	153	20
Visayas	2025	7	24	24	77	153	153	20
Visayas	2025	7	25	1	73	153	153	20
Visayas	2025	7	25	2	71	153	153	20
Visayas	2025	7	25	3	67	153	153	20
Visayas	2025	7	25	4	66	153	153	20
Visayas	2025	7	25	5	66	153	153	20
Visayas	2025	7	25	6	69	153	153	20
Visayas	2025	7	25	7	71	153	153	20
Visayas	2025	7	25	8	83	153	153	20
Visayas	2025	7	25	9	97	153	153	20
Visayas	2025	7	25	10	106	153	153	20
Visayas	2025	7	25	11	111	153	153	20
Visayas	2025	7	25	12	109	153	153	20
Visayas	2025	7	25	13	108	153	153	20
Visayas	2025	7	25	14	114	153	153	20
Visayas	2025	7	25	15	112	153	153	20
Visayas	2025	7	25	16	110	153	153	20
Visayas	2025	7	25	17	100	153	153	20
Visayas	2025	7	25	18	97	153	153	20
Visayas	2025	7	25	19	104	153	153	20
Visayas	2025	7	25	20	101	153	153	20
Visayas	2025	7	25	21	98	153	153	20
Visayas	2025	7	25	22	92	153	153	20
Visayas	2025	7	25	23	86	153	153	20
Visayas	2025	7	25	24	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	26	1	76	153	153	20
Visayas	2025	7	26	2	73	153	153	20
Visayas	2025	7	26	3	70	153	153	20
Visayas	2025	7	26	4	68	153	153	20
Visayas	2025	7	26	5	67	153	153	20
Visayas	2025	7	26	6	68	153	153	20
Visayas	2025	7	26	7	67	153	153	20
Visayas	2025	7	26	8	78	153	153	20
Visayas	2025	7	26	9	87	153	153	20
Visayas	2025	7	26	10	95	153	153	20
Visayas	2025	7	26	11	98	153	153	20
Visayas	2025	7	26	12	97	153	153	20
Visayas	2025	7	26	13	99	153	153	20
Visayas	2025	7	26	14	104	153	153	20
Visayas	2025	7	26	15	101	153	153	20
Visayas	2025	7	26	16	98	153	153	20
Visayas	2025	7	26	17	92	153	153	20
Visayas	2025	7	26	18	94	153	153	20
Visayas	2025	7	26	19	101	153	153	20
Visayas	2025	7	26	20	96	153	153	20
Visayas	2025	7	26	21	92	153	153	20
Visayas	2025	7	26	22	89	153	153	20
Visayas	2025	7	26	23	82	153	153	20
Visayas	2025	7	26	24	78	153	153	20
Visayas	2025	7	27	1	72	153	153	20
Visayas	2025	7	27	2	69	153	153	20
Visayas	2025	7	27	3	66	153	153	20
Visayas	2025	7	27	4	65	153	153	20
Visayas	2025	7	27	5	65	153	153	20
Visayas	2025	7	27	6	64	153	153	20
Visayas	2025	7	27	7	63	153	153	20
Visayas	2025	7	27	8	67	153	153	20
Visayas	2025	7	27	9	73	153	153	20
Visayas	2025	7	27	10	80	153	153	20
Visayas	2025	7	27	11	83	153	153	20
Visayas	2025	7	27	12	84	153	153	20
Visayas	2025	7	27	13	83	153	153	20
Visayas	2025	7	27	14	84	153	153	20
Visayas	2025	7	27	15	80	153	153	20
Visayas	2025	7	27	16	80	153	153	20
Visayas	2025	7	27	17	82	153	153	20
Visayas	2025	7	27	18	87	153	153	20
Visayas	2025	7	27	19	92	153	153	20
Visayas	2025	7	27	20	87	153	153	20
Visayas	2025	7	27	21	86	153	153	20
Visayas	2025	7	27	22	81	153	153	20
Visayas	2025	7	27	23	76	153	153	20
Visayas	2025	7	27	24	71	153	153	20
Visayas	2025	7	28	1	67	153	153	20
Visayas	2025	7	28	2	64	153	153	20
Visayas	2025	7	28	3	62	153	153	20
Visayas	2025	7	28	4	61	153	153	20
Visayas	2025	7	28	5	62	153	153	20
Visayas	2025	7	28	6	64	153	153	20
Visayas	2025	7	28	7	67	153	153	20
Visayas	2025	7	28	8	79	153	153	20
Visayas	2025	7	28	9	94	153	153	20
Visayas	2025	7	28	10	100	153	153	20
Visayas	2025	7	28	11	105	153	153	20
Visayas	2025	7	28	12	104	153	153	20
Visayas	2025	7	28	13	103	153	153	20
Visayas	2025	7	28	14	108	153	153	20
Visayas	2025	7	28	15	106	153	153	20
Visayas	2025	7	28	16	103	153	153	20
Visayas	2025	7	28	17	97	153	153	20
Visayas	2025	7	28	18	95	153	153	20
Visayas	2025	7	28	19	101	153	153	20
Visayas	2025	7	28	20	96	153	153	20
Visayas	2025	7	28	21	92	153	153	20
Visayas	2025	7	28	22	85	153	153	20
Visayas	2025	7	28	23	80	153	153	20
Visayas	2025	7	28	24	75	153	153	20
Visayas	2025	7	29	1	71	153	153	20
Visayas	2025	7	29	2	67	153	153	20
Visayas	2025	7	29	3	65	153	153	20
Visayas	2025	7	29	4	64	153	153	20
Visayas	2025	7	29	5	65	153	153	20
Visayas	2025	7	29	6	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	7	29	7	69	153	153	20
Visayas	2025	7	29	8	83	153	153	20
Visayas	2025	7	29	9	100	153	153	20
Visayas	2025	7	29	10	107	153	153	20
Visayas	2025	7	29	11	112	153	153	20
Visayas	2025	7	29	12	109	153	153	20
Visayas	2025	7	29	13	110	153	153	20
Visayas	2025	7	29	14	116	153	153	20
Visayas	2025	7	29	15	113	153	153	20
Visayas	2025	7	29	16	110	153	153	20
Visayas	2025	7	29	17	103	153	153	20
Visayas	2025	7	29	18	100	153	153	20
Visayas	2025	7	29	19	107	153	153	20
Visayas	2025	7	29	20	102	153	153	20
Visayas	2025	7	29	21	97	153	153	20
Visayas	2025	7	29	22	92	153	153	20
Visayas	2025	7	29	23	87	153	153	20
Visayas	2025	7	29	24	80	153	153	20
Visayas	2025	7	30	1	76	153	153	20
Visayas	2025	7	30	2	73	153	153	20
Visayas	2025	7	30	3	70	153	153	20
Visayas	2025	7	30	4	67	153	153	20
Visayas	2025	7	30	5	68	153	153	20
Visayas	2025	7	30	6	70	153	153	20
Visayas	2025	7	30	7	74	153	153	20
Visayas	2025	7	30	8	85	153	153	20
Visayas	2025	7	30	9	100	153	153	20
Visayas	2025	7	30	10	107	153	153	20
Visayas	2025	7	30	11	113	153	153	20
Visayas	2025	7	30	12	111	153	153	20
Visayas	2025	7	30	13	109	153	153	20
Visayas	2025	7	30	14	114	153	153	20
Visayas	2025	7	30	15	115	153	153	20
Visayas	2025	7	30	16	113	153	153	20
Visayas	2025	7	30	17	104	153	153	20
Visayas	2025	7	30	18	102	153	153	20
Visayas	2025	7	30	19	109	153	153	20
Visayas	2025	7	30	20	106	153	153	20
Visayas	2025	7	30	21	102	153	153	20
Visayas	2025	7	30	22	95	153	153	20
Visayas	2025	7	30	23	90	153	153	20
Visayas	2025	7	30	24	83	153	153	20
Visayas	2025	7	31	1	79	153	153	20
Visayas	2025	7	31	2	76	153	153	20
Visayas	2025	7	31	3	73	153	153	20
Visayas	2025	7	31	4	70	153	153	20
Visayas	2025	7	31	5	71	153	153	20
Visayas	2025	7	31	6	72	153	153	20
Visayas	2025	7	31	7	74	153	153	20
Visayas	2025	7	31	8	86	153	153	20
Visayas	2025	7	31	9	102	153	153	20
Visayas	2025	7	31	10	110	153	153	20
Visayas	2025	7	31	11	115	153	153	20
Visayas	2025	7	31	12	112	153	153	20
Visayas	2025	7	31	13	112	153	153	20
Visayas	2025	7	31	14	120	153	153	20
Visayas	2025	7	31	15	118	153	153	20
Visayas	2025	7	31	16	116	153	153	20
Visayas	2025	7	31	17	106	153	153	20
Visayas	2025	7	31	18	103	153	153	20
Visayas	2025	7	31	19	110	153	153	20
Visayas	2025	7	31	20	107	153	153	20
Visayas	2025	7	31	21	103	153	153	20
Visayas	2025	7	31	22	96	153	153	20
Visayas	2025	7	31	23	91	153	153	20
Visayas	2025	7	31	24	85	153	153	20
Visayas	2025	8	1	1	80	153	153	20
Visayas	2025	8	1	2	77	153	153	20
Visayas	2025	8	1	3	75	153	153	20
Visayas	2025	8	1	4	69	153	153	20
Visayas	2025	8	1	5	72	153	153	20
Visayas	2025	8	1	6	73	153	153	20
Visayas	2025	8	1	7	73	153	153	20
Visayas	2025	8	1	8	84	153	153	20
Visayas	2025	8	1	9	99	153	153	20
Visayas	2025	8	1	10	107	153	153	20
Visayas	2025	8	1	11	113	153	153	20
Visayas	2025	8	1	12	110	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	1	13	110	153	153	20
Visayas	2025	8	1	14	115	153	153	20
Visayas	2025	8	1	15	114	153	153	20
Visayas	2025	8	1	16	109	153	153	20
Visayas	2025	8	1	17	102	153	153	20
Visayas	2025	8	1	18	100	153	153	20
Visayas	2025	8	1	19	105	153	153	20
Visayas	2025	8	1	20	101	153	153	20
Visayas	2025	8	1	21	98	153	153	20
Visayas	2025	8	1	22	91	153	153	20
Visayas	2025	8	1	23	85	153	153	20
Visayas	2025	8	1	24	81	153	153	20
Visayas	2025	8	2	1	76	153	153	20
Visayas	2025	8	2	2	73	153	153	20
Visayas	2025	8	2	3	71	153	153	20
Visayas	2025	8	2	4	68	153	153	20
Visayas	2025	8	2	5	67	153	153	20
Visayas	2025	8	2	6	68	153	153	20
Visayas	2025	8	2	7	69	153	153	20
Visayas	2025	8	2	8	76	153	153	20
Visayas	2025	8	2	9	87	153	153	20
Visayas	2025	8	2	10	90	153	153	20
Visayas	2025	8	2	11	94	153	153	20
Visayas	2025	8	2	12	92	153	153	20
Visayas	2025	8	2	13	93	153	153	20
Visayas	2025	8	2	14	96	153	153	20
Visayas	2025	8	2	15	97	153	153	20
Visayas	2025	8	2	16	95	153	153	20
Visayas	2025	8	2	17	91	153	153	20
Visayas	2025	8	2	18	93	153	153	20
Visayas	2025	8	2	19	100	153	153	20
Visayas	2025	8	2	20	95	153	153	20
Visayas	2025	8	2	21	91	153	153	20
Visayas	2025	8	2	22	87	153	153	20
Visayas	2025	8	2	23	82	153	153	20
Visayas	2025	8	2	24	78	153	153	20
Visayas	2025	8	3	1	74	153	153	20
Visayas	2025	8	3	2	70	153	153	20
Visayas	2025	8	3	3	68	153	153	20
Visayas	2025	8	3	4	66	153	153	20
Visayas	2025	8	3	5	65	153	153	20
Visayas	2025	8	3	6	65	153	153	20
Visayas	2025	8	3	7	64	153	153	20
Visayas	2025	8	3	8	66	153	153	20
Visayas	2025	8	3	9	70	153	153	20
Visayas	2025	8	3	10	77	153	153	20
Visayas	2025	8	3	11	80	153	153	20
Visayas	2025	8	3	12	81	153	153	20
Visayas	2025	8	3	13	81	153	153	20
Visayas	2025	8	3	14	83	153	153	20
Visayas	2025	8	3	15	80	153	153	20
Visayas	2025	8	3	16	79	153	153	20
Visayas	2025	8	3	17	80	153	153	20
Visayas	2025	8	3	18	87	153	153	20
Visayas	2025	8	3	19	95	153	153	20
Visayas	2025	8	3	20	92	153	153	20
Visayas	2025	8	3	21	88	153	153	20
Visayas	2025	8	3	22	83	153	153	20
Visayas	2025	8	3	23	78	153	153	20
Visayas	2025	8	3	24	73	153	153	20
Visayas	2025	8	4	1	68	153	153	20
Visayas	2025	8	4	2	65	153	153	20
Visayas	2025	8	4	3	61	153	153	20
Visayas	2025	8	4	4	60	153	153	20
Visayas	2025	8	4	5	60	153	153	20
Visayas	2025	8	4	6	64	153	153	20
Visayas	2025	8	4	7	64	153	153	20
Visayas	2025	8	4	8	76	153	153	20
Visayas	2025	8	4	9	95	153	153	20
Visayas	2025	8	4	10	102	153	153	20
Visayas	2025	8	4	11	109	153	153	20
Visayas	2025	8	4	12	106	153	153	20
Visayas	2025	8	4	13	108	153	153	20
Visayas	2025	8	4	14	111	153	153	20
Visayas	2025	8	4	15	110	153	153	20
Visayas	2025	8	4	16	107	153	153	20
Visayas	2025	8	4	17	99	153	153	20
Visayas	2025	8	4	18	97	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	4	19	101	153	153	20
Visayas	2025	8	4	20	98	153	153	20
Visayas	2025	8	4	21	93	153	153	20
Visayas	2025	8	4	22	87	153	153	20
Visayas	2025	8	4	23	80	153	153	20
Visayas	2025	8	4	24	76	153	153	20
Visayas	2025	8	5	1	72	153	153	20
Visayas	2025	8	5	2	69	153	153	20
Visayas	2025	8	5	3	66	153	153	20
Visayas	2025	8	5	4	64	153	153	20
Visayas	2025	8	5	5	65	153	153	20
Visayas	2025	8	5	6	68	153	153	20
Visayas	2025	8	5	7	69	153	153	20
Visayas	2025	8	5	8	81	153	153	20
Visayas	2025	8	5	9	98	153	153	20
Visayas	2025	8	5	10	107	153	153	20
Visayas	2025	8	5	11	111	153	153	20
Visayas	2025	8	5	12	109	153	153	20
Visayas	2025	8	5	13	110	153	153	20
Visayas	2025	8	5	14	115	153	153	20
Visayas	2025	8	5	15	116	153	153	20
Visayas	2025	8	5	16	108	153	153	20
Visayas	2025	8	5	17	104	153	153	20
Visayas	2025	8	5	18	101	153	153	20
Visayas	2025	8	5	19	107	153	153	20
Visayas	2025	8	5	20	103	153	153	20
Visayas	2025	8	5	21	100	153	153	20
Visayas	2025	8	5	22	94	153	153	20
Visayas	2025	8	5	23	86	153	153	20
Visayas	2025	8	5	24	82	153	153	20
Visayas	2025	8	6	1	78	153	153	20
Visayas	2025	8	6	2	74	153	153	20
Visayas	2025	8	6	3	71	153	153	20
Visayas	2025	8	6	4	69	153	153	20
Visayas	2025	8	6	5	70	153	153	20
Visayas	2025	8	6	6	72	153	153	20
Visayas	2025	8	6	7	73	153	153	20
Visayas	2025	8	6	8	86	153	153	20
Visayas	2025	8	6	9	102	153	153	20
Visayas	2025	8	6	10	111	153	153	20
Visayas	2025	8	6	11	115	153	153	20
Visayas	2025	8	6	12	111	153	153	20
Visayas	2025	8	6	13	113	153	153	20
Visayas	2025	8	6	14	118	153	153	20
Visayas	2025	8	6	15	116	153	153	20
Visayas	2025	8	6	16	113	153	153	20
Visayas	2025	8	6	17	103	153	153	20
Visayas	2025	8	6	18	103	153	153	20
Visayas	2025	8	6	19	111	153	153	20
Visayas	2025	8	6	20	104	153	153	20
Visayas	2025	8	6	21	101	153	153	20
Visayas	2025	8	6	22	97	153	153	20
Visayas	2025	8	6	23	88	153	153	20
Visayas	2025	8	6	24	79	153	153	20
Visayas	2025	8	7	1	75	153	153	20
Visayas	2025	8	7	2	71	153	153	20
Visayas	2025	8	7	3	68	153	153	20
Visayas	2025	8	7	4	67	153	153	20
Visayas	2025	8	7	5	68	153	153	20
Visayas	2025	8	7	6	69	153	153	20
Visayas	2025	8	7	7	71	153	153	20
Visayas	2025	8	7	8	82	153	153	20
Visayas	2025	8	7	9	98	153	153	20
Visayas	2025	8	7	10	105	153	153	20
Visayas	2025	8	7	11	111	153	153	20
Visayas	2025	8	7	12	104	153	153	20
Visayas	2025	8	7	13	104	153	153	20
Visayas	2025	8	7	14	112	153	153	20
Visayas	2025	8	7	15	110	153	153	20
Visayas	2025	8	7	16	110	153	153	20
Visayas	2025	8	7	17	101	153	153	20
Visayas	2025	8	7	18	102	153	153	20
Visayas	2025	8	7	19	104	153	153	20
Visayas	2025	8	7	20	95	153	153	20
Visayas	2025	8	7	21	90	153	153	20
Visayas	2025	8	7	22	83	153	153	20
Visayas	2025	8	7	23	77	153	153	20
Visayas	2025	8	7	24	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	8	1	69	153	153	20
Visayas	2025	8	8	2	67	153	153	20
Visayas	2025	8	8	3	64	153	153	20
Visayas	2025	8	8	4	63	153	153	20
Visayas	2025	8	8	5	64	153	153	20
Visayas	2025	8	8	6	66	153	153	20
Visayas	2025	8	8	7	68	153	153	20
Visayas	2025	8	8	8	79	153	153	20
Visayas	2025	8	8	9	93	153	153	20
Visayas	2025	8	8	10	102	153	153	20
Visayas	2025	8	8	11	106	153	153	20
Visayas	2025	8	8	12	102	153	153	20
Visayas	2025	8	8	13	101	153	153	20
Visayas	2025	8	8	14	104	153	153	20
Visayas	2025	8	8	15	104	153	153	20
Visayas	2025	8	8	16	98	153	153	20
Visayas	2025	8	8	17	93	153	153	20
Visayas	2025	8	8	18	93	153	153	20
Visayas	2025	8	8	19	94	153	153	20
Visayas	2025	8	8	20	91	153	153	20
Visayas	2025	8	8	21	87	153	153	20
Visayas	2025	8	8	22	80	153	153	20
Visayas	2025	8	8	23	74	153	153	20
Visayas	2025	8	8	24	70	153	153	20
Visayas	2025	8	9	1	67	153	153	20
Visayas	2025	8	9	2	65	153	153	20
Visayas	2025	8	9	3	63	153	153	20
Visayas	2025	8	9	4	62	153	153	20
Visayas	2025	8	9	5	63	153	153	20
Visayas	2025	8	9	6	62	153	153	20
Visayas	2025	8	9	7	63	153	153	20
Visayas	2025	8	9	8	71	153	153	20
Visayas	2025	8	9	9	80	153	153	20
Visayas	2025	8	9	10	85	153	153	20
Visayas	2025	8	9	11	89	153	153	20
Visayas	2025	8	9	12	88	153	153	20
Visayas	2025	8	9	13	88	153	153	20
Visayas	2025	8	9	14	92	153	153	20
Visayas	2025	8	9	15	90	153	153	20
Visayas	2025	8	9	16	86	153	153	20
Visayas	2025	8	9	17	85	153	153	20
Visayas	2025	8	9	18	89	153	153	20
Visayas	2025	8	9	19	93	153	153	20
Visayas	2025	8	9	20	87	153	153	20
Visayas	2025	8	9	21	86	153	153	20
Visayas	2025	8	9	22	80	153	153	20
Visayas	2025	8	9	23	74	153	153	20
Visayas	2025	8	9	24	69	153	153	20
Visayas	2025	8	10	1	66	153	153	20
Visayas	2025	8	10	2	62	153	153	20
Visayas	2025	8	10	3	60	153	153	20
Visayas	2025	8	10	4	60	153	153	20
Visayas	2025	8	10	5	60	153	153	20
Visayas	2025	8	10	6	60	153	153	20
Visayas	2025	8	10	7	60	153	153	20
Visayas	2025	8	10	8	62	153	153	20
Visayas	2025	8	10	9	67	153	153	20
Visayas	2025	8	10	10	73	153	153	20
Visayas	2025	8	10	11	72	153	153	20
Visayas	2025	8	10	12	74	153	153	20
Visayas	2025	8	10	13	73	153	153	20
Visayas	2025	8	10	14	73	153	153	20
Visayas	2025	8	10	15	72	153	153	20
Visayas	2025	8	10	16	72	153	153	20
Visayas	2025	8	10	17	71	153	153	20
Visayas	2025	8	10	18	81	153	153	20
Visayas	2025	8	10	19	87	153	153	20
Visayas	2025	8	10	20	82	153	153	20
Visayas	2025	8	10	21	80	153	153	20
Visayas	2025	8	10	22	74	153	153	20
Visayas	2025	8	10	23	69	153	153	20
Visayas	2025	8	10	24	65	153	153	20
Visayas	2025	8	11	1	62	153	153	20
Visayas	2025	8	11	2	61	153	153	20
Visayas	2025	8	11	3	58	153	153	20
Visayas	2025	8	11	4	57	153	153	20
Visayas	2025	8	11	5	59	153	153	20
Visayas	2025	8	11	6	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	11	7	64	153	153	20
Visayas	2025	8	11	8	78	153	153	20
Visayas	2025	8	11	9	93	153	153	20
Visayas	2025	8	11	10	102	153	153	20
Visayas	2025	8	11	11	110	153	153	20
Visayas	2025	8	11	12	105	153	153	20
Visayas	2025	8	11	13	105	153	153	20
Visayas	2025	8	11	14	109	153	153	20
Visayas	2025	8	11	15	108	153	153	20
Visayas	2025	8	11	16	105	153	153	20
Visayas	2025	8	11	17	99	153	153	20
Visayas	2025	8	11	18	96	153	153	20
Visayas	2025	8	11	19	97	153	153	20
Visayas	2025	8	11	20	92	153	153	20
Visayas	2025	8	11	21	88	153	153	20
Visayas	2025	8	11	22	81	153	153	20
Visayas	2025	8	11	23	76	153	153	20
Visayas	2025	8	11	24	69	153	153	20
Visayas	2025	8	12	1	66	153	153	20
Visayas	2025	8	12	2	64	153	153	20
Visayas	2025	8	12	3	63	153	153	20
Visayas	2025	8	12	4	61	153	153	20
Visayas	2025	8	12	5	62	153	153	20
Visayas	2025	8	12	6	65	153	153	20
Visayas	2025	8	12	7	67	153	153	20
Visayas	2025	8	12	8	78	153	153	20
Visayas	2025	8	12	9	95	153	153	20
Visayas	2025	8	12	10	103	153	153	20
Visayas	2025	8	12	11	110	153	153	20
Visayas	2025	8	12	12	105	153	153	20
Visayas	2025	8	12	13	105	153	153	20
Visayas	2025	8	12	14	112	153	153	20
Visayas	2025	8	12	15	108	153	153	20
Visayas	2025	8	12	16	106	153	153	20
Visayas	2025	8	12	17	94	153	153	20
Visayas	2025	8	12	18	95	153	153	20
Visayas	2025	8	12	19	96	153	153	20
Visayas	2025	8	12	20	91	153	153	20
Visayas	2025	8	12	21	87	153	153	20
Visayas	2025	8	12	22	80	153	153	20
Visayas	2025	8	12	23	74	153	153	20
Visayas	2025	8	12	24	69	153	153	20
Visayas	2025	8	13	1	66	153	153	20
Visayas	2025	8	13	2	63	153	153	20
Visayas	2025	8	13	3	61	153	153	20
Visayas	2025	8	13	4	60	153	153	20
Visayas	2025	8	13	5	61	153	153	20
Visayas	2025	8	13	6	65	153	153	20
Visayas	2025	8	13	7	66	153	153	20
Visayas	2025	8	13	8	77	153	153	20
Visayas	2025	8	13	9	92	153	153	20
Visayas	2025	8	13	10	101	153	153	20
Visayas	2025	8	13	11	106	153	153	20
Visayas	2025	8	13	12	105	153	153	20
Visayas	2025	8	13	13	106	153	153	20
Visayas	2025	8	13	14	113	153	153	20
Visayas	2025	8	13	15	106	153	153	20
Visayas	2025	8	13	16	105	153	153	20
Visayas	2025	8	13	17	98	153	153	20
Visayas	2025	8	13	18	99	153	153	20
Visayas	2025	8	13	19	101	153	153	20
Visayas	2025	8	13	20	96	153	153	20
Visayas	2025	8	13	21	93	153	153	20
Visayas	2025	8	13	22	85	153	153	20
Visayas	2025	8	13	23	79	153	153	20
Visayas	2025	8	13	24	74	153	153	20
Visayas	2025	8	14	1	71	153	153	20
Visayas	2025	8	14	2	68	153	153	20
Visayas	2025	8	14	3	65	153	153	20
Visayas	2025	8	14	4	64	153	153	20
Visayas	2025	8	14	5	65	153	153	20
Visayas	2025	8	14	6	68	153	153	20
Visayas	2025	8	14	7	70	153	153	20
Visayas	2025	8	14	8	82	153	153	20
Visayas	2025	8	14	9	98	153	153	20
Visayas	2025	8	14	10	105	153	153	20
Visayas	2025	8	14	11	112	153	153	20
Visayas	2025	8	14	12	108	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	14	13	108	153	153	20
Visayas	2025	8	14	14	115	153	153	20
Visayas	2025	8	14	15	115	153	153	20
Visayas	2025	8	14	16	111	153	153	20
Visayas	2025	8	14	17	103	153	153	20
Visayas	2025	8	14	18	103	153	153	20
Visayas	2025	8	14	19	107	153	153	20
Visayas	2025	8	14	20	102	153	153	20
Visayas	2025	8	14	21	98	153	153	20
Visayas	2025	8	14	22	91	153	153	20
Visayas	2025	8	14	23	85	153	153	20
Visayas	2025	8	14	24	79	153	153	20
Visayas	2025	8	15	1	75	153	153	20
Visayas	2025	8	15	2	72	153	153	20
Visayas	2025	8	15	3	69	153	153	20
Visayas	2025	8	15	4	68	153	153	20
Visayas	2025	8	15	5	69	153	153	20
Visayas	2025	8	15	6	71	153	153	20
Visayas	2025	8	15	7	72	153	153	20
Visayas	2025	8	15	8	84	153	153	20
Visayas	2025	8	15	9	99	153	153	20
Visayas	2025	8	15	10	108	153	153	20
Visayas	2025	8	15	11	111	153	153	20
Visayas	2025	8	15	12	110	153	153	20
Visayas	2025	8	15	13	109	153	153	20
Visayas	2025	8	15	14	115	153	153	20
Visayas	2025	8	15	15	113	153	153	20
Visayas	2025	8	15	16	108	153	153	20
Visayas	2025	8	15	17	101	153	153	20
Visayas	2025	8	15	18	99	153	153	20
Visayas	2025	8	15	19	105	153	153	20
Visayas	2025	8	15	20	99	153	153	20
Visayas	2025	8	15	21	97	153	153	20
Visayas	2025	8	15	22	91	153	153	20
Visayas	2025	8	15	23	84	153	153	20
Visayas	2025	8	15	24	79	153	153	20
Visayas	2025	8	16	1	76	153	153	20
Visayas	2025	8	16	2	74	153	153	20
Visayas	2025	8	16	3	70	153	153	20
Visayas	2025	8	16	4	69	153	153	20
Visayas	2025	8	16	5	68	153	153	20
Visayas	2025	8	16	6	69	153	153	20
Visayas	2025	8	16	7	66	153	153	20
Visayas	2025	8	16	8	73	153	153	20
Visayas	2025	8	16	9	83	153	153	20
Visayas	2025	8	16	10	90	153	153	20
Visayas	2025	8	16	11	94	153	153	20
Visayas	2025	8	16	12	92	153	153	20
Visayas	2025	8	16	13	90	153	153	20
Visayas	2025	8	16	14	88	153	153	20
Visayas	2025	8	16	15	87	153	153	20
Visayas	2025	8	16	16	85	153	153	20
Visayas	2025	8	16	17	84	153	153	20
Visayas	2025	8	16	18	90	153	153	20
Visayas	2025	8	16	19	98	153	153	20
Visayas	2025	8	16	20	92	153	153	20
Visayas	2025	8	16	21	88	153	153	20
Visayas	2025	8	16	22	82	153	153	20
Visayas	2025	8	16	23	78	153	153	20
Visayas	2025	8	16	24	72	153	153	20
Visayas	2025	8	17	1	68	153	153	20
Visayas	2025	8	17	2	65	153	153	20
Visayas	2025	8	17	3	64	153	153	20
Visayas	2025	8	17	4	62	153	153	20
Visayas	2025	8	17	5	63	153	153	20
Visayas	2025	8	17	6	62	153	153	20
Visayas	2025	8	17	7	64	153	153	20
Visayas	2025	8	17	8	66	153	153	20
Visayas	2025	8	17	9	70	153	153	20
Visayas	2025	8	17	10	77	153	153	20
Visayas	2025	8	17	11	78	153	153	20
Visayas	2025	8	17	12	77	153	153	20
Visayas	2025	8	17	13	77	153	153	20
Visayas	2025	8	17	14	77	153	153	20
Visayas	2025	8	17	15	76	153	153	20
Visayas	2025	8	17	16	76	153	153	20
Visayas	2025	8	17	17	77	153	153	20
Visayas	2025	8	17	18	84	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	17	19	89	153	153	20
Visayas	2025	8	17	20	86	153	153	20
Visayas	2025	8	17	21	82	153	153	20
Visayas	2025	8	17	22	77	153	153	20
Visayas	2025	8	17	23	71	153	153	20
Visayas	2025	8	17	24	68	153	153	20
Visayas	2025	8	18	1	65	153	153	20
Visayas	2025	8	18	2	62	153	153	20
Visayas	2025	8	18	3	60	153	153	20
Visayas	2025	8	18	4	60	153	153	20
Visayas	2025	8	18	5	61	153	153	20
Visayas	2025	8	18	6	65	153	153	20
Visayas	2025	8	18	7	67	153	153	20
Visayas	2025	8	18	8	79	153	153	20
Visayas	2025	8	18	9	95	153	153	20
Visayas	2025	8	18	10	100	153	153	20
Visayas	2025	8	18	11	106	153	153	20
Visayas	2025	8	18	12	104	153	153	20
Visayas	2025	8	18	13	108	153	153	20
Visayas	2025	8	18	14	109	153	153	20
Visayas	2025	8	18	15	109	153	153	20
Visayas	2025	8	18	16	110	153	153	20
Visayas	2025	8	18	17	103	153	153	20
Visayas	2025	8	18	18	99	153	153	20
Visayas	2025	8	18	19	104	153	153	20
Visayas	2025	8	18	20	99	153	153	20
Visayas	2025	8	18	21	95	153	153	20
Visayas	2025	8	18	22	88	153	153	20
Visayas	2025	8	18	23	82	153	153	20
Visayas	2025	8	18	24	77	153	153	20
Visayas	2025	8	19	1	73	153	153	20
Visayas	2025	8	19	2	69	153	153	20
Visayas	2025	8	19	3	67	153	153	20
Visayas	2025	8	19	4	65	153	153	20
Visayas	2025	8	19	5	67	153	153	20
Visayas	2025	8	19	6	70	153	153	20
Visayas	2025	8	19	7	72	153	153	20
Visayas	2025	8	19	8	83	153	153	20
Visayas	2025	8	19	9	99	153	153	20
Visayas	2025	8	19	10	107	153	153	20
Visayas	2025	8	19	11	111	153	153	20
Visayas	2025	8	19	12	110	153	153	20
Visayas	2025	8	19	13	112	153	153	20
Visayas	2025	8	19	14	115	153	153	20
Visayas	2025	8	19	15	117	153	153	20
Visayas	2025	8	19	16	113	153	153	20
Visayas	2025	8	19	17	105	153	153	20
Visayas	2025	8	19	18	102	153	153	20
Visayas	2025	8	19	19	108	153	153	20
Visayas	2025	8	19	20	104	153	153	20
Visayas	2025	8	19	21	101	153	153	20
Visayas	2025	8	19	22	93	153	153	20
Visayas	2025	8	19	23	87	153	153	20
Visayas	2025	8	19	24	81	153	153	20
Visayas	2025	8	20	1	77	153	153	20
Visayas	2025	8	20	2	75	153	153	20
Visayas	2025	8	20	3	70	153	153	20
Visayas	2025	8	20	4	69	153	153	20
Visayas	2025	8	20	5	70	153	153	20
Visayas	2025	8	20	6	71	153	153	20
Visayas	2025	8	20	7	72	153	153	20
Visayas	2025	8	20	8	84	153	153	20
Visayas	2025	8	20	9	100	153	153	20
Visayas	2025	8	20	10	106	153	153	20
Visayas	2025	8	20	11	114	153	153	20
Visayas	2025	8	20	12	110	153	153	20
Visayas	2025	8	20	13	112	153	153	20
Visayas	2025	8	20	14	113	153	153	20
Visayas	2025	8	20	15	110	153	153	20
Visayas	2025	8	20	16	105	153	153	20
Visayas	2025	8	20	17	102	153	153	20
Visayas	2025	8	20	18	100	153	153	20
Visayas	2025	8	20	19	100	153	153	20
Visayas	2025	8	20	20	95	153	153	20
Visayas	2025	8	20	21	91	153	153	20
Visayas	2025	8	20	22	85	153	153	20
Visayas	2025	8	20	23	82	153	153	20
Visayas	2025	8	20	24	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	21	1	69	153	153	20
Visayas	2025	8	21	2	67	153	153	20
Visayas	2025	8	21	3	65	153	153	20
Visayas	2025	8	21	4	63	153	153	20
Visayas	2025	8	21	5	63	153	153	20
Visayas	2025	8	21	6	62	153	153	20
Visayas	2025	8	21	7	61	153	153	20
Visayas	2025	8	21	8	63	153	153	20
Visayas	2025	8	21	9	69	153	153	20
Visayas	2025	8	21	10	76	153	153	20
Visayas	2025	8	21	11	80	153	153	20
Visayas	2025	8	21	12	81	153	153	20
Visayas	2025	8	21	13	80	153	153	20
Visayas	2025	8	21	14	82	153	153	20
Visayas	2025	8	21	15	79	153	153	20
Visayas	2025	8	21	16	79	153	153	20
Visayas	2025	8	21	17	79	153	153	20
Visayas	2025	8	21	18	86	153	153	20
Visayas	2025	8	21	19	93	153	153	20
Visayas	2025	8	21	20	94	153	153	20
Visayas	2025	8	21	21	90	153	153	20
Visayas	2025	8	21	22	86	153	153	20
Visayas	2025	8	21	23	80	153	153	20
Visayas	2025	8	21	24	75	153	153	20
Visayas	2025	8	22	1	75	153	153	20
Visayas	2025	8	22	2	71	153	153	20
Visayas	2025	8	22	3	69	153	153	20
Visayas	2025	8	22	4	67	153	153	20
Visayas	2025	8	22	5	67	153	153	20
Visayas	2025	8	22	6	70	153	153	20
Visayas	2025	8	22	7	72	153	153	20
Visayas	2025	8	22	8	82	153	153	20
Visayas	2025	8	22	9	95	153	153	20
Visayas	2025	8	22	10	102	153	153	20
Visayas	2025	8	22	11	106	153	153	20
Visayas	2025	8	22	12	104	153	153	20
Visayas	2025	8	22	13	97	153	153	20
Visayas	2025	8	22	14	104	153	153	20
Visayas	2025	8	22	15	104	153	153	20
Visayas	2025	8	22	16	103	153	153	20
Visayas	2025	8	22	17	98	153	153	20
Visayas	2025	8	22	18	98	153	153	20
Visayas	2025	8	22	19	101	153	153	20
Visayas	2025	8	22	20	96	153	153	20
Visayas	2025	8	22	21	91	153	153	20
Visayas	2025	8	22	22	85	153	153	20
Visayas	2025	8	22	23	80	153	153	20
Visayas	2025	8	22	24	75	153	153	20
Visayas	2025	8	23	1	71	153	153	20
Visayas	2025	8	23	2	69	153	153	20
Visayas	2025	8	23	3	66	153	153	20
Visayas	2025	8	23	4	65	153	153	20
Visayas	2025	8	23	5	62	153	153	20
Visayas	2025	8	23	6	63	153	153	20
Visayas	2025	8	23	7	65	153	153	20
Visayas	2025	8	23	8	70	153	153	20
Visayas	2025	8	23	9	77	153	153	20
Visayas	2025	8	23	10	81	153	153	20
Visayas	2025	8	23	11	86	153	153	20
Visayas	2025	8	23	12	86	153	153	20
Visayas	2025	8	23	13	87	153	153	20
Visayas	2025	8	23	14	90	153	153	20
Visayas	2025	8	23	15	90	153	153	20
Visayas	2025	8	23	16	87	153	153	20
Visayas	2025	8	23	17	85	153	153	20
Visayas	2025	8	23	18	86	153	153	20
Visayas	2025	8	23	19	88	153	153	20
Visayas	2025	8	23	20	86	153	153	20
Visayas	2025	8	23	21	84	153	153	20
Visayas	2025	8	23	22	84	153	153	20
Visayas	2025	8	23	23	79	153	153	20
Visayas	2025	8	23	24	73	153	153	20
Visayas	2025	8	24	1	76	153	153	20
Visayas	2025	8	24	2	73	153	153	20
Visayas	2025	8	24	3	70	153	153	20
Visayas	2025	8	24	4	68	153	153	20
Visayas	2025	8	24	5	67	153	153	20
Visayas	2025	8	24	6	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	24	7	67	153	153	20
Visayas	2025	8	24	8	72	153	153	20
Visayas	2025	8	24	9	78	153	153	20
Visayas	2025	8	24	10	82	153	153	20
Visayas	2025	8	24	11	88	153	153	20
Visayas	2025	8	24	12	88	153	153	20
Visayas	2025	8	24	13	89	153	153	20
Visayas	2025	8	24	14	91	153	153	20
Visayas	2025	8	24	15	92	153	153	20
Visayas	2025	8	24	16	89	153	153	20
Visayas	2025	8	24	17	87	153	153	20
Visayas	2025	8	24	18	94	153	153	20
Visayas	2025	8	24	19	102	153	153	20
Visayas	2025	8	24	20	97	153	153	20
Visayas	2025	8	24	21	95	153	153	20
Visayas	2025	8	24	22	91	153	153	20
Visayas	2025	8	24	23	85	153	153	20
Visayas	2025	8	24	24	80	153	153	20
Visayas	2025	8	25	1	78	153	153	20
Visayas	2025	8	25	2	74	153	153	20
Visayas	2025	8	25	3	72	153	153	20
Visayas	2025	8	25	4	70	153	153	20
Visayas	2025	8	25	5	73	153	153	20
Visayas	2025	8	25	6	78	153	153	20
Visayas	2025	8	25	7	73	153	153	20
Visayas	2025	8	25	8	87	153	153	20
Visayas	2025	8	25	9	105	153	153	20
Visayas	2025	8	25	10	112	153	153	20
Visayas	2025	8	25	11	116	153	153	20
Visayas	2025	8	25	12	114	153	153	20
Visayas	2025	8	25	13	116	153	153	20
Visayas	2025	8	25	14	118	153	153	20
Visayas	2025	8	25	15	119	153	153	20
Visayas	2025	8	25	16	115	153	153	20
Visayas	2025	8	25	17	110	153	153	20
Visayas	2025	8	25	18	109	153	153	20
Visayas	2025	8	25	19	112	153	153	20
Visayas	2025	8	25	20	108	153	153	20
Visayas	2025	8	25	21	104	153	153	20
Visayas	2025	8	25	22	97	153	153	20
Visayas	2025	8	25	23	89	153	153	20
Visayas	2025	8	25	24	83	153	153	20
Visayas	2025	8	26	1	69	153	153	20
Visayas	2025	8	26	2	67	153	153	20
Visayas	2025	8	26	3	65	153	153	20
Visayas	2025	8	26	4	63	153	153	20
Visayas	2025	8	26	5	68	153	153	20
Visayas	2025	8	26	6	74	153	153	20
Visayas	2025	8	26	7	68	153	153	20
Visayas	2025	8	26	8	81	153	153	20
Visayas	2025	8	26	9	96	153	153	20
Visayas	2025	8	26	10	105	153	153	20
Visayas	2025	8	26	11	108	153	153	20
Visayas	2025	8	26	12	103	153	153	20
Visayas	2025	8	26	13	105	153	153	20
Visayas	2025	8	26	14	111	153	153	20
Visayas	2025	8	26	15	110	153	153	20
Visayas	2025	8	26	16	106	153	153	20
Visayas	2025	8	26	17	100	153	153	20
Visayas	2025	8	26	18	102	153	153	20
Visayas	2025	8	26	19	104	153	153	20
Visayas	2025	8	26	20	100	153	153	20
Visayas	2025	8	26	21	96	153	153	20
Visayas	2025	8	26	22	88	153	153	20
Visayas	2025	8	26	23	83	153	153	20
Visayas	2025	8	26	24	78	153	153	20
Visayas	2025	8	27	1	74	153	153	20
Visayas	2025	8	27	2	71	153	153	20
Visayas	2025	8	27	3	68	153	153	20
Visayas	2025	8	27	4	67	153	153	20
Visayas	2025	8	27	5	70	153	153	20
Visayas	2025	8	27	6	75	153	153	20
Visayas	2025	8	27	7	68	153	153	20
Visayas	2025	8	27	8	83	153	153	20
Visayas	2025	8	27	9	98	153	153	20
Visayas	2025	8	27	10	107	153	153	20
Visayas	2025	8	27	11	111	153	153	20
Visayas	2025	8	27	12	107	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	27	13	110	153	153	20
Visayas	2025	8	27	14	117	153	153	20
Visayas	2025	8	27	15	113	153	153	20
Visayas	2025	8	27	16	107	153	153	20
Visayas	2025	8	27	17	101	153	153	20
Visayas	2025	8	27	18	101	153	153	20
Visayas	2025	8	27	19	106	153	153	20
Visayas	2025	8	27	20	102	153	153	20
Visayas	2025	8	27	21	97	153	153	20
Visayas	2025	8	27	22	92	153	153	20
Visayas	2025	8	27	23	84	153	153	20
Visayas	2025	8	27	24	78	153	153	20
Visayas	2025	8	28	1	74	153	153	20
Visayas	2025	8	28	2	71	153	153	20
Visayas	2025	8	28	3	68	153	153	20
Visayas	2025	8	28	4	67	153	153	20
Visayas	2025	8	28	5	70	153	153	20
Visayas	2025	8	28	6	73	153	153	20
Visayas	2025	8	28	7	70	153	153	20
Visayas	2025	8	28	8	81	153	153	20
Visayas	2025	8	28	9	95	153	153	20
Visayas	2025	8	28	10	104	153	153	20
Visayas	2025	8	28	11	107	153	153	20
Visayas	2025	8	28	12	105	153	153	20
Visayas	2025	8	28	13	105	153	153	20
Visayas	2025	8	28	14	114	153	153	20
Visayas	2025	8	28	15	113	153	153	20
Visayas	2025	8	28	16	109	153	153	20
Visayas	2025	8	28	17	101	153	153	20
Visayas	2025	8	28	18	103	153	153	20
Visayas	2025	8	28	19	108	153	153	20
Visayas	2025	8	28	20	104	153	153	20
Visayas	2025	8	28	21	99	153	153	20
Visayas	2025	8	28	22	92	153	153	20
Visayas	2025	8	28	23	88	153	153	20
Visayas	2025	8	28	24	84	153	153	20
Visayas	2025	8	29	1	80	153	153	20
Visayas	2025	8	29	2	73	153	153	20
Visayas	2025	8	29	3	71	153	153	20
Visayas	2025	8	29	4	69	153	153	20
Visayas	2025	8	29	5	69	153	153	20
Visayas	2025	8	29	6	76	153	153	20
Visayas	2025	8	29	7	72	153	153	20
Visayas	2025	8	29	8	82	153	153	20
Visayas	2025	8	29	9	100	153	153	20
Visayas	2025	8	29	10	110	153	153	20
Visayas	2025	8	29	11	112	153	153	20
Visayas	2025	8	29	12	108	153	153	20
Visayas	2025	8	29	13	107	153	153	20
Visayas	2025	8	29	14	114	153	153	20
Visayas	2025	8	29	15	112	153	153	20
Visayas	2025	8	29	16	110	153	153	20
Visayas	2025	8	29	17	102	153	153	20
Visayas	2025	8	29	18	103	153	153	20
Visayas	2025	8	29	19	105	153	153	20
Visayas	2025	8	29	20	101	153	153	20
Visayas	2025	8	29	21	96	153	153	20
Visayas	2025	8	29	22	89	153	153	20
Visayas	2025	8	29	23	84	153	153	20
Visayas	2025	8	29	24	79	153	153	20
Visayas	2025	8	30	1	76	153	153	20
Visayas	2025	8	30	2	72	153	153	20
Visayas	2025	8	30	3	69	153	153	20
Visayas	2025	8	30	4	67	153	153	20
Visayas	2025	8	30	5	67	153	153	20
Visayas	2025	8	30	6	68	153	153	20
Visayas	2025	8	30	7	70	153	153	20
Visayas	2025	8	30	8	77	153	153	20
Visayas	2025	8	30	9	88	153	153	20
Visayas	2025	8	30	10	94	153	153	20
Visayas	2025	8	30	11	100	153	153	20
Visayas	2025	8	30	12	97	153	153	20
Visayas	2025	8	30	13	98	153	153	20
Visayas	2025	8	30	14	104	153	153	20
Visayas	2025	8	30	15	102	153	153	20
Visayas	2025	8	30	16	99	153	153	20
Visayas	2025	8	30	17	96	153	153	20
Visayas	2025	8	30	18	98	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	8	30	19	102	153	153	20
Visayas	2025	8	30	20	98	153	153	20
Visayas	2025	8	30	21	95	153	153	20
Visayas	2025	8	30	22	90	153	153	20
Visayas	2025	8	30	23	85	153	153	20
Visayas	2025	8	30	24	80	153	153	20
Visayas	2025	8	31	1	76	153	153	20
Visayas	2025	8	31	2	73	153	153	20
Visayas	2025	8	31	3	70	153	153	20
Visayas	2025	8	31	4	68	153	153	20
Visayas	2025	8	31	5	67	153	153	20
Visayas	2025	8	31	6	67	153	153	20
Visayas	2025	8	31	7	67	153	153	20
Visayas	2025	8	31	8	72	153	153	20
Visayas	2025	8	31	9	78	153	153	20
Visayas	2025	8	31	10	82	153	153	20
Visayas	2025	8	31	11	88	153	153	20
Visayas	2025	8	31	12	88	153	153	20
Visayas	2025	8	31	13	89	153	153	20
Visayas	2025	8	31	14	91	153	153	20
Visayas	2025	8	31	15	92	153	153	20
Visayas	2025	8	31	16	89	153	153	20
Visayas	2025	8	31	17	87	153	153	20
Visayas	2025	8	31	18	94	153	153	20
Visayas	2025	8	31	19	102	153	153	20
Visayas	2025	8	31	20	97	153	153	20
Visayas	2025	8	31	21	95	153	153	20
Visayas	2025	8	31	22	91	153	153	20
Visayas	2025	8	31	23	85	153	153	20
Visayas	2025	8	31	24	80	153	153	20
Visayas	2025	9	1	1	76	153	153	20
Visayas	2025	9	1	2	72	153	153	20
Visayas	2025	9	1	3	68	153	153	20
Visayas	2025	9	1	4	67	153	153	20
Visayas	2025	9	1	5	66	153	153	20
Visayas	2025	9	1	6	68	153	153	20
Visayas	2025	9	1	7	68	153	153	20
Visayas	2025	9	1	8	75	153	153	20
Visayas	2025	9	1	9	84	153	153	20
Visayas	2025	9	1	10	92	153	153	20
Visayas	2025	9	1	11	97	153	153	20
Visayas	2025	9	1	12	95	153	153	20
Visayas	2025	9	1	13	96	153	153	20
Visayas	2025	9	1	14	100	153	153	20
Visayas	2025	9	1	15	95	153	153	20
Visayas	2025	9	1	16	92	153	153	20
Visayas	2025	9	1	17	90	153	153	20
Visayas	2025	9	1	18	96	153	153	20
Visayas	2025	9	1	19	100	153	153	20
Visayas	2025	9	1	20	97	153	153	20
Visayas	2025	9	1	21	94	153	153	20
Visayas	2025	9	1	22	87	153	153	20
Visayas	2025	9	1	23	81	153	153	20
Visayas	2025	9	1	24	77	153	153	20
Visayas	2025	9	2	1	72	153	153	20
Visayas	2025	9	2	2	69	153	153	20
Visayas	2025	9	2	3	66	153	153	20
Visayas	2025	9	2	4	65	153	153	20
Visayas	2025	9	2	5	68	153	153	20
Visayas	2025	9	2	6	72	153	153	20
Visayas	2025	9	2	7	67	153	153	20
Visayas	2025	9	2	8	81	153	153	20
Visayas	2025	9	2	9	99	153	153	20
Visayas	2025	9	2	10	109	153	153	20
Visayas	2025	9	2	11	111	153	153	20
Visayas	2025	9	2	12	108	153	153	20
Visayas	2025	9	2	13	112	153	153	20
Visayas	2025	9	2	14	116	153	153	20
Visayas	2025	9	2	15	115	153	153	20
Visayas	2025	9	2	16	111	153	153	20
Visayas	2025	9	2	17	103	153	153	20
Visayas	2025	9	2	18	107	153	153	20
Visayas	2025	9	2	19	109	153	153	20
Visayas	2025	9	2	20	104	153	153	20
Visayas	2025	9	2	21	100	153	153	20
Visayas	2025	9	2	22	94	153	153	20
Visayas	2025	9	2	23	88	153	153	20
Visayas	2025	9	2	24	83	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	3	1	74	153	153	20
Visayas	2025	9	3	2	71	153	153	20
Visayas	2025	9	3	3	67	153	153	20
Visayas	2025	9	3	4	66	153	153	20
Visayas	2025	9	3	5	69	153	153	20
Visayas	2025	9	3	6	76	153	153	20
Visayas	2025	9	3	7	70	153	153	20
Visayas	2025	9	3	8	84	153	153	20
Visayas	2025	9	3	9	100	153	153	20
Visayas	2025	9	3	10	109	153	153	20
Visayas	2025	9	3	11	115	153	153	20
Visayas	2025	9	3	12	110	153	153	20
Visayas	2025	9	3	13	112	153	153	20
Visayas	2025	9	3	14	119	153	153	20
Visayas	2025	9	3	15	117	153	153	20
Visayas	2025	9	3	16	115	153	153	20
Visayas	2025	9	3	17	106	153	153	20
Visayas	2025	9	3	18	108	153	153	20
Visayas	2025	9	3	19	110	153	153	20
Visayas	2025	9	3	20	107	153	153	20
Visayas	2025	9	3	21	103	153	153	20
Visayas	2025	9	3	22	97	153	153	20
Visayas	2025	9	3	23	90	153	153	20
Visayas	2025	9	3	24	85	153	153	20
Visayas	2025	9	4	1	79	153	153	20
Visayas	2025	9	4	2	77	153	153	20
Visayas	2025	9	4	3	74	153	153	20
Visayas	2025	9	4	4	73	153	153	20
Visayas	2025	9	4	5	75	153	153	20
Visayas	2025	9	4	6	80	153	153	20
Visayas	2025	9	4	7	75	153	153	20
Visayas	2025	9	4	8	89	153	153	20
Visayas	2025	9	4	9	105	153	153	20
Visayas	2025	9	4	10	114	153	153	20
Visayas	2025	9	4	11	118	153	153	20
Visayas	2025	9	4	12	115	153	153	20
Visayas	2025	9	4	13	116	153	153	20
Visayas	2025	9	4	14	120	153	153	20
Visayas	2025	9	4	15	121	153	153	20
Visayas	2025	9	4	16	114	153	153	20
Visayas	2025	9	4	17	109	153	153	20
Visayas	2025	9	4	18	109	153	153	20
Visayas	2025	9	4	19	111	153	153	20
Visayas	2025	9	4	20	108	153	153	20
Visayas	2025	9	4	21	104	153	153	20
Visayas	2025	9	4	22	96	153	153	20
Visayas	2025	9	4	23	91	153	153	20
Visayas	2025	9	4	24	85	153	153	20
Visayas	2025	9	5	1	81	153	153	20
Visayas	2025	9	5	2	77	153	153	20
Visayas	2025	9	5	3	75	153	153	20
Visayas	2025	9	5	4	73	153	153	20
Visayas	2025	9	5	5	75	153	153	20
Visayas	2025	9	5	6	78	153	153	20
Visayas	2025	9	5	7	75	153	153	20
Visayas	2025	9	5	8	88	153	153	20
Visayas	2025	9	5	9	106	153	153	20
Visayas	2025	9	5	10	111	153	153	20
Visayas	2025	9	5	11	116	153	153	20
Visayas	2025	9	5	12	113	153	153	20
Visayas	2025	9	5	13	113	153	153	20
Visayas	2025	9	5	14	119	153	153	20
Visayas	2025	9	5	15	119	153	153	20
Visayas	2025	9	5	16	118	153	153	20
Visayas	2025	9	5	17	109	153	153	20
Visayas	2025	9	5	18	111	153	153	20
Visayas	2025	9	5	19	113	153	153	20
Visayas	2025	9	5	20	108	153	153	20
Visayas	2025	9	5	21	105	153	153	20
Visayas	2025	9	5	22	98	153	153	20
Visayas	2025	9	5	23	92	153	153	20
Visayas	2025	9	5	24	86	153	153	20
Visayas	2025	9	6	1	82	153	153	20
Visayas	2025	9	6	2	78	153	153	20
Visayas	2025	9	6	3	75	153	153	20
Visayas	2025	9	6	4	74	153	153	20
Visayas	2025	9	6	5	73	153	153	20
Visayas	2025	9	6	6	74	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	6	7	73	153	153	20
Visayas	2025	9	6	8	80	153	153	20
Visayas	2025	9	6	9	91	153	153	20
Visayas	2025	9	6	10	96	153	153	20
Visayas	2025	9	6	11	100	153	153	20
Visayas	2025	9	6	12	99	153	153	20
Visayas	2025	9	6	13	103	153	153	20
Visayas	2025	9	6	14	107	153	153	20
Visayas	2025	9	6	15	106	153	153	20
Visayas	2025	9	6	16	103	153	153	20
Visayas	2025	9	6	17	100	153	153	20
Visayas	2025	9	6	18	105	153	153	20
Visayas	2025	9	6	19	110	153	153	20
Visayas	2025	9	6	20	106	153	153	20
Visayas	2025	9	6	21	103	153	153	20
Visayas	2025	9	6	22	97	153	153	20
Visayas	2025	9	6	23	90	153	153	20
Visayas	2025	9	6	24	84	153	153	20
Visayas	2025	9	7	1	81	153	153	20
Visayas	2025	9	7	2	77	153	153	20
Visayas	2025	9	7	3	74	153	153	20
Visayas	2025	9	7	4	72	153	153	20
Visayas	2025	9	7	5	70	153	153	20
Visayas	2025	9	7	6	69	153	153	20
Visayas	2025	9	7	7	68	153	153	20
Visayas	2025	9	7	8	72	153	153	20
Visayas	2025	9	7	9	78	153	153	20
Visayas	2025	9	7	10	85	153	153	20
Visayas	2025	9	7	11	88	153	153	20
Visayas	2025	9	7	12	91	153	153	20
Visayas	2025	9	7	13	92	153	153	20
Visayas	2025	9	7	14	90	153	153	20
Visayas	2025	9	7	15	94	153	153	20
Visayas	2025	9	7	16	92	153	153	20
Visayas	2025	9	7	17	90	153	153	20
Visayas	2025	9	7	18	100	153	153	20
Visayas	2025	9	7	19	105	153	153	20
Visayas	2025	9	7	20	102	153	153	20
Visayas	2025	9	7	21	99	153	153	20
Visayas	2025	9	7	22	94	153	153	20
Visayas	2025	9	7	23	85	153	153	20
Visayas	2025	9	7	24	81	153	153	20
Visayas	2025	9	8	1	76	153	153	20
Visayas	2025	9	8	2	72	153	153	20
Visayas	2025	9	8	3	69	153	153	20
Visayas	2025	9	8	4	68	153	153	20
Visayas	2025	9	8	5	71	153	153	20
Visayas	2025	9	8	6	77	153	153	20
Visayas	2025	9	8	7	70	153	153	20
Visayas	2025	9	8	8	84	153	153	20
Visayas	2025	9	8	9	100	153	153	20
Visayas	2025	9	8	10	109	153	153	20
Visayas	2025	9	8	11	113	153	153	20
Visayas	2025	9	8	12	111	153	153	20
Visayas	2025	9	8	13	112	153	153	20
Visayas	2025	9	8	14	118	153	153	20
Visayas	2025	9	8	15	119	153	153	20
Visayas	2025	9	8	16	111	153	153	20
Visayas	2025	9	8	17	106	153	153	20
Visayas	2025	9	8	18	108	153	153	20
Visayas	2025	9	8	19	105	153	153	20
Visayas	2025	9	8	20	102	153	153	20
Visayas	2025	9	8	21	97	153	153	20
Visayas	2025	9	8	22	90	153	153	20
Visayas	2025	9	8	23	84	153	153	20
Visayas	2025	9	8	24	79	153	153	20
Visayas	2025	9	9	1	76	153	153	20
Visayas	2025	9	9	2	72	153	153	20
Visayas	2025	9	9	3	69	153	153	20
Visayas	2025	9	9	4	68	153	153	20
Visayas	2025	9	9	5	71	153	153	20
Visayas	2025	9	9	6	76	153	153	20
Visayas	2025	9	9	7	70	153	153	20
Visayas	2025	9	9	8	83	153	153	20
Visayas	2025	9	9	9	100	153	153	20
Visayas	2025	9	9	10	110	153	153	20
Visayas	2025	9	9	11	109	153	153	20
Visayas	2025	9	9	12	108	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	9	13	110	153	153	20
Visayas	2025	9	9	14	116	153	153	20
Visayas	2025	9	9	15	114	153	153	20
Visayas	2025	9	9	16	112	153	153	20
Visayas	2025	9	9	17	105	153	153	20
Visayas	2025	9	9	18	106	153	153	20
Visayas	2025	9	9	19	106	153	153	20
Visayas	2025	9	9	20	102	153	153	20
Visayas	2025	9	9	21	98	153	153	20
Visayas	2025	9	9	22	88	153	153	20
Visayas	2025	9	9	23	81	153	153	20
Visayas	2025	9	9	24	78	153	153	20
Visayas	2025	9	10	1	74	153	153	20
Visayas	2025	9	10	2	71	153	153	20
Visayas	2025	9	10	3	67	153	153	20
Visayas	2025	9	10	4	66	153	153	20
Visayas	2025	9	10	5	69	153	153	20
Visayas	2025	9	10	6	76	153	153	20
Visayas	2025	9	10	7	70	153	153	20
Visayas	2025	9	10	8	84	153	153	20
Visayas	2025	9	10	9	100	153	153	20
Visayas	2025	9	10	10	109	153	153	20
Visayas	2025	9	10	11	115	153	153	20
Visayas	2025	9	10	12	110	153	153	20
Visayas	2025	9	10	13	112	153	153	20
Visayas	2025	9	10	14	119	153	153	20
Visayas	2025	9	10	15	117	153	153	20
Visayas	2025	9	10	16	115	153	153	20
Visayas	2025	9	10	17	106	153	153	20
Visayas	2025	9	10	18	108	153	153	20
Visayas	2025	9	10	19	110	153	153	20
Visayas	2025	9	10	20	107	153	153	20
Visayas	2025	9	10	21	103	153	153	20
Visayas	2025	9	10	22	97	153	153	20
Visayas	2025	9	10	23	90	153	153	20
Visayas	2025	9	10	24	85	153	153	20
Visayas	2025	9	11	1	80	153	153	20
Visayas	2025	9	11	2	77	153	153	20
Visayas	2025	9	11	3	74	153	153	20
Visayas	2025	9	11	4	72	153	153	20
Visayas	2025	9	11	5	75	153	153	20
Visayas	2025	9	11	6	78	153	153	20
Visayas	2025	9	11	7	74	153	153	20
Visayas	2025	9	11	8	91	153	153	20
Visayas	2025	9	11	9	105	153	153	20
Visayas	2025	9	11	10	114	153	153	20
Visayas	2025	9	11	11	118	153	153	20
Visayas	2025	9	11	12	114	153	153	20
Visayas	2025	9	11	13	115	153	153	20
Visayas	2025	9	11	14	119	153	153	20
Visayas	2025	9	11	15	117	153	153	20
Visayas	2025	9	11	16	111	153	153	20
Visayas	2025	9	11	17	102	153	153	20
Visayas	2025	9	11	18	109	153	153	20
Visayas	2025	9	11	19	108	153	153	20
Visayas	2025	9	11	20	104	153	153	20
Visayas	2025	9	11	21	99	153	153	20
Visayas	2025	9	11	22	92	153	153	20
Visayas	2025	9	11	23	87	153	153	20
Visayas	2025	9	11	24	82	153	153	20
Visayas	2025	9	12	1	77	153	153	20
Visayas	2025	9	12	2	75	153	153	20
Visayas	2025	9	12	3	72	153	153	20
Visayas	2025	9	12	4	70	153	153	20
Visayas	2025	9	12	5	72	153	153	20
Visayas	2025	9	12	6	74	153	153	20
Visayas	2025	9	12	7	72	153	153	20
Visayas	2025	9	12	8	82	153	153	20
Visayas	2025	9	12	9	96	153	153	20
Visayas	2025	9	12	10	103	153	153	20
Visayas	2025	9	12	11	108	153	153	20
Visayas	2025	9	12	12	107	153	153	20
Visayas	2025	9	12	13	105	153	153	20
Visayas	2025	9	12	14	104	153	153	20
Visayas	2025	9	12	15	101	153	153	20
Visayas	2025	9	12	16	100	153	153	20
Visayas	2025	9	12	17	96	153	153	20
Visayas	2025	9	12	18	101	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	12	19	100	153	153	20
Visayas	2025	9	12	20	97	153	153	20
Visayas	2025	9	12	21	93	153	153	20
Visayas	2025	9	12	22	87	153	153	20
Visayas	2025	9	12	23	81	153	153	20
Visayas	2025	9	12	24	77	153	153	20
Visayas	2025	9	13	1	72	153	153	20
Visayas	2025	9	13	2	70	153	153	20
Visayas	2025	9	13	3	67	153	153	20
Visayas	2025	9	13	4	66	153	153	20
Visayas	2025	9	13	5	66	153	153	20
Visayas	2025	9	13	6	66	153	153	20
Visayas	2025	9	13	7	67	153	153	20
Visayas	2025	9	13	8	75	153	153	20
Visayas	2025	9	13	9	85	153	153	20
Visayas	2025	9	13	10	93	153	153	20
Visayas	2025	9	13	11	99	153	153	20
Visayas	2025	9	13	12	94	153	153	20
Visayas	2025	9	13	13	95	153	153	20
Visayas	2025	9	13	14	103	153	153	20
Visayas	2025	9	13	15	100	153	153	20
Visayas	2025	9	13	16	97	153	153	20
Visayas	2025	9	13	17	94	153	153	20
Visayas	2025	9	13	18	100	153	153	20
Visayas	2025	9	13	19	101	153	153	20
Visayas	2025	9	13	20	96	153	153	20
Visayas	2025	9	13	21	94	153	153	20
Visayas	2025	9	13	22	88	153	153	20
Visayas	2025	9	13	23	82	153	153	20
Visayas	2025	9	13	24	78	153	153	20
Visayas	2025	9	14	1	73	153	153	20
Visayas	2025	9	14	2	71	153	153	20
Visayas	2025	9	14	3	67	153	153	20
Visayas	2025	9	14	4	65	153	153	20
Visayas	2025	9	14	5	65	153	153	20
Visayas	2025	9	14	6	65	153	153	20
Visayas	2025	9	14	7	65	153	153	20
Visayas	2025	9	14	8	69	153	153	20
Visayas	2025	9	14	9	77	153	153	20
Visayas	2025	9	14	10	83	153	153	20
Visayas	2025	9	14	11	88	153	153	20
Visayas	2025	9	14	12	87	153	153	20
Visayas	2025	9	14	13	89	153	153	20
Visayas	2025	9	14	14	90	153	153	20
Visayas	2025	9	14	15	90	153	153	20
Visayas	2025	9	14	16	88	153	153	20
Visayas	2025	9	14	17	86	153	153	20
Visayas	2025	9	14	18	97	153	153	20
Visayas	2025	9	14	19	103	153	153	20
Visayas	2025	9	14	20	100	153	153	20
Visayas	2025	9	14	21	97	153	153	20
Visayas	2025	9	14	22	92	153	153	20
Visayas	2025	9	14	23	86	153	153	20
Visayas	2025	9	14	24	81	153	153	20
Visayas	2025	9	15	1	77	153	153	20
Visayas	2025	9	15	2	72	153	153	20
Visayas	2025	9	15	3	70	153	153	20
Visayas	2025	9	15	4	67	153	153	20
Visayas	2025	9	15	5	73	153	153	20
Visayas	2025	9	15	6	75	153	153	20
Visayas	2025	9	15	7	72	153	153	20
Visayas	2025	9	15	8	88	153	153	20
Visayas	2025	9	15	9	106	153	153	20
Visayas	2025	9	15	10	114	153	153	20
Visayas	2025	9	15	11	117	153	153	20
Visayas	2025	9	15	12	116	153	153	20
Visayas	2025	9	15	13	118	153	153	20
Visayas	2025	9	15	14	123	153	153	20
Visayas	2025	9	15	15	122	153	153	20
Visayas	2025	9	15	16	120	153	153	20
Visayas	2025	9	15	17	113	153	153	20
Visayas	2025	9	15	18	114	153	153	20
Visayas	2025	9	15	19	115	153	153	20
Visayas	2025	9	15	20	111	153	153	20
Visayas	2025	9	15	21	108	153	153	20
Visayas	2025	9	15	22	101	153	153	20
Visayas	2025	9	15	23	94	153	153	20
Visayas	2025	9	15	24	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	16	1	83	153	153	20
Visayas	2025	9	16	2	78	153	153	20
Visayas	2025	9	16	3	76	153	153	20
Visayas	2025	9	16	4	75	153	153	20
Visayas	2025	9	16	5	77	153	153	20
Visayas	2025	9	16	6	81	153	153	20
Visayas	2025	9	16	7	75	153	153	20
Visayas	2025	9	16	8	91	153	153	20
Visayas	2025	9	16	9	108	153	153	20
Visayas	2025	9	16	10	116	153	153	20
Visayas	2025	9	16	11	120	153	153	20
Visayas	2025	9	16	12	117	153	153	20
Visayas	2025	9	16	13	118	153	153	20
Visayas	2025	9	16	14	124	153	153	20
Visayas	2025	9	16	15	122	153	153	20
Visayas	2025	9	16	16	119	153	153	20
Visayas	2025	9	16	17	111	153	153	20
Visayas	2025	9	16	18	114	153	153	20
Visayas	2025	9	16	19	113	153	153	20
Visayas	2025	9	16	20	109	153	153	20
Visayas	2025	9	16	21	106	153	153	20
Visayas	2025	9	16	22	99	153	153	20
Visayas	2025	9	16	23	91	153	153	20
Visayas	2025	9	16	24	85	153	153	20
Visayas	2025	9	17	1	82	153	153	20
Visayas	2025	9	17	2	79	153	153	20
Visayas	2025	9	17	3	76	153	153	20
Visayas	2025	9	17	4	75	153	153	20
Visayas	2025	9	17	5	77	153	153	20
Visayas	2025	9	17	6	80	153	153	20
Visayas	2025	9	17	7	75	153	153	20
Visayas	2025	9	17	8	92	153	153	20
Visayas	2025	9	17	9	108	153	153	20
Visayas	2025	9	17	10	118	153	153	20
Visayas	2025	9	17	11	120	153	153	20
Visayas	2025	9	17	12	118	153	153	20
Visayas	2025	9	17	13	118	153	153	20
Visayas	2025	9	17	14	124	153	153	20
Visayas	2025	9	17	15	124	153	153	20
Visayas	2025	9	17	16	119	153	153	20
Visayas	2025	9	17	17	111	153	153	20
Visayas	2025	9	17	18	113	153	153	20
Visayas	2025	9	17	19	111	153	153	20
Visayas	2025	9	17	20	106	153	153	20
Visayas	2025	9	17	21	103	153	153	20
Visayas	2025	9	17	22	98	153	153	20
Visayas	2025	9	17	23	90	153	153	20
Visayas	2025	9	17	24	86	153	153	20
Visayas	2025	9	18	1	81	153	153	20
Visayas	2025	9	18	2	78	153	153	20
Visayas	2025	9	18	3	75	153	153	20
Visayas	2025	9	18	4	74	153	153	20
Visayas	2025	9	18	5	76	153	153	20
Visayas	2025	9	18	6	79	153	153	20
Visayas	2025	9	18	7	77	153	153	20
Visayas	2025	9	18	8	88	153	153	20
Visayas	2025	9	18	9	105	153	153	20
Visayas	2025	9	18	10	115	153	153	20
Visayas	2025	9	18	11	116	153	153	20
Visayas	2025	9	18	12	111	153	153	20
Visayas	2025	9	18	13	112	153	153	20
Visayas	2025	9	18	14	118	153	153	20
Visayas	2025	9	18	15	116	153	153	20
Visayas	2025	9	18	16	114	153	153	20
Visayas	2025	9	18	17	105	153	153	20
Visayas	2025	9	18	18	106	153	153	20
Visayas	2025	9	18	19	107	153	153	20
Visayas	2025	9	18	20	101	153	153	20
Visayas	2025	9	18	21	96	153	153	20
Visayas	2025	9	18	22	90	153	153	20
Visayas	2025	9	18	23	85	153	153	20
Visayas	2025	9	18	24	79	153	153	20
Visayas	2025	9	19	1	76	153	153	20
Visayas	2025	9	19	2	71	153	153	20
Visayas	2025	9	19	3	69	153	153	20
Visayas	2025	9	19	4	67	153	153	20
Visayas	2025	9	19	5	69	153	153	20
Visayas	2025	9	19	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	19	7	73	153	153	20
Visayas	2025	9	19	8	83	153	153	20
Visayas	2025	9	19	9	94	153	153	20
Visayas	2025	9	19	10	102	153	153	20
Visayas	2025	9	19	11	109	153	153	20
Visayas	2025	9	19	12	103	153	153	20
Visayas	2025	9	19	13	102	153	153	20
Visayas	2025	9	19	14	111	153	153	20
Visayas	2025	9	19	15	106	153	153	20
Visayas	2025	9	19	16	105	153	153	20
Visayas	2025	9	19	17	99	153	153	20
Visayas	2025	9	19	18	105	153	153	20
Visayas	2025	9	19	19	98	153	153	20
Visayas	2025	9	19	20	97	153	153	20
Visayas	2025	9	19	21	93	153	153	20
Visayas	2025	9	19	22	87	153	153	20
Visayas	2025	9	19	23	83	153	153	20
Visayas	2025	9	19	24	78	153	153	20
Visayas	2025	9	20	1	75	153	153	20
Visayas	2025	9	20	2	72	153	153	20
Visayas	2025	9	20	3	68	153	153	20
Visayas	2025	9	20	4	64	153	153	20
Visayas	2025	9	20	5	64	153	153	20
Visayas	2025	9	20	6	66	153	153	20
Visayas	2025	9	20	7	65	153	153	20
Visayas	2025	9	20	8	75	153	153	20
Visayas	2025	9	20	9	90	153	153	20
Visayas	2025	9	20	10	95	153	153	20
Visayas	2025	9	20	11	101	153	153	20
Visayas	2025	9	20	12	99	153	153	20
Visayas	2025	9	20	13	101	153	153	20
Visayas	2025	9	20	14	104	153	153	20
Visayas	2025	9	20	15	102	153	153	20
Visayas	2025	9	20	16	100	153	153	20
Visayas	2025	9	20	17	95	153	153	20
Visayas	2025	9	20	18	103	153	153	20
Visayas	2025	9	20	19	106	153	153	20
Visayas	2025	9	20	20	102	153	153	20
Visayas	2025	9	20	21	99	153	153	20
Visayas	2025	9	20	22	92	153	153	20
Visayas	2025	9	20	23	87	153	153	20
Visayas	2025	9	20	24	83	153	153	20
Visayas	2025	9	21	1	79	153	153	20
Visayas	2025	9	21	2	75	153	153	20
Visayas	2025	9	21	3	72	153	153	20
Visayas	2025	9	21	4	69	153	153	20
Visayas	2025	9	21	5	69	153	153	20
Visayas	2025	9	21	6	69	153	153	20
Visayas	2025	9	21	7	65	153	153	20
Visayas	2025	9	21	8	69	153	153	20
Visayas	2025	9	21	9	76	153	153	20
Visayas	2025	9	21	10	81	153	153	20
Visayas	2025	9	21	11	84	153	153	20
Visayas	2025	9	21	12	85	153	153	20
Visayas	2025	9	21	13	87	153	153	20
Visayas	2025	9	21	14	88	153	153	20
Visayas	2025	9	21	15	87	153	153	20
Visayas	2025	9	21	16	88	153	153	20
Visayas	2025	9	21	17	85	153	153	20
Visayas	2025	9	21	18	100	153	153	20
Visayas	2025	9	21	19	100	153	153	20
Visayas	2025	9	21	20	98	153	153	20
Visayas	2025	9	21	21	96	153	153	20
Visayas	2025	9	21	22	92	153	153	20
Visayas	2025	9	21	23	86	153	153	20
Visayas	2025	9	21	24	82	153	153	20
Visayas	2025	9	22	1	76	153	153	20
Visayas	2025	9	22	2	73	153	153	20
Visayas	2025	9	22	3	70	153	153	20
Visayas	2025	9	22	4	68	153	153	20
Visayas	2025	9	22	5	72	153	153	20
Visayas	2025	9	22	6	77	153	153	20
Visayas	2025	9	22	7	72	153	153	20
Visayas	2025	9	22	8	87	153	153	20
Visayas	2025	9	22	9	104	153	153	20
Visayas	2025	9	22	10	113	153	153	20
Visayas	2025	9	22	11	118	153	153	20
Visayas	2025	9	22	12	114	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	22	13	118	153	153	20
Visayas	2025	9	22	14	121	153	153	20
Visayas	2025	9	22	15	120	153	153	20
Visayas	2025	9	22	16	114	153	153	20
Visayas	2025	9	22	17	109	153	153	20
Visayas	2025	9	22	18	114	153	153	20
Visayas	2025	9	22	19	112	153	153	20
Visayas	2025	9	22	20	108	153	153	20
Visayas	2025	9	22	21	102	153	153	20
Visayas	2025	9	22	22	98	153	153	20
Visayas	2025	9	22	23	90	153	153	20
Visayas	2025	9	22	24	85	153	153	20
Visayas	2025	9	23	1	81	153	153	20
Visayas	2025	9	23	2	76	153	153	20
Visayas	2025	9	23	3	74	153	153	20
Visayas	2025	9	23	4	73	153	153	20
Visayas	2025	9	23	5	76	153	153	20
Visayas	2025	9	23	6	78	153	153	20
Visayas	2025	9	23	7	75	153	153	20
Visayas	2025	9	23	8	89	153	153	20
Visayas	2025	9	23	9	105	153	153	20
Visayas	2025	9	23	10	114	153	153	20
Visayas	2025	9	23	11	119	153	153	20
Visayas	2025	9	23	12	116	153	153	20
Visayas	2025	9	23	13	118	153	153	20
Visayas	2025	9	23	14	124	153	153	20
Visayas	2025	9	23	15	122	153	153	20
Visayas	2025	9	23	16	119	153	153	20
Visayas	2025	9	23	17	111	153	153	20
Visayas	2025	9	23	18	115	153	153	20
Visayas	2025	9	23	19	112	153	153	20
Visayas	2025	9	23	20	108	153	153	20
Visayas	2025	9	23	21	105	153	153	20
Visayas	2025	9	23	22	96	153	153	20
Visayas	2025	9	23	23	90	153	153	20
Visayas	2025	9	23	24	84	153	153	20
Visayas	2025	9	24	1	80	153	153	20
Visayas	2025	9	24	2	76	153	153	20
Visayas	2025	9	24	3	74	153	153	20
Visayas	2025	9	24	4	72	153	153	20
Visayas	2025	9	24	5	75	153	153	20
Visayas	2025	9	24	6	78	153	153	20
Visayas	2025	9	24	7	73	153	153	20
Visayas	2025	9	24	8	87	153	153	20
Visayas	2025	9	24	9	103	153	153	20
Visayas	2025	9	24	10	112	153	153	20
Visayas	2025	9	24	11	117	153	153	20
Visayas	2025	9	24	12	113	153	153	20
Visayas	2025	9	24	13	115	153	153	20
Visayas	2025	9	24	14	120	153	153	20
Visayas	2025	9	24	15	118	153	153	20
Visayas	2025	9	24	16	117	153	153	20
Visayas	2025	9	24	17	109	153	153	20
Visayas	2025	9	24	18	114	153	153	20
Visayas	2025	9	24	19	108	153	153	20
Visayas	2025	9	24	20	104	153	153	20
Visayas	2025	9	24	21	101	153	153	20
Visayas	2025	9	24	22	93	153	153	20
Visayas	2025	9	24	23	87	153	153	20
Visayas	2025	9	24	24	81	153	153	20
Visayas	2025	9	25	1	77	153	153	20
Visayas	2025	9	25	2	74	153	153	20
Visayas	2025	9	25	3	71	153	153	20
Visayas	2025	9	25	4	69	153	153	20
Visayas	2025	9	25	5	72	153	153	20
Visayas	2025	9	25	6	75	153	153	20
Visayas	2025	9	25	7	72	153	153	20
Visayas	2025	9	25	8	86	153	153	20
Visayas	2025	9	25	9	103	153	153	20
Visayas	2025	9	25	10	111	153	153	20
Visayas	2025	9	25	11	116	153	153	20
Visayas	2025	9	25	12	113	153	153	20
Visayas	2025	9	25	13	115	153	153	20
Visayas	2025	9	25	14	120	153	153	20
Visayas	2025	9	25	15	119	153	153	20
Visayas	2025	9	25	16	115	153	153	20
Visayas	2025	9	25	17	109	153	153	20
Visayas	2025	9	25	18	112	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	25	19	110	153	153	20
Visayas	2025	9	25	20	106	153	153	20
Visayas	2025	9	25	21	102	153	153	20
Visayas	2025	9	25	22	95	153	153	20
Visayas	2025	9	25	23	88	153	153	20
Visayas	2025	9	25	24	83	153	153	20
Visayas	2025	9	26	1	80	153	153	20
Visayas	2025	9	26	2	76	153	153	20
Visayas	2025	9	26	3	71	153	153	20
Visayas	2025	9	26	4	70	153	153	20
Visayas	2025	9	26	5	72	153	153	20
Visayas	2025	9	26	6	75	153	153	20
Visayas	2025	9	26	7	73	153	153	20
Visayas	2025	9	26	8	87	153	153	20
Visayas	2025	9	26	9	103	153	153	20
Visayas	2025	9	26	10	112	153	153	20
Visayas	2025	9	26	11	117	153	153	20
Visayas	2025	9	26	12	114	153	153	20
Visayas	2025	9	26	13	113	153	153	20
Visayas	2025	9	26	14	117	153	153	20
Visayas	2025	9	26	15	115	153	153	20
Visayas	2025	9	26	16	109	153	153	20
Visayas	2025	9	26	17	105	153	153	20
Visayas	2025	9	26	18	107	153	153	20
Visayas	2025	9	26	19	103	153	153	20
Visayas	2025	9	26	20	100	153	153	20
Visayas	2025	9	26	21	94	153	153	20
Visayas	2025	9	26	22	88	153	153	20
Visayas	2025	9	26	23	80	153	153	20
Visayas	2025	9	26	24	75	153	153	20
Visayas	2025	9	27	1	74	153	153	20
Visayas	2025	9	27	2	71	153	153	20
Visayas	2025	9	27	3	69	153	153	20
Visayas	2025	9	27	4	67	153	153	20
Visayas	2025	9	27	5	67	153	153	20
Visayas	2025	9	27	6	69	153	153	20
Visayas	2025	9	27	7	70	153	153	20
Visayas	2025	9	27	8	78	153	153	20
Visayas	2025	9	27	9	89	153	153	20
Visayas	2025	9	27	10	96	153	153	20
Visayas	2025	9	27	11	101	153	153	20
Visayas	2025	9	27	12	98	153	153	20
Visayas	2025	9	27	13	97	153	153	20
Visayas	2025	9	27	14	100	153	153	20
Visayas	2025	9	27	15	96	153	153	20
Visayas	2025	9	27	16	93	153	153	20
Visayas	2025	9	27	17	92	153	153	20
Visayas	2025	9	27	18	100	153	153	20
Visayas	2025	9	27	19	96	153	153	20
Visayas	2025	9	27	20	91	153	153	20
Visayas	2025	9	27	21	87	153	153	20
Visayas	2025	9	27	22	82	153	153	20
Visayas	2025	9	27	23	77	153	153	20
Visayas	2025	9	27	24	73	153	153	20
Visayas	2025	9	28	1	68	153	153	20
Visayas	2025	9	28	2	65	153	153	20
Visayas	2025	9	28	3	64	153	153	20
Visayas	2025	9	28	4	63	153	153	20
Visayas	2025	9	28	5	63	153	153	20
Visayas	2025	9	28	6	63	153	153	20
Visayas	2025	9	28	7	60	153	153	20
Visayas	2025	9	28	8	63	153	153	20
Visayas	2025	9	28	9	69	153	153	20
Visayas	2025	9	28	10	75	153	153	20
Visayas	2025	9	28	11	79	153	153	20
Visayas	2025	9	28	12	79	153	153	20
Visayas	2025	9	28	13	78	153	153	20
Visayas	2025	9	28	14	77	153	153	20
Visayas	2025	9	28	15	77	153	153	20
Visayas	2025	9	28	16	76	153	153	20
Visayas	2025	9	28	17	78	153	153	20
Visayas	2025	9	28	18	90	153	153	20
Visayas	2025	9	28	19	89	153	153	20
Visayas	2025	9	28	20	85	153	153	20
Visayas	2025	9	28	21	81	153	153	20
Visayas	2025	9	28	22	76	153	153	20
Visayas	2025	9	28	23	70	153	153	20
Visayas	2025	9	28	24	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	9	29	1	64	153	153	20
Visayas	2025	9	29	2	61	153	153	20
Visayas	2025	9	29	3	60	153	153	20
Visayas	2025	9	29	4	61	153	153	20
Visayas	2025	9	29	5	63	153	153	20
Visayas	2025	9	29	6	68	153	153	20
Visayas	2025	9	29	7	65	153	153	20
Visayas	2025	9	29	8	78	153	153	20
Visayas	2025	9	29	9	91	153	153	20
Visayas	2025	9	29	10	99	153	153	20
Visayas	2025	9	29	11	105	153	153	20
Visayas	2025	9	29	12	102	153	153	20
Visayas	2025	9	29	13	103	153	153	20
Visayas	2025	9	29	14	111	153	153	20
Visayas	2025	9	29	15	109	153	153	20
Visayas	2025	9	29	16	104	153	153	20
Visayas	2025	9	29	17	101	153	153	20
Visayas	2025	9	29	18	108	153	153	20
Visayas	2025	9	29	19	103	153	153	20
Visayas	2025	9	29	20	96	153	153	20
Visayas	2025	9	29	21	90	153	153	20
Visayas	2025	9	29	22	83	153	153	20
Visayas	2025	9	29	23	77	153	153	20
Visayas	2025	9	29	24	73	153	153	20
Visayas	2025	9	30	1	69	153	153	20
Visayas	2025	9	30	2	66	153	153	20
Visayas	2025	9	30	3	64	153	153	20
Visayas	2025	9	30	4	63	153	153	20
Visayas	2025	9	30	5	66	153	153	20
Visayas	2025	9	30	6	72	153	153	20
Visayas	2025	9	30	7	68	153	153	20
Visayas	2025	9	30	8	81	153	153	20
Visayas	2025	9	30	9	97	153	153	20
Visayas	2025	9	30	10	105	153	153	20
Visayas	2025	9	30	11	110	153	153	20
Visayas	2025	9	30	12	108	153	153	20
Visayas	2025	9	30	13	108	153	153	20
Visayas	2025	9	30	14	114	153	153	20
Visayas	2025	9	30	15	113	153	153	20
Visayas	2025	9	30	16	109	153	153	20
Visayas	2025	9	30	17	101	153	153	20
Visayas	2025	9	30	18	110	153	153	20
Visayas	2025	9	30	19	104	153	153	20
Visayas	2025	9	30	20	98	153	153	20
Visayas	2025	9	30	21	94	153	153	20
Visayas	2025	9	30	22	87	153	153	20
Visayas	2025	9	30	23	81	153	153	20
Visayas	2025	9	30	24	76	153	153	20
Visayas	2025	10	1	1	72	153	153	20
Visayas	2025	10	1	2	68	153	153	20
Visayas	2025	10	1	3	67	153	153	20
Visayas	2025	10	1	4	65	153	153	20
Visayas	2025	10	1	5	69	153	153	20
Visayas	2025	10	1	6	74	153	153	20
Visayas	2025	10	1	7	71	153	153	20
Visayas	2025	10	1	8	81	153	153	20
Visayas	2025	10	1	9	96	153	153	20
Visayas	2025	10	1	10	106	153	153	20
Visayas	2025	10	1	11	106	153	153	20
Visayas	2025	10	1	12	101	153	153	20
Visayas	2025	10	1	13	102	153	153	20
Visayas	2025	10	1	14	106	153	153	20
Visayas	2025	10	1	15	104	153	153	20
Visayas	2025	10	1	16	105	153	153	20
Visayas	2025	10	1	17	99	153	153	20
Visayas	2025	10	1	18	105	153	153	20
Visayas	2025	10	1	19	100	153	153	20
Visayas	2025	10	1	20	96	153	153	20
Visayas	2025	10	1	21	91	153	153	20
Visayas	2025	10	1	22	85	153	153	20
Visayas	2025	10	1	23	79	153	153	20
Visayas	2025	10	1	24	74	153	153	20
Visayas	2025	10	2	1	70	153	153	20
Visayas	2025	10	2	2	67	153	153	20
Visayas	2025	10	2	3	65	153	153	20
Visayas	2025	10	2	4	64	153	153	20
Visayas	2025	10	2	5	67	153	153	20
Visayas	2025	10	2	6	71	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	2	7	69	153	153	20
Visayas	2025	10	2	8	80	153	153	20
Visayas	2025	10	2	9	98	153	153	20
Visayas	2025	10	2	10	106	153	153	20
Visayas	2025	10	2	11	110	153	153	20
Visayas	2025	10	2	12	106	153	153	20
Visayas	2025	10	2	13	108	153	153	20
Visayas	2025	10	2	14	114	153	153	20
Visayas	2025	10	2	15	109	153	153	20
Visayas	2025	10	2	16	103	153	153	20
Visayas	2025	10	2	17	100	153	153	20
Visayas	2025	10	2	18	102	153	153	20
Visayas	2025	10	2	19	98	153	153	20
Visayas	2025	10	2	20	93	153	153	20
Visayas	2025	10	2	21	89	153	153	20
Visayas	2025	10	2	22	83	153	153	20
Visayas	2025	10	2	23	78	153	153	20
Visayas	2025	10	2	24	72	153	153	20
Visayas	2025	10	3	1	67	153	153	20
Visayas	2025	10	3	2	66	153	153	20
Visayas	2025	10	3	3	64	153	153	20
Visayas	2025	10	3	4	64	153	153	20
Visayas	2025	10	3	5	65	153	153	20
Visayas	2025	10	3	6	69	153	153	20
Visayas	2025	10	3	7	67	153	153	20
Visayas	2025	10	3	8	77	153	153	20
Visayas	2025	10	3	9	92	153	153	20
Visayas	2025	10	3	10	98	153	153	20
Visayas	2025	10	3	11	101	153	153	20
Visayas	2025	10	3	12	100	153	153	20
Visayas	2025	10	3	13	99	153	153	20
Visayas	2025	10	3	14	105	153	153	20
Visayas	2025	10	3	15	105	153	153	20
Visayas	2025	10	3	16	101	153	153	20
Visayas	2025	10	3	17	95	153	153	20
Visayas	2025	10	3	18	103	153	153	20
Visayas	2025	10	3	19	100	153	153	20
Visayas	2025	10	3	20	94	153	153	20
Visayas	2025	10	3	21	90	153	153	20
Visayas	2025	10	3	22	84	153	153	20
Visayas	2025	10	3	23	78	153	153	20
Visayas	2025	10	3	24	74	153	153	20
Visayas	2025	10	4	1	70	153	153	20
Visayas	2025	10	4	2	67	153	153	20
Visayas	2025	10	4	3	64	153	153	20
Visayas	2025	10	4	4	63	153	153	20
Visayas	2025	10	4	5	64	153	153	20
Visayas	2025	10	4	6	64	153	153	20
Visayas	2025	10	4	7	64	153	153	20
Visayas	2025	10	4	8	67	153	153	20
Visayas	2025	10	4	9	77	153	153	20
Visayas	2025	10	4	10	85	153	153	20
Visayas	2025	10	4	11	92	153	153	20
Visayas	2025	10	4	12	91	153	153	20
Visayas	2025	10	4	13	90	153	153	20
Visayas	2025	10	4	14	94	153	153	20
Visayas	2025	10	4	15	94	153	153	20
Visayas	2025	10	4	16	93	153	153	20
Visayas	2025	10	4	17	88	153	153	20
Visayas	2025	10	4	18	99	153	153	20
Visayas	2025	10	4	19	97	153	153	20
Visayas	2025	10	4	20	91	153	153	20
Visayas	2025	10	4	21	89	153	153	20
Visayas	2025	10	4	22	82	153	153	20
Visayas	2025	10	4	23	77	153	153	20
Visayas	2025	10	4	24	73	153	153	20
Visayas	2025	10	5	1	69	153	153	20
Visayas	2025	10	5	2	65	153	153	20
Visayas	2025	10	5	3	63	153	153	20
Visayas	2025	10	5	4	62	153	153	20
Visayas	2025	10	5	5	62	153	153	20
Visayas	2025	10	5	6	62	153	153	20
Visayas	2025	10	5	7	62	153	153	20
Visayas	2025	10	5	8	67	153	153	20
Visayas	2025	10	5	9	74	153	153	20
Visayas	2025	10	5	10	79	153	153	20
Visayas	2025	10	5	11	83	153	153	20
Visayas	2025	10	5	12	83	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	5	13	85	153	153	20
Visayas	2025	10	5	14	85	153	153	20
Visayas	2025	10	5	15	86	153	153	20
Visayas	2025	10	5	16	83	153	153	20
Visayas	2025	10	5	17	82	153	153	20
Visayas	2025	10	5	18	95	153	153	20
Visayas	2025	10	5	19	96	153	153	20
Visayas	2025	10	5	20	94	153	153	20
Visayas	2025	10	5	21	91	153	153	20
Visayas	2025	10	5	22	86	153	153	20
Visayas	2025	10	5	23	80	153	153	20
Visayas	2025	10	5	24	76	153	153	20
Visayas	2025	10	6	1	71	153	153	20
Visayas	2025	10	6	2	68	153	153	20
Visayas	2025	10	6	3	65	153	153	20
Visayas	2025	10	6	4	65	153	153	20
Visayas	2025	10	6	5	68	153	153	20
Visayas	2025	10	6	6	72	153	153	20
Visayas	2025	10	6	7	69	153	153	20
Visayas	2025	10	6	8	85	153	153	20
Visayas	2025	10	6	9	102	153	153	20
Visayas	2025	10	6	10	110	153	153	20
Visayas	2025	10	6	11	113	153	153	20
Visayas	2025	10	6	12	109	153	153	20
Visayas	2025	10	6	13	113	153	153	20
Visayas	2025	10	6	14	113	153	153	20
Visayas	2025	10	6	15	109	153	153	20
Visayas	2025	10	6	16	105	153	153	20
Visayas	2025	10	6	17	102	153	153	20
Visayas	2025	10	6	18	110	153	153	20
Visayas	2025	10	6	19	104	153	153	20
Visayas	2025	10	6	20	99	153	153	20
Visayas	2025	10	6	21	94	153	153	20
Visayas	2025	10	6	22	86	153	153	20
Visayas	2025	10	6	23	81	153	153	20
Visayas	2025	10	6	24	76	153	153	20
Visayas	2025	10	7	1	72	153	153	20
Visayas	2025	10	7	2	68	153	153	20
Visayas	2025	10	7	3	66	153	153	20
Visayas	2025	10	7	4	65	153	153	20
Visayas	2025	10	7	5	69	153	153	20
Visayas	2025	10	7	6	74	153	153	20
Visayas	2025	10	7	7	69	153	153	20
Visayas	2025	10	7	8	84	153	153	20
Visayas	2025	10	7	9	99	153	153	20
Visayas	2025	10	7	10	109	153	153	20
Visayas	2025	10	7	11	115	153	153	20
Visayas	2025	10	7	12	109	153	153	20
Visayas	2025	10	7	13	110	153	153	20
Visayas	2025	10	7	14	114	153	153	20
Visayas	2025	10	7	15	112	153	153	20
Visayas	2025	10	7	16	109	153	153	20
Visayas	2025	10	7	17	103	153	153	20
Visayas	2025	10	7	18	110	153	153	20
Visayas	2025	10	7	19	105	153	153	20
Visayas	2025	10	7	20	102	153	153	20
Visayas	2025	10	7	21	96	153	153	20
Visayas	2025	10	7	22	90	153	153	20
Visayas	2025	10	7	23	84	153	153	20
Visayas	2025	10	7	24	78	153	153	20
Visayas	2025	10	8	1	76	153	153	20
Visayas	2025	10	8	2	72	153	153	20
Visayas	2025	10	8	3	69	153	153	20
Visayas	2025	10	8	4	68	153	153	20
Visayas	2025	10	8	5	71	153	153	20
Visayas	2025	10	8	6	75	153	153	20
Visayas	2025	10	8	7	71	153	153	20
Visayas	2025	10	8	8	85	153	153	20
Visayas	2025	10	8	9	101	153	153	20
Visayas	2025	10	8	10	109	153	153	20
Visayas	2025	10	8	11	114	153	153	20
Visayas	2025	10	8	12	111	153	153	20
Visayas	2025	10	8	13	109	153	153	20
Visayas	2025	10	8	14	113	153	153	20
Visayas	2025	10	8	15	109	153	153	20
Visayas	2025	10	8	16	110	153	153	20
Visayas	2025	10	8	17	105	153	153	20
Visayas	2025	10	8	18	110	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	8	19	104	153	153	20
Visayas	2025	10	8	20	100	153	153	20
Visayas	2025	10	8	21	94	153	153	20
Visayas	2025	10	8	22	88	153	153	20
Visayas	2025	10	8	23	83	153	153	20
Visayas	2025	10	8	24	77	153	153	20
Visayas	2025	10	9	1	72	153	153	20
Visayas	2025	10	9	2	70	153	153	20
Visayas	2025	10	9	3	68	153	153	20
Visayas	2025	10	9	4	67	153	153	20
Visayas	2025	10	9	5	70	153	153	20
Visayas	2025	10	9	6	74	153	153	20
Visayas	2025	10	9	7	73	153	153	20
Visayas	2025	10	9	8	87	153	153	20
Visayas	2025	10	9	9	101	153	153	20
Visayas	2025	10	9	10	112	153	153	20
Visayas	2025	10	9	11	112	153	153	20
Visayas	2025	10	9	12	109	153	153	20
Visayas	2025	10	9	13	109	153	153	20
Visayas	2025	10	9	14	117	153	153	20
Visayas	2025	10	9	15	116	153	153	20
Visayas	2025	10	9	16	112	153	153	20
Visayas	2025	10	9	17	106	153	153	20
Visayas	2025	10	9	18	114	153	153	20
Visayas	2025	10	9	19	106	153	153	20
Visayas	2025	10	9	20	104	153	153	20
Visayas	2025	10	9	21	98	153	153	20
Visayas	2025	10	9	22	92	153	153	20
Visayas	2025	10	9	23	86	153	153	20
Visayas	2025	10	9	24	81	153	153	20
Visayas	2025	10	10	1	78	153	153	20
Visayas	2025	10	10	2	74	153	153	20
Visayas	2025	10	10	3	72	153	153	20
Visayas	2025	10	10	4	71	153	153	20
Visayas	2025	10	10	5	73	153	153	20
Visayas	2025	10	10	6	75	153	153	20
Visayas	2025	10	10	7	76	153	153	20
Visayas	2025	10	10	8	88	153	153	20
Visayas	2025	10	10	9	106	153	153	20
Visayas	2025	10	10	10	114	153	153	20
Visayas	2025	10	10	11	119	153	153	20
Visayas	2025	10	10	12	113	153	153	20
Visayas	2025	10	10	13	114	153	153	20
Visayas	2025	10	10	14	117	153	153	20
Visayas	2025	10	10	15	115	153	153	20
Visayas	2025	10	10	16	113	153	153	20
Visayas	2025	10	10	17	105	153	153	20
Visayas	2025	10	10	18	113	153	153	20
Visayas	2025	10	10	19	107	153	153	20
Visayas	2025	10	10	20	103	153	153	20
Visayas	2025	10	10	21	98	153	153	20
Visayas	2025	10	10	22	92	153	153	20
Visayas	2025	10	10	23	87	153	153	20
Visayas	2025	10	10	24	82	153	153	20
Visayas	2025	10	11	1	78	153	153	20
Visayas	2025	10	11	2	75	153	153	20
Visayas	2025	10	11	3	72	153	153	20
Visayas	2025	10	11	4	71	153	153	20
Visayas	2025	10	11	5	71	153	153	20
Visayas	2025	10	11	6	71	153	153	20
Visayas	2025	10	11	7	70	153	153	20
Visayas	2025	10	11	8	78	153	153	20
Visayas	2025	10	11	9	86	153	153	20
Visayas	2025	10	11	10	90	153	153	20
Visayas	2025	10	11	11	97	153	153	20
Visayas	2025	10	11	12	91	153	153	20
Visayas	2025	10	11	13	89	153	153	20
Visayas	2025	10	11	14	92	153	153	20
Visayas	2025	10	11	15	92	153	153	20
Visayas	2025	10	11	16	88	153	153	20
Visayas	2025	10	11	17	91	153	153	20
Visayas	2025	10	11	18	105	153	153	20
Visayas	2025	10	11	19	99	153	153	20
Visayas	2025	10	11	20	95	153	153	20
Visayas	2025	10	11	21	90	153	153	20
Visayas	2025	10	11	22	85	153	153	20
Visayas	2025	10	11	23	80	153	153	20
Visayas	2025	10	11	24	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	12	1	74	153	153	20
Visayas	2025	10	12	2	68	153	153	20
Visayas	2025	10	12	3	66	153	153	20
Visayas	2025	10	12	4	66	153	153	20
Visayas	2025	10	12	5	65	153	153	20
Visayas	2025	10	12	6	64	153	153	20
Visayas	2025	10	12	7	65	153	153	20
Visayas	2025	10	12	8	67	153	153	20
Visayas	2025	10	12	9	72	153	153	20
Visayas	2025	10	12	10	79	153	153	20
Visayas	2025	10	12	11	83	153	153	20
Visayas	2025	10	12	12	83	153	153	20
Visayas	2025	10	12	13	83	153	153	20
Visayas	2025	10	12	14	84	153	153	20
Visayas	2025	10	12	15	83	153	153	20
Visayas	2025	10	12	16	85	153	153	20
Visayas	2025	10	12	17	85	153	153	20
Visayas	2025	10	12	18	101	153	153	20
Visayas	2025	10	12	19	98	153	153	20
Visayas	2025	10	12	20	95	153	153	20
Visayas	2025	10	12	21	93	153	153	20
Visayas	2025	10	12	22	86	153	153	20
Visayas	2025	10	12	23	80	153	153	20
Visayas	2025	10	12	24	75	153	153	20
Visayas	2025	10	13	1	70	153	153	20
Visayas	2025	10	13	2	67	153	153	20
Visayas	2025	10	13	3	64	153	153	20
Visayas	2025	10	13	4	63	153	153	20
Visayas	2025	10	13	5	67	153	153	20
Visayas	2025	10	13	6	73	153	153	20
Visayas	2025	10	13	7	69	153	153	20
Visayas	2025	10	13	8	83	153	153	20
Visayas	2025	10	13	9	102	153	153	20
Visayas	2025	10	13	10	110	153	153	20
Visayas	2025	10	13	11	115	153	153	20
Visayas	2025	10	13	12	110	153	153	20
Visayas	2025	10	13	13	112	153	153	20
Visayas	2025	10	13	14	115	153	153	20
Visayas	2025	10	13	15	114	153	153	20
Visayas	2025	10	13	16	114	153	153	20
Visayas	2025	10	13	17	106	153	153	20
Visayas	2025	10	13	18	114	153	153	20
Visayas	2025	10	13	19	109	153	153	20
Visayas	2025	10	13	20	102	153	153	20
Visayas	2025	10	13	21	99	153	153	20
Visayas	2025	10	13	22	91	153	153	20
Visayas	2025	10	13	23	84	153	153	20
Visayas	2025	10	13	24	80	153	153	20
Visayas	2025	10	14	1	76	153	153	20
Visayas	2025	10	14	2	72	153	153	20
Visayas	2025	10	14	3	70	153	153	20
Visayas	2025	10	14	4	69	153	153	20
Visayas	2025	10	14	5	73	153	153	20
Visayas	2025	10	14	6	76	153	153	20
Visayas	2025	10	14	7	70	153	153	20
Visayas	2025	10	14	8	88	153	153	20
Visayas	2025	10	14	9	104	153	153	20
Visayas	2025	10	14	10	113	153	153	20
Visayas	2025	10	14	11	116	153	153	20
Visayas	2025	10	14	12	112	153	153	20
Visayas	2025	10	14	13	114	153	153	20
Visayas	2025	10	14	14	120	153	153	20
Visayas	2025	10	14	15	118	153	153	20
Visayas	2025	10	14	16	113	153	153	20
Visayas	2025	10	14	17	105	153	153	20
Visayas	2025	10	14	18	111	153	153	20
Visayas	2025	10	14	19	107	153	153	20
Visayas	2025	10	14	20	103	153	153	20
Visayas	2025	10	14	21	98	153	153	20
Visayas	2025	10	14	22	93	153	153	20
Visayas	2025	10	14	23	86	153	153	20
Visayas	2025	10	14	24	80	153	153	20
Visayas	2025	10	15	1	76	153	153	20
Visayas	2025	10	15	2	73	153	153	20
Visayas	2025	10	15	3	70	153	153	20
Visayas	2025	10	15	4	68	153	153	20
Visayas	2025	10	15	5	72	153	153	20
Visayas	2025	10	15	6	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	15	7	73	153	153	20
Visayas	2025	10	15	8	87	153	153	20
Visayas	2025	10	15	9	104	153	153	20
Visayas	2025	10	15	10	113	153	153	20
Visayas	2025	10	15	11	118	153	153	20
Visayas	2025	10	15	12	114	153	153	20
Visayas	2025	10	15	13	114	153	153	20
Visayas	2025	10	15	14	120	153	153	20
Visayas	2025	10	15	15	118	153	153	20
Visayas	2025	10	15	16	116	153	153	20
Visayas	2025	10	15	17	110	153	153	20
Visayas	2025	10	15	18	116	153	153	20
Visayas	2025	10	15	19	110	153	153	20
Visayas	2025	10	15	20	107	153	153	20
Visayas	2025	10	15	21	102	153	153	20
Visayas	2025	10	15	22	95	153	153	20
Visayas	2025	10	15	23	88	153	153	20
Visayas	2025	10	15	24	82	153	153	20
Visayas	2025	10	16	1	79	153	153	20
Visayas	2025	10	16	2	75	153	153	20
Visayas	2025	10	16	3	72	153	153	20
Visayas	2025	10	16	4	71	153	153	20
Visayas	2025	10	16	5	74	153	153	20
Visayas	2025	10	16	6	76	153	153	20
Visayas	2025	10	16	7	74	153	153	20
Visayas	2025	10	16	8	88	153	153	20
Visayas	2025	10	16	9	106	153	153	20
Visayas	2025	10	16	10	114	153	153	20
Visayas	2025	10	16	11	116	153	153	20
Visayas	2025	10	16	12	115	153	153	20
Visayas	2025	10	16	13	115	153	153	20
Visayas	2025	10	16	14	118	153	153	20
Visayas	2025	10	16	15	118	153	153	20
Visayas	2025	10	16	16	114	153	153	20
Visayas	2025	10	16	17	105	153	153	20
Visayas	2025	10	16	18	113	153	153	20
Visayas	2025	10	16	19	104	153	153	20
Visayas	2025	10	16	20	102	153	153	20
Visayas	2025	10	16	21	96	153	153	20
Visayas	2025	10	16	22	91	153	153	20
Visayas	2025	10	16	23	85	153	153	20
Visayas	2025	10	16	24	81	153	153	20
Visayas	2025	10	17	1	76	153	153	20
Visayas	2025	10	17	2	73	153	153	20
Visayas	2025	10	17	3	70	153	153	20
Visayas	2025	10	17	4	69	153	153	20
Visayas	2025	10	17	5	71	153	153	20
Visayas	2025	10	17	6	75	153	153	20
Visayas	2025	10	17	7	74	153	153	20
Visayas	2025	10	17	8	87	153	153	20
Visayas	2025	10	17	9	104	153	153	20
Visayas	2025	10	17	10	111	153	153	20
Visayas	2025	10	17	11	115	153	153	20
Visayas	2025	10	17	12	114	153	153	20
Visayas	2025	10	17	13	113	153	153	20
Visayas	2025	10	17	14	118	153	153	20
Visayas	2025	10	17	15	116	153	153	20
Visayas	2025	10	17	16	112	153	153	20
Visayas	2025	10	17	17	107	153	153	20
Visayas	2025	10	17	18	115	153	153	20
Visayas	2025	10	17	19	108	153	153	20
Visayas	2025	10	17	20	104	153	153	20
Visayas	2025	10	17	21	98	153	153	20
Visayas	2025	10	17	22	94	153	153	20
Visayas	2025	10	17	23	89	153	153	20
Visayas	2025	10	17	24	82	153	153	20
Visayas	2025	10	18	1	55	153	153	20
Visayas	2025	10	18	2	51	153	153	20
Visayas	2025	10	18	3	53	153	153	20
Visayas	2025	10	18	4	54	153	153	20
Visayas	2025	10	18	5	56	153	153	20
Visayas	2025	10	18	6	57	153	153	20
Visayas	2025	10	18	7	59	153	153	20
Visayas	2025	10	18	8	73	153	153	20
Visayas	2025	10	18	9	85	153	153	20
Visayas	2025	10	18	10	93	153	153	20
Visayas	2025	10	18	11	97	153	153	20
Visayas	2025	10	18	12	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	18	13	95	153	153	20
Visayas	2025	10	18	14	100	153	153	20
Visayas	2025	10	18	15	97	153	153	20
Visayas	2025	10	18	16	95	153	153	20
Visayas	2025	10	18	17	93	153	153	20
Visayas	2025	10	18	18	103	153	153	20
Visayas	2025	10	18	19	100	153	153	20
Visayas	2025	10	18	20	98	153	153	20
Visayas	2025	10	18	21	93	153	153	20
Visayas	2025	10	18	22	88	153	153	20
Visayas	2025	10	18	23	84	153	153	20
Visayas	2025	10	18	24	80	153	153	20
Visayas	2025	10	19	1	75	153	153	20
Visayas	2025	10	19	2	73	153	153	20
Visayas	2025	10	19	3	68	153	153	20
Visayas	2025	10	19	4	66	153	153	20
Visayas	2025	10	19	5	66	153	153	20
Visayas	2025	10	19	6	66	153	153	20
Visayas	2025	10	19	7	65	153	153	20
Visayas	2025	10	19	8	70	153	153	20
Visayas	2025	10	19	9	77	153	153	20
Visayas	2025	10	19	10	82	153	153	20
Visayas	2025	10	19	11	84	153	153	20
Visayas	2025	10	19	12	84	153	153	20
Visayas	2025	10	19	13	84	153	153	20
Visayas	2025	10	19	14	86	153	153	20
Visayas	2025	10	19	15	85	153	153	20
Visayas	2025	10	19	16	80	153	153	20
Visayas	2025	10	19	17	83	153	153	20
Visayas	2025	10	19	18	91	153	153	20
Visayas	2025	10	19	19	89	153	153	20
Visayas	2025	10	19	20	88	153	153	20
Visayas	2025	10	19	21	84	153	153	20
Visayas	2025	10	19	22	81	153	153	20
Visayas	2025	10	19	23	76	153	153	20
Visayas	2025	10	19	24	71	153	153	20
Visayas	2025	10	20	1	68	153	153	20
Visayas	2025	10	20	2	66	153	153	20
Visayas	2025	10	20	3	63	153	153	20
Visayas	2025	10	20	4	62	153	153	20
Visayas	2025	10	20	5	66	153	153	20
Visayas	2025	10	20	6	71	153	153	20
Visayas	2025	10	20	7	66	153	153	20
Visayas	2025	10	20	8	80	153	153	20
Visayas	2025	10	20	9	96	153	153	20
Visayas	2025	10	20	10	108	153	153	20
Visayas	2025	10	20	11	110	153	153	20
Visayas	2025	10	20	12	104	153	153	20
Visayas	2025	10	20	13	105	153	153	20
Visayas	2025	10	20	14	109	153	153	20
Visayas	2025	10	20	15	107	153	153	20
Visayas	2025	10	20	16	105	153	153	20
Visayas	2025	10	20	17	99	153	153	20
Visayas	2025	10	20	18	108	153	153	20
Visayas	2025	10	20	19	101	153	153	20
Visayas	2025	10	20	20	95	153	153	20
Visayas	2025	10	20	21	91	153	153	20
Visayas	2025	10	20	22	84	153	153	20
Visayas	2025	10	20	23	79	153	153	20
Visayas	2025	10	20	24	74	153	153	20
Visayas	2025	10	21	1	70	153	153	20
Visayas	2025	10	21	2	69	153	153	20
Visayas	2025	10	21	3	66	153	153	20
Visayas	2025	10	21	4	65	153	153	20
Visayas	2025	10	21	5	69	153	153	20
Visayas	2025	10	21	6	74	153	153	20
Visayas	2025	10	21	7	70	153	153	20
Visayas	2025	10	21	8	84	153	153	20
Visayas	2025	10	21	9	98	153	153	20
Visayas	2025	10	21	10	107	153	153	20
Visayas	2025	10	21	11	111	153	153	20
Visayas	2025	10	21	12	107	153	153	20
Visayas	2025	10	21	13	109	153	153	20
Visayas	2025	10	21	14	113	153	153	20
Visayas	2025	10	21	15	111	153	153	20
Visayas	2025	10	21	16	108	153	153	20
Visayas	2025	10	21	17	105	153	153	20
Visayas	2025	10	21	18	112	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	21	19	103	153	153	20
Visayas	2025	10	21	20	99	153	153	20
Visayas	2025	10	21	21	94	153	153	20
Visayas	2025	10	21	22	87	153	153	20
Visayas	2025	10	21	23	81	153	153	20
Visayas	2025	10	21	24	77	153	153	20
Visayas	2025	10	22	1	73	153	153	20
Visayas	2025	10	22	2	70	153	153	20
Visayas	2025	10	22	3	68	153	153	20
Visayas	2025	10	22	4	66	153	153	20
Visayas	2025	10	22	5	70	153	153	20
Visayas	2025	10	22	6	74	153	153	20
Visayas	2025	10	22	7	70	153	153	20
Visayas	2025	10	22	8	85	153	153	20
Visayas	2025	10	22	9	98	153	153	20
Visayas	2025	10	22	10	107	153	153	20
Visayas	2025	10	22	11	110	153	153	20
Visayas	2025	10	22	12	109	153	153	20
Visayas	2025	10	22	13	111	153	153	20
Visayas	2025	10	22	14	116	153	153	20
Visayas	2025	10	22	15	113	153	153	20
Visayas	2025	10	22	16	110	153	153	20
Visayas	2025	10	22	17	107	153	153	20
Visayas	2025	10	22	18	114	153	153	20
Visayas	2025	10	22	19	107	153	153	20
Visayas	2025	10	22	20	102	153	153	20
Visayas	2025	10	22	21	97	153	153	20
Visayas	2025	10	22	22	90	153	153	20
Visayas	2025	10	22	23	84	153	153	20
Visayas	2025	10	22	24	78	153	153	20
Visayas	2025	10	23	1	75	153	153	20
Visayas	2025	10	23	2	72	153	153	20
Visayas	2025	10	23	3	69	153	153	20
Visayas	2025	10	23	4	68	153	153	20
Visayas	2025	10	23	5	71	153	153	20
Visayas	2025	10	23	6	75	153	153	20
Visayas	2025	10	23	7	72	153	153	20
Visayas	2025	10	23	8	83	153	153	20
Visayas	2025	10	23	9	96	153	153	20
Visayas	2025	10	23	10	105	153	153	20
Visayas	2025	10	23	11	107	153	153	20
Visayas	2025	10	23	12	103	153	153	20
Visayas	2025	10	23	13	103	153	153	20
Visayas	2025	10	23	14	110	153	153	20
Visayas	2025	10	23	15	108	153	153	20
Visayas	2025	10	23	16	106	153	153	20
Visayas	2025	10	23	17	103	153	153	20
Visayas	2025	10	23	18	111	153	153	20
Visayas	2025	10	23	19	103	153	153	20
Visayas	2025	10	23	20	98	153	153	20
Visayas	2025	10	23	21	92	153	153	20
Visayas	2025	10	23	22	85	153	153	20
Visayas	2025	10	23	23	80	153	153	20
Visayas	2025	10	23	24	75	153	153	20
Visayas	2025	10	24	1	71	153	153	20
Visayas	2025	10	24	2	69	153	153	20
Visayas	2025	10	24	3	67	153	153	20
Visayas	2025	10	24	4	65	153	153	20
Visayas	2025	10	24	5	68	153	153	20
Visayas	2025	10	24	6	73	153	153	20
Visayas	2025	10	24	7	72	153	153	20
Visayas	2025	10	24	8	85	153	153	20
Visayas	2025	10	24	9	102	153	153	20
Visayas	2025	10	24	10	111	153	153	20
Visayas	2025	10	24	11	116	153	153	20
Visayas	2025	10	24	12	111	153	153	20
Visayas	2025	10	24	13	113	153	153	20
Visayas	2025	10	24	14	118	153	153	20
Visayas	2025	10	24	15	118	153	153	20
Visayas	2025	10	24	16	113	153	153	20
Visayas	2025	10	24	17	104	153	153	20
Visayas	2025	10	24	18	116	153	153	20
Visayas	2025	10	24	19	108	153	153	20
Visayas	2025	10	24	20	104	153	153	20
Visayas	2025	10	24	21	99	153	153	20
Visayas	2025	10	24	22	94	153	153	20
Visayas	2025	10	24	23	88	153	153	20
Visayas	2025	10	24	24	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	25	1	80	153	153	20
Visayas	2025	10	25	2	75	153	153	20
Visayas	2025	10	25	3	72	153	153	20
Visayas	2025	10	25	4	71	153	153	20
Visayas	2025	10	25	5	67	153	153	20
Visayas	2025	10	25	6	71	153	153	20
Visayas	2025	10	25	7	68	153	153	20
Visayas	2025	10	25	8	78	153	153	20
Visayas	2025	10	25	9	90	153	153	20
Visayas	2025	10	25	10	97	153	153	20
Visayas	2025	10	25	11	102	153	153	20
Visayas	2025	10	25	12	100	153	153	20
Visayas	2025	10	25	13	102	153	153	20
Visayas	2025	10	25	14	104	153	153	20
Visayas	2025	10	25	15	103	153	153	20
Visayas	2025	10	25	16	98	153	153	20
Visayas	2025	10	25	17	95	153	153	20
Visayas	2025	10	25	18	110	153	153	20
Visayas	2025	10	25	19	105	153	153	20
Visayas	2025	10	25	20	102	153	153	20
Visayas	2025	10	25	21	97	153	153	20
Visayas	2025	10	25	22	91	153	153	20
Visayas	2025	10	25	23	84	153	153	20
Visayas	2025	10	25	24	79	153	153	20
Visayas	2025	10	26	1	75	153	153	20
Visayas	2025	10	26	2	73	153	153	20
Visayas	2025	10	26	3	69	153	153	20
Visayas	2025	10	26	4	68	153	153	20
Visayas	2025	10	26	5	68	153	153	20
Visayas	2025	10	26	6	66	153	153	20
Visayas	2025	10	26	7	65	153	153	20
Visayas	2025	10	26	8	70	153	153	20
Visayas	2025	10	26	9	76	153	153	20
Visayas	2025	10	26	10	81	153	153	20
Visayas	2025	10	26	11	83	153	153	20
Visayas	2025	10	26	12	82	153	153	20
Visayas	2025	10	26	13	83	153	153	20
Visayas	2025	10	26	14	84	153	153	20
Visayas	2025	10	26	15	83	153	153	20
Visayas	2025	10	26	16	83	153	153	20
Visayas	2025	10	26	17	86	153	153	20
Visayas	2025	10	26	18	102	153	153	20
Visayas	2025	10	26	19	97	153	153	20
Visayas	2025	10	26	20	96	153	153	20
Visayas	2025	10	26	21	91	153	153	20
Visayas	2025	10	26	22	85	153	153	20
Visayas	2025	10	26	23	77	153	153	20
Visayas	2025	10	26	24	73	153	153	20
Visayas	2025	10	27	1	69	153	153	20
Visayas	2025	10	27	2	66	153	153	20
Visayas	2025	10	27	3	65	153	153	20
Visayas	2025	10	27	4	64	153	153	20
Visayas	2025	10	27	5	68	153	153	20
Visayas	2025	10	27	6	72	153	153	20
Visayas	2025	10	27	7	68	153	153	20
Visayas	2025	10	27	8	81	153	153	20
Visayas	2025	10	27	9	98	153	153	20
Visayas	2025	10	27	10	110	153	153	20
Visayas	2025	10	27	11	113	153	153	20
Visayas	2025	10	27	12	109	153	153	20
Visayas	2025	10	27	13	109	153	153	20
Visayas	2025	10	27	14	114	153	153	20
Visayas	2025	10	27	15	113	153	153	20
Visayas	2025	10	27	16	110	153	153	20
Visayas	2025	10	27	17	103	153	153	20
Visayas	2025	10	27	18	112	153	153	20
Visayas	2025	10	27	19	104	153	153	20
Visayas	2025	10	27	20	99	153	153	20
Visayas	2025	10	27	21	93	153	153	20
Visayas	2025	10	27	22	88	153	153	20
Visayas	2025	10	27	23	80	153	153	20
Visayas	2025	10	27	24	76	153	153	20
Visayas	2025	10	28	1	72	153	153	20
Visayas	2025	10	28	2	69	153	153	20
Visayas	2025	10	28	3	67	153	153	20
Visayas	2025	10	28	4	66	153	153	20
Visayas	2025	10	28	5	69	153	153	20
Visayas	2025	10	28	6	74	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	28	7	70	153	153	20
Visayas	2025	10	28	8	83	153	153	20
Visayas	2025	10	28	9	98	153	153	20
Visayas	2025	10	28	10	108	153	153	20
Visayas	2025	10	28	11	109	153	153	20
Visayas	2025	10	28	12	102	153	153	20
Visayas	2025	10	28	13	101	153	153	20
Visayas	2025	10	28	14	107	153	153	20
Visayas	2025	10	28	15	107	153	153	20
Visayas	2025	10	28	16	105	153	153	20
Visayas	2025	10	28	17	102	153	153	20
Visayas	2025	10	28	18	112	153	153	20
Visayas	2025	10	28	19	103	153	153	20
Visayas	2025	10	28	20	98	153	153	20
Visayas	2025	10	28	21	92	153	153	20
Visayas	2025	10	28	22	85	153	153	20
Visayas	2025	10	28	23	80	153	153	20
Visayas	2025	10	28	24	75	153	153	20
Visayas	2025	10	29	1	71	153	153	20
Visayas	2025	10	29	2	68	153	153	20
Visayas	2025	10	29	3	66	153	153	20
Visayas	2025	10	29	4	65	153	153	20
Visayas	2025	10	29	5	69	153	153	20
Visayas	2025	10	29	6	74	153	153	20
Visayas	2025	10	29	7	69	153	153	20
Visayas	2025	10	29	8	79	153	153	20
Visayas	2025	10	29	9	92	153	153	20
Visayas	2025	10	29	10	98	153	153	20
Visayas	2025	10	29	11	99	153	153	20
Visayas	2025	10	29	12	97	153	153	20
Visayas	2025	10	29	13	92	153	153	20
Visayas	2025	10	29	14	96	153	153	20
Visayas	2025	10	29	15	97	153	153	20
Visayas	2025	10	29	16	95	153	153	20
Visayas	2025	10	29	17	96	153	153	20
Visayas	2025	10	29	18	101	153	153	20
Visayas	2025	10	29	19	94	153	153	20
Visayas	2025	10	29	20	90	153	153	20
Visayas	2025	10	29	21	83	153	153	20
Visayas	2025	10	29	22	77	153	153	20
Visayas	2025	10	29	23	73	153	153	20
Visayas	2025	10	29	24	68	153	153	20
Visayas	2025	10	30	1	66	153	153	20
Visayas	2025	10	30	2	63	153	153	20
Visayas	2025	10	30	3	62	153	153	20
Visayas	2025	10	30	4	61	153	153	20
Visayas	2025	10	30	5	65	153	153	20
Visayas	2025	10	30	6	70	153	153	20
Visayas	2025	10	30	7	68	153	153	20
Visayas	2025	10	30	8	79	153	153	20
Visayas	2025	10	30	9	96	153	153	20
Visayas	2025	10	30	10	103	153	153	20
Visayas	2025	10	30	11	107	153	153	20
Visayas	2025	10	30	12	104	153	153	20
Visayas	2025	10	30	13	104	153	153	20
Visayas	2025	10	30	14	109	153	153	20
Visayas	2025	10	30	15	109	153	153	20
Visayas	2025	10	30	16	107	153	153	20
Visayas	2025	10	30	17	103	153	153	20
Visayas	2025	10	30	18	112	153	153	20
Visayas	2025	10	30	19	101	153	153	20
Visayas	2025	10	30	20	97	153	153	20
Visayas	2025	10	30	21	91	153	153	20
Visayas	2025	10	30	22	85	153	153	20
Visayas	2025	10	30	23	78	153	153	20
Visayas	2025	10	30	24	74	153	153	20
Visayas	2025	10	31	1	71	153	153	20
Visayas	2025	10	31	2	67	153	153	20
Visayas	2025	10	31	3	66	153	153	20
Visayas	2025	10	31	4	63	153	153	20
Visayas	2025	10	31	5	64	153	153	20
Visayas	2025	10	31	6	69	153	153	20
Visayas	2025	10	31	7	71	153	153	20
Visayas	2025	10	31	8	77	153	153	20
Visayas	2025	10	31	9	88	153	153	20
Visayas	2025	10	31	10	94	153	153	20
Visayas	2025	10	31	11	94	153	153	20
Visayas	2025	10	31	12	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	10	31	13	88	153	153	20
Visayas	2025	10	31	14	89	153	153	20
Visayas	2025	10	31	15	86	153	153	20
Visayas	2025	10	31	16	87	153	153	20
Visayas	2025	10	31	17	91	153	153	20
Visayas	2025	10	31	18	90	153	153	20
Visayas	2025	10	31	19	85	153	153	20
Visayas	2025	10	31	20	80	153	153	20
Visayas	2025	10	31	21	75	153	153	20
Visayas	2025	10	31	22	69	153	153	20
Visayas	2025	10	31	23	63	153	153	20
Visayas	2025	10	31	24	59	153	153	20
Visayas	2025	11	1	1	65	153	153	20
Visayas	2025	11	1	2	63	153	153	20
Visayas	2025	11	1	3	61	153	153	20
Visayas	2025	11	1	4	59	153	153	20
Visayas	2025	11	1	5	60	153	153	20
Visayas	2025	11	1	6	61	153	153	20
Visayas	2025	11	1	7	61	153	153	20
Visayas	2025	11	1	8	64	153	153	20
Visayas	2025	11	1	9	70	153	153	20
Visayas	2025	11	1	10	77	153	153	20
Visayas	2025	11	1	11	80	153	153	20
Visayas	2025	11	1	12	79	153	153	20
Visayas	2025	11	1	13	81	153	153	20
Visayas	2025	11	1	14	81	153	153	20
Visayas	2025	11	1	15	80	153	153	20
Visayas	2025	11	1	16	78	153	153	20
Visayas	2025	11	1	17	80	153	153	20
Visayas	2025	11	1	18	90	153	153	20
Visayas	2025	11	1	19	88	153	153	20
Visayas	2025	11	1	20	86	153	153	20
Visayas	2025	11	1	21	86	153	153	20
Visayas	2025	11	1	22	82	153	153	20
Visayas	2025	11	1	23	77	153	153	20
Visayas	2025	11	1	24	73	153	153	20
Visayas	2025	11	2	1	58	153	153	20
Visayas	2025	11	2	2	57	153	153	20
Visayas	2025	11	2	3	55	153	153	20
Visayas	2025	11	2	4	54	153	153	20
Visayas	2025	11	2	5	55	153	153	20
Visayas	2025	11	2	6	56	153	153	20
Visayas	2025	11	2	7	57	153	153	20
Visayas	2025	11	2	8	60	153	153	20
Visayas	2025	11	2	9	63	153	153	20
Visayas	2025	11	2	10	69	153	153	20
Visayas	2025	11	2	11	75	153	153	20
Visayas	2025	11	2	12	74	153	153	20
Visayas	2025	11	2	13	74	153	153	20
Visayas	2025	11	2	14	74	153	153	20
Visayas	2025	11	2	15	75	153	153	20
Visayas	2025	11	2	16	76	153	153	20
Visayas	2025	11	2	17	77	153	153	20
Visayas	2025	11	2	18	90	153	153	20
Visayas	2025	11	2	19	87	153	153	20
Visayas	2025	11	2	20	84	153	153	20
Visayas	2025	11	2	21	81	153	153	20
Visayas	2025	11	2	22	75	153	153	20
Visayas	2025	11	2	23	70	153	153	20
Visayas	2025	11	2	24	66	153	153	20
Visayas	2025	11	3	1	64	153	153	20
Visayas	2025	11	3	2	61	153	153	20
Visayas	2025	11	3	3	59	153	153	20
Visayas	2025	11	3	4	58	153	153	20
Visayas	2025	11	3	5	57	153	153	20
Visayas	2025	11	3	6	58	153	153	20
Visayas	2025	11	3	7	61	153	153	20
Visayas	2025	11	3	8	66	153	153	20
Visayas	2025	11	3	9	75	153	153	20
Visayas	2025	11	3	10	82	153	153	20
Visayas	2025	11	3	11	85	153	153	20
Visayas	2025	11	3	12	85	153	153	20
Visayas	2025	11	3	13	85	153	153	20
Visayas	2025	11	3	14	86	153	153	20
Visayas	2025	11	3	15	85	153	153	20
Visayas	2025	11	3	16	85	153	153	20
Visayas	2025	11	3	17	84	153	153	20
Visayas	2025	11	3	18	97	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	3	19	91	153	153	20
Visayas	2025	11	3	20	90	153	153	20
Visayas	2025	11	3	21	85	153	153	20
Visayas	2025	11	3	22	80	153	153	20
Visayas	2025	11	3	23	74	153	153	20
Visayas	2025	11	3	24	69	153	153	20
Visayas	2025	11	4	1	78	153	153	20
Visayas	2025	11	4	2	74	153	153	20
Visayas	2025	11	4	3	71	153	153	20
Visayas	2025	11	4	4	70	153	153	20
Visayas	2025	11	4	5	73	153	153	20
Visayas	2025	11	4	6	77	153	153	20
Visayas	2025	11	4	7	72	153	153	20
Visayas	2025	11	4	8	86	153	153	20
Visayas	2025	11	4	9	102	153	153	20
Visayas	2025	11	4	10	110	153	153	20
Visayas	2025	11	4	11	114	153	153	20
Visayas	2025	11	4	12	110	153	153	20
Visayas	2025	11	4	13	112	153	153	20
Visayas	2025	11	4	14	116	153	153	20
Visayas	2025	11	4	15	115	153	153	20
Visayas	2025	11	4	16	112	153	153	20
Visayas	2025	11	4	17	105	153	153	20
Visayas	2025	11	4	18	115	153	153	20
Visayas	2025	11	4	19	107	153	153	20
Visayas	2025	11	4	20	103	153	153	20
Visayas	2025	11	4	21	97	153	153	20
Visayas	2025	11	4	22	91	153	153	20
Visayas	2025	11	4	23	87	153	153	20
Visayas	2025	11	4	24	81	153	153	20
Visayas	2025	11	5	1	68	153	153	20
Visayas	2025	11	5	2	65	153	153	20
Visayas	2025	11	5	3	62	153	153	20
Visayas	2025	11	5	4	61	153	153	20
Visayas	2025	11	5	5	63	153	153	20
Visayas	2025	11	5	6	68	153	153	20
Visayas	2025	11	5	7	65	153	153	20
Visayas	2025	11	5	8	76	153	153	20
Visayas	2025	11	5	9	89	153	153	20
Visayas	2025	11	5	10	95	153	153	20
Visayas	2025	11	5	11	101	153	153	20
Visayas	2025	11	5	12	98	153	153	20
Visayas	2025	11	5	13	93	153	153	20
Visayas	2025	11	5	14	94	153	153	20
Visayas	2025	11	5	15	94	153	153	20
Visayas	2025	11	5	16	93	153	153	20
Visayas	2025	11	5	17	94	153	153	20
Visayas	2025	11	5	18	103	153	153	20
Visayas	2025	11	5	19	94	153	153	20
Visayas	2025	11	5	20	90	153	153	20
Visayas	2025	11	5	21	86	153	153	20
Visayas	2025	11	5	22	78	153	153	20
Visayas	2025	11	5	23	73	153	153	20
Visayas	2025	11	5	24	68	153	153	20
Visayas	2025	11	6	1	65	153	153	20
Visayas	2025	11	6	2	63	153	153	20
Visayas	2025	11	6	3	61	153	153	20
Visayas	2025	11	6	4	60	153	153	20
Visayas	2025	11	6	5	63	153	153	20
Visayas	2025	11	6	6	68	153	153	20
Visayas	2025	11	6	7	64	153	153	20
Visayas	2025	11	6	8	78	153	153	20
Visayas	2025	11	6	9	93	153	153	20
Visayas	2025	11	6	10	103	153	153	20
Visayas	2025	11	6	11	109	153	153	20
Visayas	2025	11	6	12	107	153	153	20
Visayas	2025	11	6	13	108	153	153	20
Visayas	2025	11	6	14	114	153	153	20
Visayas	2025	11	6	15	113	153	153	20
Visayas	2025	11	6	16	109	153	153	20
Visayas	2025	11	6	17	105	153	153	20
Visayas	2025	11	6	18	112	153	153	20
Visayas	2025	11	6	19	105	153	153	20
Visayas	2025	11	6	20	100	153	153	20
Visayas	2025	11	6	21	94	153	153	20
Visayas	2025	11	6	22	88	153	153	20
Visayas	2025	11	6	23	81	153	153	20
Visayas	2025	11	6	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	7	1	74	153	153	20
Visayas	2025	11	7	2	70	153	153	20
Visayas	2025	11	7	3	68	153	153	20
Visayas	2025	11	7	4	67	153	153	20
Visayas	2025	11	7	5	70	153	153	20
Visayas	2025	11	7	6	73	153	153	20
Visayas	2025	11	7	7	70	153	153	20
Visayas	2025	11	7	8	79	153	153	20
Visayas	2025	11	7	9	94	153	153	20
Visayas	2025	11	7	10	102	153	153	20
Visayas	2025	11	7	11	106	153	153	20
Visayas	2025	11	7	12	104	153	153	20
Visayas	2025	11	7	13	106	153	153	20
Visayas	2025	11	7	14	112	153	153	20
Visayas	2025	11	7	15	112	153	153	20
Visayas	2025	11	7	16	111	153	153	20
Visayas	2025	11	7	17	102	153	153	20
Visayas	2025	11	7	18	114	153	153	20
Visayas	2025	11	7	19	105	153	153	20
Visayas	2025	11	7	20	101	153	153	20
Visayas	2025	11	7	21	94	153	153	20
Visayas	2025	11	7	22	88	153	153	20
Visayas	2025	11	7	23	82	153	153	20
Visayas	2025	11	7	24	78	153	153	20
Visayas	2025	11	8	1	74	153	153	20
Visayas	2025	11	8	2	70	153	153	20
Visayas	2025	11	8	3	68	153	153	20
Visayas	2025	11	8	4	67	153	153	20
Visayas	2025	11	8	5	66	153	153	20
Visayas	2025	11	8	6	69	153	153	20
Visayas	2025	11	8	7	67	153	153	20
Visayas	2025	11	8	8	79	153	153	20
Visayas	2025	11	8	9	91	153	153	20
Visayas	2025	11	8	10	98	153	153	20
Visayas	2025	11	8	11	101	153	153	20
Visayas	2025	11	8	12	102	153	153	20
Visayas	2025	11	8	13	102	153	153	20
Visayas	2025	11	8	14	107	153	153	20
Visayas	2025	11	8	15	104	153	153	20
Visayas	2025	11	8	16	101	153	153	20
Visayas	2025	11	8	17	98	153	153	20
Visayas	2025	11	8	18	111	153	153	20
Visayas	2025	11	8	19	103	153	153	20
Visayas	2025	11	8	20	99	153	153	20
Visayas	2025	11	8	21	95	153	153	20
Visayas	2025	11	8	22	88	153	153	20
Visayas	2025	11	8	23	83	153	153	20
Visayas	2025	11	8	24	78	153	153	20
Visayas	2025	11	9	1	75	153	153	20
Visayas	2025	11	9	2	71	153	153	20
Visayas	2025	11	9	3	68	153	153	20
Visayas	2025	11	9	4	68	153	153	20
Visayas	2025	11	9	5	66	153	153	20
Visayas	2025	11	9	6	67	153	153	20
Visayas	2025	11	9	7	63	153	153	20
Visayas	2025	11	9	8	70	153	153	20
Visayas	2025	11	9	9	77	153	153	20
Visayas	2025	11	9	10	81	153	153	20
Visayas	2025	11	9	11	84	153	153	20
Visayas	2025	11	9	12	86	153	153	20
Visayas	2025	11	9	13	88	153	153	20
Visayas	2025	11	9	14	88	153	153	20
Visayas	2025	11	9	15	85	153	153	20
Visayas	2025	11	9	16	83	153	153	20
Visayas	2025	11	9	17	86	153	153	20
Visayas	2025	11	9	18	104	153	153	20
Visayas	2025	11	9	19	100	153	153	20
Visayas	2025	11	9	20	94	153	153	20
Visayas	2025	11	9	21	93	153	153	20
Visayas	2025	11	9	22	86	153	153	20
Visayas	2025	11	9	23	80	153	153	20
Visayas	2025	11	9	24	76	153	153	20
Visayas	2025	11	10	1	72	153	153	20
Visayas	2025	11	10	2	68	153	153	20
Visayas	2025	11	10	3	65	153	153	20
Visayas	2025	11	10	4	65	153	153	20
Visayas	2025	11	10	5	69	153	153	20
Visayas	2025	11	10	6	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	10	7	68	153	153	20
Visayas	2025	11	10	8	83	153	153	20
Visayas	2025	11	10	9	101	153	153	20
Visayas	2025	11	10	10	109	153	153	20
Visayas	2025	11	10	11	114	153	153	20
Visayas	2025	11	10	12	112	153	153	20
Visayas	2025	11	10	13	111	153	153	20
Visayas	2025	11	10	14	119	153	153	20
Visayas	2025	11	10	15	117	153	153	20
Visayas	2025	11	10	16	113	153	153	20
Visayas	2025	11	10	17	109	153	153	20
Visayas	2025	11	10	18	118	153	153	20
Visayas	2025	11	10	19	109	153	153	20
Visayas	2025	11	10	20	103	153	153	20
Visayas	2025	11	10	21	99	153	153	20
Visayas	2025	11	10	22	92	153	153	20
Visayas	2025	11	10	23	87	153	153	20
Visayas	2025	11	10	24	82	153	153	20
Visayas	2025	11	11	1	78	153	153	20
Visayas	2025	11	11	2	74	153	153	20
Visayas	2025	11	11	3	71	153	153	20
Visayas	2025	11	11	4	70	153	153	20
Visayas	2025	11	11	5	73	153	153	20
Visayas	2025	11	11	6	77	153	153	20
Visayas	2025	11	11	7	72	153	153	20
Visayas	2025	11	11	8	86	153	153	20
Visayas	2025	11	11	9	102	153	153	20
Visayas	2025	11	11	10	110	153	153	20
Visayas	2025	11	11	11	114	153	153	20
Visayas	2025	11	11	12	110	153	153	20
Visayas	2025	11	11	13	112	153	153	20
Visayas	2025	11	11	14	116	153	153	20
Visayas	2025	11	11	15	115	153	153	20
Visayas	2025	11	11	16	112	153	153	20
Visayas	2025	11	11	17	105	153	153	20
Visayas	2025	11	11	18	115	153	153	20
Visayas	2025	11	11	19	107	153	153	20
Visayas	2025	11	11	20	103	153	153	20
Visayas	2025	11	11	21	97	153	153	20
Visayas	2025	11	11	22	91	153	153	20
Visayas	2025	11	11	23	87	153	153	20
Visayas	2025	11	11	24	81	153	153	20
Visayas	2025	11	12	1	77	153	153	20
Visayas	2025	11	12	2	74	153	153	20
Visayas	2025	11	12	3	71	153	153	20
Visayas	2025	11	12	4	70	153	153	20
Visayas	2025	11	12	5	73	153	153	20
Visayas	2025	11	12	6	77	153	153	20
Visayas	2025	11	12	7	70	153	153	20
Visayas	2025	11	12	8	84	153	153	20
Visayas	2025	11	12	9	101	153	153	20
Visayas	2025	11	12	10	108	153	153	20
Visayas	2025	11	12	11	113	153	153	20
Visayas	2025	11	12	12	109	153	153	20
Visayas	2025	11	12	13	107	153	153	20
Visayas	2025	11	12	14	113	153	153	20
Visayas	2025	11	12	15	110	153	153	20
Visayas	2025	11	12	16	109	153	153	20
Visayas	2025	11	12	17	107	153	153	20
Visayas	2025	11	12	18	113	153	153	20
Visayas	2025	11	12	19	105	153	153	20
Visayas	2025	11	12	20	101	153	153	20
Visayas	2025	11	12	21	96	153	153	20
Visayas	2025	11	12	22	89	153	153	20
Visayas	2025	11	12	23	81	153	153	20
Visayas	2025	11	12	24	77	153	153	20
Visayas	2025	11	13	1	74	153	153	20
Visayas	2025	11	13	2	72	153	153	20
Visayas	2025	11	13	3	68	153	153	20
Visayas	2025	11	13	4	68	153	153	20
Visayas	2025	11	13	5	71	153	153	20
Visayas	2025	11	13	6	77	153	153	20
Visayas	2025	11	13	7	70	153	153	20
Visayas	2025	11	13	8	83	153	153	20
Visayas	2025	11	13	9	98	153	153	20
Visayas	2025	11	13	10	106	153	153	20
Visayas	2025	11	13	11	109	153	153	20
Visayas	2025	11	13	12	107	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	13	13	107	153	153	20
Visayas	2025	11	13	14	113	153	153	20
Visayas	2025	11	13	15	111	153	153	20
Visayas	2025	11	13	16	109	153	153	20
Visayas	2025	11	13	17	104	153	153	20
Visayas	2025	11	13	18	113	153	153	20
Visayas	2025	11	13	19	106	153	153	20
Visayas	2025	11	13	20	99	153	153	20
Visayas	2025	11	13	21	94	153	153	20
Visayas	2025	11	13	22	87	153	153	20
Visayas	2025	11	13	23	83	153	153	20
Visayas	2025	11	13	24	77	153	153	20
Visayas	2025	11	14	1	73	153	153	20
Visayas	2025	11	14	2	71	153	153	20
Visayas	2025	11	14	3	68	153	153	20
Visayas	2025	11	14	4	67	153	153	20
Visayas	2025	11	14	5	69	153	153	20
Visayas	2025	11	14	6	75	153	153	20
Visayas	2025	11	14	7	70	153	153	20
Visayas	2025	11	14	8	82	153	153	20
Visayas	2025	11	14	9	99	153	153	20
Visayas	2025	11	14	10	107	153	153	20
Visayas	2025	11	14	11	110	153	153	20
Visayas	2025	11	14	12	110	153	153	20
Visayas	2025	11	14	13	108	153	153	20
Visayas	2025	11	14	14	115	153	153	20
Visayas	2025	11	14	15	113	153	153	20
Visayas	2025	11	14	16	108	153	153	20
Visayas	2025	11	14	17	104	153	153	20
Visayas	2025	11	14	18	113	153	153	20
Visayas	2025	11	14	19	106	153	153	20
Visayas	2025	11	14	20	102	153	153	20
Visayas	2025	11	14	21	97	153	153	20
Visayas	2025	11	14	22	90	153	153	20
Visayas	2025	11	14	23	84	153	153	20
Visayas	2025	11	14	24	80	153	153	20
Visayas	2025	11	15	1	76	153	153	20
Visayas	2025	11	15	2	73	153	153	20
Visayas	2025	11	15	3	70	153	153	20
Visayas	2025	11	15	4	68	153	153	20
Visayas	2025	11	15	5	66	153	153	20
Visayas	2025	11	15	6	67	153	153	20
Visayas	2025	11	15	7	68	153	153	20
Visayas	2025	11	15	8	77	153	153	20
Visayas	2025	11	15	9	87	153	153	20
Visayas	2025	11	15	10	96	153	153	20
Visayas	2025	11	15	11	99	153	153	20
Visayas	2025	11	15	12	100	153	153	20
Visayas	2025	11	15	13	99	153	153	20
Visayas	2025	11	15	14	106	153	153	20
Visayas	2025	11	15	15	104	153	153	20
Visayas	2025	11	15	16	103	153	153	20
Visayas	2025	11	15	17	97	153	153	20
Visayas	2025	11	15	18	109	153	153	20
Visayas	2025	11	15	19	106	153	153	20
Visayas	2025	11	15	20	100	153	153	20
Visayas	2025	11	15	21	97	153	153	20
Visayas	2025	11	15	22	91	153	153	20
Visayas	2025	11	15	23	86	153	153	20
Visayas	2025	11	15	24	81	153	153	20
Visayas	2025	11	16	1	77	153	153	20
Visayas	2025	11	16	2	74	153	153	20
Visayas	2025	11	16	3	71	153	153	20
Visayas	2025	11	16	4	69	153	153	20
Visayas	2025	11	16	5	69	153	153	20
Visayas	2025	11	16	6	67	153	153	20
Visayas	2025	11	16	7	65	153	153	20
Visayas	2025	11	16	8	70	153	153	20
Visayas	2025	11	16	9	79	153	153	20
Visayas	2025	11	16	10	84	153	153	20
Visayas	2025	11	16	11	89	153	153	20
Visayas	2025	11	16	12	88	153	153	20
Visayas	2025	11	16	13	89	153	153	20
Visayas	2025	11	16	14	92	153	153	20
Visayas	2025	11	16	15	89	153	153	20
Visayas	2025	11	16	16	87	153	153	20
Visayas	2025	11	16	17	87	153	153	20
Visayas	2025	11	16	18	102	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	16	19	101	153	153	20
Visayas	2025	11	16	20	97	153	153	20
Visayas	2025	11	16	21	95	153	153	20
Visayas	2025	11	16	22	88	153	153	20
Visayas	2025	11	16	23	82	153	153	20
Visayas	2025	11	16	24	77	153	153	20
Visayas	2025	11	17	1	72	153	153	20
Visayas	2025	11	17	2	69	153	153	20
Visayas	2025	11	17	3	66	153	153	20
Visayas	2025	11	17	4	64	153	153	20
Visayas	2025	11	17	5	70	153	153	20
Visayas	2025	11	17	6	75	153	153	20
Visayas	2025	11	17	7	69	153	153	20
Visayas	2025	11	17	8	82	153	153	20
Visayas	2025	11	17	9	101	153	153	20
Visayas	2025	11	17	10	110	153	153	20
Visayas	2025	11	17	11	112	153	153	20
Visayas	2025	11	17	12	108	153	153	20
Visayas	2025	11	17	13	113	153	153	20
Visayas	2025	11	17	14	115	153	153	20
Visayas	2025	11	17	15	114	153	153	20
Visayas	2025	11	17	16	112	153	153	20
Visayas	2025	11	17	17	106	153	153	20
Visayas	2025	11	17	18	114	153	153	20
Visayas	2025	11	17	19	107	153	153	20
Visayas	2025	11	17	20	103	153	153	20
Visayas	2025	11	17	21	97	153	153	20
Visayas	2025	11	17	22	91	153	153	20
Visayas	2025	11	17	23	84	153	153	20
Visayas	2025	11	17	24	79	153	153	20
Visayas	2025	11	18	1	75	153	153	20
Visayas	2025	11	18	2	72	153	153	20
Visayas	2025	11	18	3	70	153	153	20
Visayas	2025	11	18	4	69	153	153	20
Visayas	2025	11	18	5	73	153	153	20
Visayas	2025	11	18	6	77	153	153	20
Visayas	2025	11	18	7	70	153	153	20
Visayas	2025	11	18	8	83	153	153	20
Visayas	2025	11	18	9	102	153	153	20
Visayas	2025	11	18	10	108	153	153	20
Visayas	2025	11	18	11	113	153	153	20
Visayas	2025	11	18	12	111	153	153	20
Visayas	2025	11	18	13	110	153	153	20
Visayas	2025	11	18	14	117	153	153	20
Visayas	2025	11	18	15	116	153	153	20
Visayas	2025	11	18	16	113	153	153	20
Visayas	2025	11	18	17	107	153	153	20
Visayas	2025	11	18	18	116	153	153	20
Visayas	2025	11	18	19	108	153	153	20
Visayas	2025	11	18	20	104	153	153	20
Visayas	2025	11	18	21	98	153	153	20
Visayas	2025	11	18	22	92	153	153	20
Visayas	2025	11	18	23	87	153	153	20
Visayas	2025	11	18	24	80	153	153	20
Visayas	2025	11	19	1	76	153	153	20
Visayas	2025	11	19	2	74	153	153	20
Visayas	2025	11	19	3	73	153	153	20
Visayas	2025	11	19	4	70	153	153	20
Visayas	2025	11	19	5	74	153	153	20
Visayas	2025	11	19	6	77	153	153	20
Visayas	2025	11	19	7	69	153	153	20
Visayas	2025	11	19	8	80	153	153	20
Visayas	2025	11	19	9	95	153	153	20
Visayas	2025	11	19	10	105	153	153	20
Visayas	2025	11	19	11	110	153	153	20
Visayas	2025	11	19	12	106	153	153	20
Visayas	2025	11	19	13	108	153	153	20
Visayas	2025	11	19	14	113	153	153	20
Visayas	2025	11	19	15	111	153	153	20
Visayas	2025	11	19	16	108	153	153	20
Visayas	2025	11	19	17	104	153	153	20
Visayas	2025	11	19	18	111	153	153	20
Visayas	2025	11	19	19	103	153	153	20
Visayas	2025	11	19	20	95	153	153	20
Visayas	2025	11	19	21	95	153	153	20
Visayas	2025	11	19	22	87	153	153	20
Visayas	2025	11	19	23	82	153	153	20
Visayas	2025	11	19	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	20	1	74	153	153	20
Visayas	2025	11	20	2	72	153	153	20
Visayas	2025	11	20	3	70	153	153	20
Visayas	2025	11	20	4	69	153	153	20
Visayas	2025	11	20	5	73	153	153	20
Visayas	2025	11	20	6	77	153	153	20
Visayas	2025	11	20	7	72	153	153	20
Visayas	2025	11	20	8	85	153	153	20
Visayas	2025	11	20	9	100	153	153	20
Visayas	2025	11	20	10	108	153	153	20
Visayas	2025	11	20	11	114	153	153	20
Visayas	2025	11	20	12	108	153	153	20
Visayas	2025	11	20	13	106	153	153	20
Visayas	2025	11	20	14	109	153	153	20
Visayas	2025	11	20	15	106	153	153	20
Visayas	2025	11	20	16	100	153	153	20
Visayas	2025	11	20	17	100	153	153	20
Visayas	2025	11	20	18	106	153	153	20
Visayas	2025	11	20	19	101	153	153	20
Visayas	2025	11	20	20	96	153	153	20
Visayas	2025	11	20	21	89	153	153	20
Visayas	2025	11	20	22	83	153	153	20
Visayas	2025	11	20	23	79	153	153	20
Visayas	2025	11	20	24	75	153	153	20
Visayas	2025	11	21	1	71	153	153	20
Visayas	2025	11	21	2	68	153	153	20
Visayas	2025	11	21	3	66	153	153	20
Visayas	2025	11	21	4	66	153	153	20
Visayas	2025	11	21	5	69	153	153	20
Visayas	2025	11	21	6	73	153	153	20
Visayas	2025	11	21	7	72	153	153	20
Visayas	2025	11	21	8	79	153	153	20
Visayas	2025	11	21	9	90	153	153	20
Visayas	2025	11	21	10	98	153	153	20
Visayas	2025	11	21	11	98	153	153	20
Visayas	2025	11	21	12	93	153	153	20
Visayas	2025	11	21	13	92	153	153	20
Visayas	2025	11	21	14	97	153	153	20
Visayas	2025	11	21	15	96	153	153	20
Visayas	2025	11	21	16	95	153	153	20
Visayas	2025	11	21	17	95	153	153	20
Visayas	2025	11	21	18	106	153	153	20
Visayas	2025	11	21	19	95	153	153	20
Visayas	2025	11	21	20	91	153	153	20
Visayas	2025	11	21	21	86	153	153	20
Visayas	2025	11	21	22	80	153	153	20
Visayas	2025	11	21	23	75	153	153	20
Visayas	2025	11	21	24	71	153	153	20
Visayas	2025	11	22	1	67	153	153	20
Visayas	2025	11	22	2	65	153	153	20
Visayas	2025	11	22	3	63	153	153	20
Visayas	2025	11	22	4	62	153	153	20
Visayas	2025	11	22	5	64	153	153	20
Visayas	2025	11	22	6	66	153	153	20
Visayas	2025	11	22	7	66	153	153	20
Visayas	2025	11	22	8	71	153	153	20
Visayas	2025	11	22	9	81	153	153	20
Visayas	2025	11	22	10	86	153	153	20
Visayas	2025	11	22	11	89	153	153	20
Visayas	2025	11	22	12	87	153	153	20
Visayas	2025	11	22	13	86	153	153	20
Visayas	2025	11	22	14	86	153	153	20
Visayas	2025	11	22	15	83	153	153	20
Visayas	2025	11	22	16	82	153	153	20
Visayas	2025	11	22	17	84	153	153	20
Visayas	2025	11	22	18	98	153	153	20
Visayas	2025	11	22	19	92	153	153	20
Visayas	2025	11	22	20	86	153	153	20
Visayas	2025	11	22	21	82	153	153	20
Visayas	2025	11	22	22	74	153	153	20
Visayas	2025	11	22	23	69	153	153	20
Visayas	2025	11	22	24	65	153	153	20
Visayas	2025	11	23	1	62	153	153	20
Visayas	2025	11	23	2	60	153	153	20
Visayas	2025	11	23	3	58	153	153	20
Visayas	2025	11	23	4	57	153	153	20
Visayas	2025	11	23	5	58	153	153	20
Visayas	2025	11	23	6	58	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	23	7	58	153	153	20
Visayas	2025	11	23	8	62	153	153	20
Visayas	2025	11	23	9	68	153	153	20
Visayas	2025	11	23	10	77	153	153	20
Visayas	2025	11	23	11	79	153	153	20
Visayas	2025	11	23	12	80	153	153	20
Visayas	2025	11	23	13	77	153	153	20
Visayas	2025	11	23	14	77	153	153	20
Visayas	2025	11	23	15	76	153	153	20
Visayas	2025	11	23	16	76	153	153	20
Visayas	2025	11	23	17	82	153	153	20
Visayas	2025	11	23	18	96	153	153	20
Visayas	2025	11	23	19	92	153	153	20
Visayas	2025	11	23	20	87	153	153	20
Visayas	2025	11	23	21	84	153	153	20
Visayas	2025	11	23	22	78	153	153	20
Visayas	2025	11	23	23	72	153	153	20
Visayas	2025	11	23	24	69	153	153	20
Visayas	2025	11	24	1	65	153	153	20
Visayas	2025	11	24	2	62	153	153	20
Visayas	2025	11	24	3	60	153	153	20
Visayas	2025	11	24	4	60	153	153	20
Visayas	2025	11	24	5	64	153	153	20
Visayas	2025	11	24	6	71	153	153	20
Visayas	2025	11	24	7	66	153	153	20
Visayas	2025	11	24	8	80	153	153	20
Visayas	2025	11	24	9	95	153	153	20
Visayas	2025	11	24	10	105	153	153	20
Visayas	2025	11	24	11	112	153	153	20
Visayas	2025	11	24	12	109	153	153	20
Visayas	2025	11	24	13	108	153	153	20
Visayas	2025	11	24	14	113	153	153	20
Visayas	2025	11	24	15	112	153	153	20
Visayas	2025	11	24	16	108	153	153	20
Visayas	2025	11	24	17	104	153	153	20
Visayas	2025	11	24	18	112	153	153	20
Visayas	2025	11	24	19	103	153	153	20
Visayas	2025	11	24	20	96	153	153	20
Visayas	2025	11	24	21	92	153	153	20
Visayas	2025	11	24	22	86	153	153	20
Visayas	2025	11	24	23	80	153	153	20
Visayas	2025	11	24	24	76	153	153	20
Visayas	2025	11	25	1	72	153	153	20
Visayas	2025	11	25	2	69	153	153	20
Visayas	2025	11	25	3	66	153	153	20
Visayas	2025	11	25	4	66	153	153	20
Visayas	2025	11	25	5	70	153	153	20
Visayas	2025	11	25	6	75	153	153	20
Visayas	2025	11	25	7	70	153	153	20
Visayas	2025	11	25	8	82	153	153	20
Visayas	2025	11	25	9	98	153	153	20
Visayas	2025	11	25	10	109	153	153	20
Visayas	2025	11	25	11	114	153	153	20
Visayas	2025	11	25	12	108	153	153	20
Visayas	2025	11	25	13	109	153	153	20
Visayas	2025	11	25	14	116	153	153	20
Visayas	2025	11	25	15	115	153	153	20
Visayas	2025	11	25	16	112	153	153	20
Visayas	2025	11	25	17	105	153	153	20
Visayas	2025	11	25	18	116	153	153	20
Visayas	2025	11	25	19	111	153	153	20
Visayas	2025	11	25	20	104	153	153	20
Visayas	2025	11	25	21	100	153	153	20
Visayas	2025	11	25	22	91	153	153	20
Visayas	2025	11	25	23	85	153	153	20
Visayas	2025	11	25	24	79	153	153	20
Visayas	2025	11	26	1	75	153	153	20
Visayas	2025	11	26	2	72	153	153	20
Visayas	2025	11	26	3	70	153	153	20
Visayas	2025	11	26	4	70	153	153	20
Visayas	2025	11	26	5	72	153	153	20
Visayas	2025	11	26	6	77	153	153	20
Visayas	2025	11	26	7	73	153	153	20
Visayas	2025	11	26	8	85	153	153	20
Visayas	2025	11	26	9	103	153	153	20
Visayas	2025	11	26	10	112	153	153	20
Visayas	2025	11	26	11	115	153	153	20
Visayas	2025	11	26	12	112	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	26	13	113	153	153	20
Visayas	2025	11	26	14	119	153	153	20
Visayas	2025	11	26	15	117	153	153	20
Visayas	2025	11	26	16	114	153	153	20
Visayas	2025	11	26	17	108	153	153	20
Visayas	2025	11	26	18	117	153	153	20
Visayas	2025	11	26	19	110	153	153	20
Visayas	2025	11	26	20	105	153	153	20
Visayas	2025	11	26	21	102	153	153	20
Visayas	2025	11	26	22	94	153	153	20
Visayas	2025	11	26	23	88	153	153	20
Visayas	2025	11	26	24	83	153	153	20
Visayas	2025	11	27	1	79	153	153	20
Visayas	2025	11	27	2	75	153	153	20
Visayas	2025	11	27	3	72	153	153	20
Visayas	2025	11	27	4	70	153	153	20
Visayas	2025	11	27	5	74	153	153	20
Visayas	2025	11	27	6	79	153	153	20
Visayas	2025	11	27	7	75	153	153	20
Visayas	2025	11	27	8	85	153	153	20
Visayas	2025	11	27	9	102	153	153	20
Visayas	2025	11	27	10	109	153	153	20
Visayas	2025	11	27	11	114	153	153	20
Visayas	2025	11	27	12	111	153	153	20
Visayas	2025	11	27	13	112	153	153	20
Visayas	2025	11	27	14	119	153	153	20
Visayas	2025	11	27	15	116	153	153	20
Visayas	2025	11	27	16	113	153	153	20
Visayas	2025	11	27	17	107	153	153	20
Visayas	2025	11	27	18	116	153	153	20
Visayas	2025	11	27	19	109	153	153	20
Visayas	2025	11	27	20	108	153	153	20
Visayas	2025	11	27	21	102	153	153	20
Visayas	2025	11	27	22	94	153	153	20
Visayas	2025	11	27	23	89	153	153	20
Visayas	2025	11	27	24	83	153	153	20
Visayas	2025	11	28	1	79	153	153	20
Visayas	2025	11	28	2	77	153	153	20
Visayas	2025	11	28	3	73	153	153	20
Visayas	2025	11	28	4	72	153	153	20
Visayas	2025	11	28	5	75	153	153	20
Visayas	2025	11	28	6	75	153	153	20
Visayas	2025	11	28	7	74	153	153	20
Visayas	2025	11	28	8	86	153	153	20
Visayas	2025	11	28	9	102	153	153	20
Visayas	2025	11	28	10	110	153	153	20
Visayas	2025	11	28	11	111	153	153	20
Visayas	2025	11	28	12	108	153	153	20
Visayas	2025	11	28	13	110	153	153	20
Visayas	2025	11	28	14	116	153	153	20
Visayas	2025	11	28	15	114	153	153	20
Visayas	2025	11	28	16	111	153	153	20
Visayas	2025	11	28	17	107	153	153	20
Visayas	2025	11	28	18	116	153	153	20
Visayas	2025	11	28	19	107	153	153	20
Visayas	2025	11	28	20	102	153	153	20
Visayas	2025	11	28	21	98	153	153	20
Visayas	2025	11	28	22	92	153	153	20
Visayas	2025	11	28	23	86	153	153	20
Visayas	2025	11	28	24	81	153	153	20
Visayas	2025	11	29	1	76	153	153	20
Visayas	2025	11	29	2	73	153	153	20
Visayas	2025	11	29	3	71	153	153	20
Visayas	2025	11	29	4	69	153	153	20
Visayas	2025	11	29	5	69	153	153	20
Visayas	2025	11	29	6	69	153	153	20
Visayas	2025	11	29	7	66	153	153	20
Visayas	2025	11	29	8	73	153	153	20
Visayas	2025	11	29	9	85	153	153	20
Visayas	2025	11	29	10	92	153	153	20
Visayas	2025	11	29	11	96	153	153	20
Visayas	2025	11	29	12	95	153	153	20
Visayas	2025	11	29	13	97	153	153	20
Visayas	2025	11	29	14	101	153	153	20
Visayas	2025	11	29	15	100	153	153	20
Visayas	2025	11	29	16	97	153	153	20
Visayas	2025	11	29	17	94	153	153	20
Visayas	2025	11	29	18	108	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	11	29	19	102	153	153	20
Visayas	2025	11	29	20	98	153	153	20
Visayas	2025	11	29	21	96	153	153	20
Visayas	2025	11	29	22	90	153	153	20
Visayas	2025	11	29	23	83	153	153	20
Visayas	2025	11	29	24	79	153	153	20
Visayas	2025	11	30	1	78	153	153	20
Visayas	2025	11	30	2	75	153	153	20
Visayas	2025	11	30	3	73	153	153	20
Visayas	2025	11	30	4	70	153	153	20
Visayas	2025	11	30	5	71	153	153	20
Visayas	2025	11	30	6	73	153	153	20
Visayas	2025	11	30	7	71	153	153	20
Visayas	2025	11	30	8	78	153	153	20
Visayas	2025	11	30	9	86	153	153	20
Visayas	2025	11	30	10	96	153	153	20
Visayas	2025	11	30	11	99	153	153	20
Visayas	2025	11	30	12	96	153	153	20
Visayas	2025	11	30	13	96	153	153	20
Visayas	2025	11	30	14	97	153	153	20
Visayas	2025	11	30	15	97	153	153	20
Visayas	2025	11	30	16	97	153	153	20
Visayas	2025	11	30	17	96	153	153	20
Visayas	2025	11	30	18	107	153	153	20
Visayas	2025	11	30	19	101	153	153	20
Visayas	2025	11	30	20	97	153	153	20
Visayas	2025	11	30	21	92	153	153	20
Visayas	2025	11	30	22	86	153	153	20
Visayas	2025	11	30	23	80	153	153	20
Visayas	2025	11	30	24	74	153	153	20
Visayas	2025	12	1	1	72	153	153	20
Visayas	2025	12	1	2	68	153	153	20
Visayas	2025	12	1	3	67	153	153	20
Visayas	2025	12	1	4	65	153	153	20
Visayas	2025	12	1	5	70	153	153	20
Visayas	2025	12	1	6	74	153	153	20
Visayas	2025	12	1	7	71	153	153	20
Visayas	2025	12	1	8	82	153	153	20
Visayas	2025	12	1	9	100	153	153	20
Visayas	2025	12	1	10	108	153	153	20
Visayas	2025	12	1	11	111	153	153	20
Visayas	2025	12	1	12	110	153	153	20
Visayas	2025	12	1	13	109	153	153	20
Visayas	2025	12	1	14	116	153	153	20
Visayas	2025	12	1	15	116	153	153	20
Visayas	2025	12	1	16	113	153	153	20
Visayas	2025	12	1	17	107	153	153	20
Visayas	2025	12	1	18	116	153	153	20
Visayas	2025	12	1	19	111	153	153	20
Visayas	2025	12	1	20	105	153	153	20
Visayas	2025	12	1	21	100	153	153	20
Visayas	2025	12	1	22	93	153	153	20
Visayas	2025	12	1	23	87	153	153	20
Visayas	2025	12	1	24	82	153	153	20
Visayas	2025	12	2	1	77	153	153	20
Visayas	2025	12	2	2	74	153	153	20
Visayas	2025	12	2	3	72	153	153	20
Visayas	2025	12	2	4	72	153	153	20
Visayas	2025	12	2	5	74	153	153	20
Visayas	2025	12	2	6	77	153	153	20
Visayas	2025	12	2	7	71	153	153	20
Visayas	2025	12	2	8	85	153	153	20
Visayas	2025	12	2	9	102	153	153	20
Visayas	2025	12	2	10	112	153	153	20
Visayas	2025	12	2	11	116	153	153	20
Visayas	2025	12	2	12	110	153	153	20
Visayas	2025	12	2	13	112	153	153	20
Visayas	2025	12	2	14	118	153	153	20
Visayas	2025	12	2	15	117	153	153	20
Visayas	2025	12	2	16	113	153	153	20
Visayas	2025	12	2	17	108	153	153	20
Visayas	2025	12	2	18	116	153	153	20
Visayas	2025	12	2	19	111	153	153	20
Visayas	2025	12	2	20	106	153	153	20
Visayas	2025	12	2	21	102	153	153	20
Visayas	2025	12	2	22	94	153	153	20
Visayas	2025	12	2	23	89	153	153	20
Visayas	2025	12	2	24	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	3	1	71	153	153	20
Visayas	2025	12	3	2	68	153	153	20
Visayas	2025	12	3	3	65	153	153	20
Visayas	2025	12	3	4	65	153	153	20
Visayas	2025	12	3	5	68	153	153	20
Visayas	2025	12	3	6	73	153	153	20
Visayas	2025	12	3	7	68	153	153	20
Visayas	2025	12	3	8	79	153	153	20
Visayas	2025	12	3	9	97	153	153	20
Visayas	2025	12	3	10	102	153	153	20
Visayas	2025	12	3	11	109	153	153	20
Visayas	2025	12	3	12	105	153	153	20
Visayas	2025	12	3	13	105	153	153	20
Visayas	2025	12	3	14	111	153	153	20
Visayas	2025	12	3	15	111	153	153	20
Visayas	2025	12	3	16	108	153	153	20
Visayas	2025	12	3	17	103	153	153	20
Visayas	2025	12	3	18	110	153	153	20
Visayas	2025	12	3	19	104	153	153	20
Visayas	2025	12	3	20	99	153	153	20
Visayas	2025	12	3	21	95	153	153	20
Visayas	2025	12	3	22	88	153	153	20
Visayas	2025	12	3	23	83	153	153	20
Visayas	2025	12	3	24	78	153	153	20
Visayas	2025	12	4	1	69	153	153	20
Visayas	2025	12	4	2	63	153	153	20
Visayas	2025	12	4	3	62	153	153	20
Visayas	2025	12	4	4	62	153	153	20
Visayas	2025	12	4	5	65	153	153	20
Visayas	2025	12	4	6	72	153	153	20
Visayas	2025	12	4	7	69	153	153	20
Visayas	2025	12	4	8	80	153	153	20
Visayas	2025	12	4	9	96	153	153	20
Visayas	2025	12	4	10	106	153	153	20
Visayas	2025	12	4	11	112	153	153	20
Visayas	2025	12	4	12	106	153	153	20
Visayas	2025	12	4	13	110	153	153	20
Visayas	2025	12	4	14	113	153	153	20
Visayas	2025	12	4	15	114	153	153	20
Visayas	2025	12	4	16	111	153	153	20
Visayas	2025	12	4	17	106	153	153	20
Visayas	2025	12	4	18	114	153	153	20
Visayas	2025	12	4	19	107	153	153	20
Visayas	2025	12	4	20	102	153	153	20
Visayas	2025	12	4	21	98	153	153	20
Visayas	2025	12	4	22	90	153	153	20
Visayas	2025	12	4	23	83	153	153	20
Visayas	2025	12	4	24	79	153	153	20
Visayas	2025	12	5	1	75	153	153	20
Visayas	2025	12	5	2	72	153	153	20
Visayas	2025	12	5	3	70	153	153	20
Visayas	2025	12	5	4	68	153	153	20
Visayas	2025	12	5	5	70	153	153	20
Visayas	2025	12	5	6	75	153	153	20
Visayas	2025	12	5	7	73	153	153	20
Visayas	2025	12	5	8	81	153	153	20
Visayas	2025	12	5	9	95	153	153	20
Visayas	2025	12	5	10	106	153	153	20
Visayas	2025	12	5	11	108	153	153	20
Visayas	2025	12	5	12	106	153	153	20
Visayas	2025	12	5	13	104	153	153	20
Visayas	2025	12	5	14	112	153	153	20
Visayas	2025	12	5	15	110	153	153	20
Visayas	2025	12	5	16	107	153	153	20
Visayas	2025	12	5	17	105	153	153	20
Visayas	2025	12	5	18	111	153	153	20
Visayas	2025	12	5	19	105	153	153	20
Visayas	2025	12	5	20	99	153	153	20
Visayas	2025	12	5	21	94	153	153	20
Visayas	2025	12	5	22	88	153	153	20
Visayas	2025	12	5	23	83	153	153	20
Visayas	2025	12	5	24	77	153	153	20
Visayas	2025	12	6	1	74	153	153	20
Visayas	2025	12	6	2	71	153	153	20
Visayas	2025	12	6	3	68	153	153	20
Visayas	2025	12	6	4	67	153	153	20
Visayas	2025	12	6	5	67	153	153	20
Visayas	2025	12	6	6	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	6	7	69	153	153	20
Visayas	2025	12	6	8	77	153	153	20
Visayas	2025	12	6	9	87	153	153	20
Visayas	2025	12	6	10	95	153	153	20
Visayas	2025	12	6	11	98	153	153	20
Visayas	2025	12	6	12	97	153	153	20
Visayas	2025	12	6	13	95	153	153	20
Visayas	2025	12	6	14	100	153	153	20
Visayas	2025	12	6	15	97	153	153	20
Visayas	2025	12	6	16	94	153	153	20
Visayas	2025	12	6	17	93	153	153	20
Visayas	2025	12	6	18	108	153	153	20
Visayas	2025	12	6	19	102	153	153	20
Visayas	2025	12	6	20	99	153	153	20
Visayas	2025	12	6	21	95	153	153	20
Visayas	2025	12	6	22	89	153	153	20
Visayas	2025	12	6	23	83	153	153	20
Visayas	2025	12	6	24	78	153	153	20
Visayas	2025	12	7	1	72	153	153	20
Visayas	2025	12	7	2	69	153	153	20
Visayas	2025	12	7	3	65	153	153	20
Visayas	2025	12	7	4	64	153	153	20
Visayas	2025	12	7	5	65	153	153	20
Visayas	2025	12	7	6	66	153	153	20
Visayas	2025	12	7	7	63	153	153	20
Visayas	2025	12	7	8	67	153	153	20
Visayas	2025	12	7	9	73	153	153	20
Visayas	2025	12	7	10	80	153	153	20
Visayas	2025	12	7	11	82	153	153	20
Visayas	2025	12	7	12	83	153	153	20
Visayas	2025	12	7	13	82	153	153	20
Visayas	2025	12	7	14	85	153	153	20
Visayas	2025	12	7	15	84	153	153	20
Visayas	2025	12	7	16	82	153	153	20
Visayas	2025	12	7	17	85	153	153	20
Visayas	2025	12	7	18	101	153	153	20
Visayas	2025	12	7	19	97	153	153	20
Visayas	2025	12	7	20	94	153	153	20
Visayas	2025	12	7	21	91	153	153	20
Visayas	2025	12	7	22	84	153	153	20
Visayas	2025	12	7	23	78	153	153	20
Visayas	2025	12	7	24	74	153	153	20
Visayas	2025	12	8	1	73	153	153	20
Visayas	2025	12	8	2	70	153	153	20
Visayas	2025	12	8	3	67	153	153	20
Visayas	2025	12	8	4	66	153	153	20
Visayas	2025	12	8	5	68	153	153	20
Visayas	2025	12	8	6	69	153	153	20
Visayas	2025	12	8	7	69	153	153	20
Visayas	2025	12	8	8	76	153	153	20
Visayas	2025	12	8	9	88	153	153	20
Visayas	2025	12	8	10	93	153	153	20
Visayas	2025	12	8	11	95	153	153	20
Visayas	2025	12	8	12	94	153	153	20
Visayas	2025	12	8	13	94	153	153	20
Visayas	2025	12	8	14	98	153	153	20
Visayas	2025	12	8	15	96	153	153	20
Visayas	2025	12	8	16	94	153	153	20
Visayas	2025	12	8	17	93	153	153	20
Visayas	2025	12	8	18	106	153	153	20
Visayas	2025	12	8	19	100	153	153	20
Visayas	2025	12	8	20	94	153	153	20
Visayas	2025	12	8	21	90	153	153	20
Visayas	2025	12	8	22	84	153	153	20
Visayas	2025	12	8	23	77	153	153	20
Visayas	2025	12	8	24	73	153	153	20
Visayas	2025	12	9	1	72	153	153	20
Visayas	2025	12	9	2	69	153	153	20
Visayas	2025	12	9	3	66	153	153	20
Visayas	2025	12	9	4	65	153	153	20
Visayas	2025	12	9	5	70	153	153	20
Visayas	2025	12	9	6	74	153	153	20
Visayas	2025	12	9	7	71	153	153	20
Visayas	2025	12	9	8	81	153	153	20
Visayas	2025	12	9	9	99	153	153	20
Visayas	2025	12	9	10	106	153	153	20
Visayas	2025	12	9	11	109	153	153	20
Visayas	2025	12	9	12	105	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	9	13	105	153	153	20
Visayas	2025	12	9	14	112	153	153	20
Visayas	2025	12	9	15	109	153	153	20
Visayas	2025	12	9	16	106	153	153	20
Visayas	2025	12	9	17	102	153	153	20
Visayas	2025	12	9	18	110	153	153	20
Visayas	2025	12	9	19	103	153	153	20
Visayas	2025	12	9	20	100	153	153	20
Visayas	2025	12	9	21	93	153	153	20
Visayas	2025	12	9	22	86	153	153	20
Visayas	2025	12	9	23	80	153	153	20
Visayas	2025	12	9	24	75	153	153	20
Visayas	2025	12	10	1	71	153	153	20
Visayas	2025	12	10	2	68	153	153	20
Visayas	2025	12	10	3	65	153	153	20
Visayas	2025	12	10	4	65	153	153	20
Visayas	2025	12	10	5	68	153	153	20
Visayas	2025	12	10	6	73	153	153	20
Visayas	2025	12	10	7	68	153	153	20
Visayas	2025	12	10	8	79	153	153	20
Visayas	2025	12	10	9	97	153	153	20
Visayas	2025	12	10	10	102	153	153	20
Visayas	2025	12	10	11	109	153	153	20
Visayas	2025	12	10	12	105	153	153	20
Visayas	2025	12	10	13	105	153	153	20
Visayas	2025	12	10	14	111	153	153	20
Visayas	2025	12	10	15	111	153	153	20
Visayas	2025	12	10	16	108	153	153	20
Visayas	2025	12	10	17	103	153	153	20
Visayas	2025	12	10	18	110	153	153	20
Visayas	2025	12	10	19	104	153	153	20
Visayas	2025	12	10	20	99	153	153	20
Visayas	2025	12	10	21	94	153	153	20
Visayas	2025	12	10	22	88	153	153	20
Visayas	2025	12	10	23	83	153	153	20
Visayas	2025	12	10	24	78	153	153	20
Visayas	2025	12	11	1	76	153	153	20
Visayas	2025	12	11	2	74	153	153	20
Visayas	2025	12	11	3	71	153	153	20
Visayas	2025	12	11	4	69	153	153	20
Visayas	2025	12	11	5	72	153	153	20
Visayas	2025	12	11	6	77	153	153	20
Visayas	2025	12	11	7	75	153	153	20
Visayas	2025	12	11	8	84	153	153	20
Visayas	2025	12	11	9	100	153	153	20
Visayas	2025	12	11	10	109	153	153	20
Visayas	2025	12	11	11	113	153	153	20
Visayas	2025	12	11	12	110	153	153	20
Visayas	2025	12	11	13	110	153	153	20
Visayas	2025	12	11	14	115	153	153	20
Visayas	2025	12	11	15	114	153	153	20
Visayas	2025	12	11	16	112	153	153	20
Visayas	2025	12	11	17	108	153	153	20
Visayas	2025	12	11	18	113	153	153	20
Visayas	2025	12	11	19	106	153	153	20
Visayas	2025	12	11	20	101	153	153	20
Visayas	2025	12	11	21	98	153	153	20
Visayas	2025	12	11	22	90	153	153	20
Visayas	2025	12	11	23	84	153	153	20
Visayas	2025	12	11	24	79	153	153	20
Visayas	2025	12	12	1	68	153	153	20
Visayas	2025	12	12	2	65	153	153	20
Visayas	2025	12	12	3	64	153	153	20
Visayas	2025	12	12	4	64	153	153	20
Visayas	2025	12	12	5	67	153	153	20
Visayas	2025	12	12	6	74	153	153	20
Visayas	2025	12	12	7	72	153	153	20
Visayas	2025	12	12	8	80	153	153	20
Visayas	2025	12	12	9	93	153	153	20
Visayas	2025	12	12	10	102	153	153	20
Visayas	2025	12	12	11	104	153	153	20
Visayas	2025	12	12	12	100	153	153	20
Visayas	2025	12	12	13	97	153	153	20
Visayas	2025	12	12	14	101	153	153	20
Visayas	2025	12	12	15	100	153	153	20
Visayas	2025	12	12	16	98	153	153	20
Visayas	2025	12	12	17	98	153	153	20
Visayas	2025	12	12	18	106	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	12	19	97	153	153	20
Visayas	2025	12	12	20	92	153	153	20
Visayas	2025	12	12	21	88	153	153	20
Visayas	2025	12	12	22	80	153	153	20
Visayas	2025	12	12	23	75	153	153	20
Visayas	2025	12	12	24	70	153	153	20
Visayas	2025	12	13	1	67	153	153	20
Visayas	2025	12	13	2	64	153	153	20
Visayas	2025	12	13	3	63	153	153	20
Visayas	2025	12	13	4	62	153	153	20
Visayas	2025	12	13	5	63	153	153	20
Visayas	2025	12	13	6	66	153	153	20
Visayas	2025	12	13	7	68	153	153	20
Visayas	2025	12	13	8	74	153	153	20
Visayas	2025	12	13	9	84	153	153	20
Visayas	2025	12	13	10	91	153	153	20
Visayas	2025	12	13	11	95	153	153	20
Visayas	2025	12	13	12	91	153	153	20
Visayas	2025	12	13	13	92	153	153	20
Visayas	2025	12	13	14	97	153	153	20
Visayas	2025	12	13	15	94	153	153	20
Visayas	2025	12	13	16	92	153	153	20
Visayas	2025	12	13	17	92	153	153	20
Visayas	2025	12	13	18	103	153	153	20
Visayas	2025	12	13	19	96	153	153	20
Visayas	2025	12	13	20	91	153	153	20
Visayas	2025	12	13	21	87	153	153	20
Visayas	2025	12	13	22	81	153	153	20
Visayas	2025	12	13	23	75	153	153	20
Visayas	2025	12	13	24	70	153	153	20
Visayas	2025	12	14	1	67	153	153	20
Visayas	2025	12	14	2	64	153	153	20
Visayas	2025	12	14	3	62	153	153	20
Visayas	2025	12	14	4	61	153	153	20
Visayas	2025	12	14	5	61	153	153	20
Visayas	2025	12	14	6	61	153	153	20
Visayas	2025	12	14	7	60	153	153	20
Visayas	2025	12	14	8	64	153	153	20
Visayas	2025	12	14	9	68	153	153	20
Visayas	2025	12	14	10	75	153	153	20
Visayas	2025	12	14	11	78	153	153	20
Visayas	2025	12	14	12	78	153	153	20
Visayas	2025	12	14	13	79	153	153	20
Visayas	2025	12	14	14	79	153	153	20
Visayas	2025	12	14	15	78	153	153	20
Visayas	2025	12	14	16	78	153	153	20
Visayas	2025	12	14	17	80	153	153	20
Visayas	2025	12	14	18	100	153	153	20
Visayas	2025	12	14	19	97	153	153	20
Visayas	2025	12	14	20	92	153	153	20
Visayas	2025	12	14	21	88	153	153	20
Visayas	2025	12	14	22	82	153	153	20
Visayas	2025	12	14	23	75	153	153	20
Visayas	2025	12	14	24	72	153	153	20
Visayas	2025	12	15	1	67	153	153	20
Visayas	2025	12	15	2	63	153	153	20
Visayas	2025	12	15	3	61	153	153	20
Visayas	2025	12	15	4	61	153	153	20
Visayas	2025	12	15	5	64	153	153	20
Visayas	2025	12	15	6	70	153	153	20
Visayas	2025	12	15	7	67	153	153	20
Visayas	2025	12	15	8	80	153	153	20
Visayas	2025	12	15	9	95	153	153	20
Visayas	2025	12	15	10	105	153	153	20
Visayas	2025	12	15	11	109	153	153	20
Visayas	2025	12	15	12	105	153	153	20
Visayas	2025	12	15	13	105	153	153	20
Visayas	2025	12	15	14	113	153	153	20
Visayas	2025	12	15	15	111	153	153	20
Visayas	2025	12	15	16	109	153	153	20
Visayas	2025	12	15	17	103	153	153	20
Visayas	2025	12	15	18	112	153	153	20
Visayas	2025	12	15	19	105	153	153	20
Visayas	2025	12	15	20	101	153	153	20
Visayas	2025	12	15	21	93	153	153	20
Visayas	2025	12	15	22	87	153	153	20
Visayas	2025	12	15	23	81	153	153	20
Visayas	2025	12	15	24	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	16	1	73	153	153	20
Visayas	2025	12	16	2	69	153	153	20
Visayas	2025	12	16	3	67	153	153	20
Visayas	2025	12	16	4	66	153	153	20
Visayas	2025	12	16	5	69	153	153	20
Visayas	2025	12	16	6	73	153	153	20
Visayas	2025	12	16	7	71	153	153	20
Visayas	2025	12	16	8	82	153	153	20
Visayas	2025	12	16	9	101	153	153	20
Visayas	2025	12	16	10	107	153	153	20
Visayas	2025	12	16	11	111	153	153	20
Visayas	2025	12	16	12	107	153	153	20
Visayas	2025	12	16	13	107	153	153	20
Visayas	2025	12	16	14	114	153	153	20
Visayas	2025	12	16	15	114	153	153	20
Visayas	2025	12	16	16	112	153	153	20
Visayas	2025	12	16	17	105	153	153	20
Visayas	2025	12	16	18	114	153	153	20
Visayas	2025	12	16	19	109	153	153	20
Visayas	2025	12	16	20	103	153	153	20
Visayas	2025	12	16	21	99	153	153	20
Visayas	2025	12	16	22	90	153	153	20
Visayas	2025	12	16	23	84	153	153	20
Visayas	2025	12	16	24	79	153	153	20
Visayas	2025	12	17	1	76	153	153	20
Visayas	2025	12	17	2	72	153	153	20
Visayas	2025	12	17	3	70	153	153	20
Visayas	2025	12	17	4	69	153	153	20
Visayas	2025	12	17	5	72	153	153	20
Visayas	2025	12	17	6	76	153	153	20
Visayas	2025	12	17	7	74	153	153	20
Visayas	2025	12	17	8	84	153	153	20
Visayas	2025	12	17	9	99	153	153	20
Visayas	2025	12	17	10	108	153	153	20
Visayas	2025	12	17	11	113	153	153	20
Visayas	2025	12	17	12	107	153	153	20
Visayas	2025	12	17	13	109	153	153	20
Visayas	2025	12	17	14	114	153	153	20
Visayas	2025	12	17	15	111	153	153	20
Visayas	2025	12	17	16	109	153	153	20
Visayas	2025	12	17	17	107	153	153	20
Visayas	2025	12	17	18	114	153	153	20
Visayas	2025	12	17	19	108	153	153	20
Visayas	2025	12	17	20	103	153	153	20
Visayas	2025	12	17	21	99	153	153	20
Visayas	2025	12	17	22	92	153	153	20
Visayas	2025	12	17	23	85	153	153	20
Visayas	2025	12	17	24	80	153	153	20
Visayas	2025	12	18	1	76	153	153	20
Visayas	2025	12	18	2	74	153	153	20
Visayas	2025	12	18	3	71	153	153	20
Visayas	2025	12	18	4	69	153	153	20
Visayas	2025	12	18	5	72	153	153	20
Visayas	2025	12	18	6	77	153	153	20
Visayas	2025	12	18	7	75	153	153	20
Visayas	2025	12	18	8	84	153	153	20
Visayas	2025	12	18	9	100	153	153	20
Visayas	2025	12	18	10	109	153	153	20
Visayas	2025	12	18	11	113	153	153	20
Visayas	2025	12	18	12	110	153	153	20
Visayas	2025	12	18	13	110	153	153	20
Visayas	2025	12	18	14	115	153	153	20
Visayas	2025	12	18	15	114	153	153	20
Visayas	2025	12	18	16	112	153	153	20
Visayas	2025	12	18	17	108	153	153	20
Visayas	2025	12	18	18	113	153	153	20
Visayas	2025	12	18	19	106	153	153	20
Visayas	2025	12	18	20	101	153	153	20
Visayas	2025	12	18	21	98	153	153	20
Visayas	2025	12	18	22	90	153	153	20
Visayas	2025	12	18	23	84	153	153	20
Visayas	2025	12	18	24	79	153	153	20
Visayas	2025	12	19	1	75	153	153	20
Visayas	2025	12	19	2	71	153	153	20
Visayas	2025	12	19	3	69	153	153	20
Visayas	2025	12	19	4	69	153	153	20
Visayas	2025	12	19	5	68	153	153	20
Visayas	2025	12	19	6	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	19	7	73	153	153	20
Visayas	2025	12	19	8	80	153	153	20
Visayas	2025	12	19	9	97	153	153	20
Visayas	2025	12	19	10	106	153	153	20
Visayas	2025	12	19	11	107	153	153	20
Visayas	2025	12	19	12	107	153	153	20
Visayas	2025	12	19	13	107	153	153	20
Visayas	2025	12	19	14	112	153	153	20
Visayas	2025	12	19	15	109	153	153	20
Visayas	2025	12	19	16	108	153	153	20
Visayas	2025	12	19	17	104	153	153	20
Visayas	2025	12	19	18	112	153	153	20
Visayas	2025	12	19	19	105	153	153	20
Visayas	2025	12	19	20	103	153	153	20
Visayas	2025	12	19	21	99	153	153	20
Visayas	2025	12	19	22	91	153	153	20
Visayas	2025	12	19	23	84	153	153	20
Visayas	2025	12	19	24	78	153	153	20
Visayas	2025	12	20	1	75	153	153	20
Visayas	2025	12	20	2	72	153	153	20
Visayas	2025	12	20	3	69	153	153	20
Visayas	2025	12	20	4	68	153	153	20
Visayas	2025	12	20	5	68	153	153	20
Visayas	2025	12	20	6	69	153	153	20
Visayas	2025	12	20	7	71	153	153	20
Visayas	2025	12	20	8	76	153	153	20
Visayas	2025	12	20	9	86	153	153	20
Visayas	2025	12	20	10	94	153	153	20
Visayas	2025	12	20	11	97	153	153	20
Visayas	2025	12	20	12	95	153	153	20
Visayas	2025	12	20	13	93	153	153	20
Visayas	2025	12	20	14	94	153	153	20
Visayas	2025	12	20	15	96	153	153	20
Visayas	2025	12	20	16	93	153	153	20
Visayas	2025	12	20	17	95	153	153	20
Visayas	2025	12	20	18	111	153	153	20
Visayas	2025	12	20	19	105	153	153	20
Visayas	2025	12	20	20	99	153	153	20
Visayas	2025	12	20	21	95	153	153	20
Visayas	2025	12	20	22	89	153	153	20
Visayas	2025	12	20	23	83	153	153	20
Visayas	2025	12	20	24	78	153	153	20
Visayas	2025	12	21	1	75	153	153	20
Visayas	2025	12	21	2	71	153	153	20
Visayas	2025	12	21	3	69	153	153	20
Visayas	2025	12	21	4	67	153	153	20
Visayas	2025	12	21	5	66	153	153	20
Visayas	2025	12	21	6	68	153	153	20
Visayas	2025	12	21	7	67	153	153	20
Visayas	2025	12	21	8	71	153	153	20
Visayas	2025	12	21	9	78	153	153	20
Visayas	2025	12	21	10	82	153	153	20
Visayas	2025	12	21	11	83	153	153	20
Visayas	2025	12	21	12	82	153	153	20
Visayas	2025	12	21	13	81	153	153	20
Visayas	2025	12	21	14	82	153	153	20
Visayas	2025	12	21	15	83	153	153	20
Visayas	2025	12	21	16	82	153	153	20
Visayas	2025	12	21	17	84	153	153	20
Visayas	2025	12	21	18	100	153	153	20
Visayas	2025	12	21	19	91	153	153	20
Visayas	2025	12	21	20	87	153	153	20
Visayas	2025	12	21	21	85	153	153	20
Visayas	2025	12	21	22	80	153	153	20
Visayas	2025	12	21	23	75	153	153	20
Visayas	2025	12	21	24	70	153	153	20
Visayas	2025	12	22	1	66	153	153	20
Visayas	2025	12	22	2	64	153	153	20
Visayas	2025	12	22	3	61	153	153	20
Visayas	2025	12	22	4	61	153	153	20
Visayas	2025	12	22	5	61	153	153	20
Visayas	2025	12	22	6	64	153	153	20
Visayas	2025	12	22	7	68	153	153	20
Visayas	2025	12	22	8	78	153	153	20
Visayas	2025	12	22	9	92	153	153	20
Visayas	2025	12	22	10	100	153	153	20
Visayas	2025	12	22	11	104	153	153	20
Visayas	2025	12	22	12	103	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	22	13	101	153	153	20
Visayas	2025	12	22	14	107	153	153	20
Visayas	2025	12	22	15	106	153	153	20
Visayas	2025	12	22	16	103	153	153	20
Visayas	2025	12	22	17	100	153	153	20
Visayas	2025	12	22	18	108	153	153	20
Visayas	2025	12	22	19	102	153	153	20
Visayas	2025	12	22	20	98	153	153	20
Visayas	2025	12	22	21	93	153	153	20
Visayas	2025	12	22	22	86	153	153	20
Visayas	2025	12	22	23	80	153	153	20
Visayas	2025	12	22	24	75	153	153	20
Visayas	2025	12	23	1	71	153	153	20
Visayas	2025	12	23	2	69	153	153	20
Visayas	2025	12	23	3	66	153	153	20
Visayas	2025	12	23	4	66	153	153	20
Visayas	2025	12	23	5	66	153	153	20
Visayas	2025	12	23	6	69	153	153	20
Visayas	2025	12	23	7	72	153	153	20
Visayas	2025	12	23	8	80	153	153	20
Visayas	2025	12	23	9	95	153	153	20
Visayas	2025	12	23	10	99	153	153	20
Visayas	2025	12	23	11	106	153	153	20
Visayas	2025	12	23	12	101	153	153	20
Visayas	2025	12	23	13	100	153	153	20
Visayas	2025	12	23	14	105	153	153	20
Visayas	2025	12	23	15	102	153	153	20
Visayas	2025	12	23	16	100	153	153	20
Visayas	2025	12	23	17	99	153	153	20
Visayas	2025	12	23	18	109	153	153	20
Visayas	2025	12	23	19	102	153	153	20
Visayas	2025	12	23	20	96	153	153	20
Visayas	2025	12	23	21	91	153	153	20
Visayas	2025	12	23	22	85	153	153	20
Visayas	2025	12	23	23	78	153	153	20
Visayas	2025	12	23	24	74	153	153	20
Visayas	2025	12	24	1	64	153	153	20
Visayas	2025	12	24	2	62	153	153	20
Visayas	2025	12	24	3	60	153	153	20
Visayas	2025	12	24	4	60	153	153	20
Visayas	2025	12	24	5	58	153	153	20
Visayas	2025	12	24	6	59	153	153	20
Visayas	2025	12	24	7	62	153	153	20
Visayas	2025	12	24	8	65	153	153	20
Visayas	2025	12	24	9	70	153	153	20
Visayas	2025	12	24	10	72	153	153	20
Visayas	2025	12	24	11	74	153	153	20
Visayas	2025	12	24	12	73	153	153	20
Visayas	2025	12	24	13	70	153	153	20
Visayas	2025	12	24	14	71	153	153	20
Visayas	2025	12	24	15	71	153	153	20
Visayas	2025	12	24	16	71	153	153	20
Visayas	2025	12	24	17	75	153	153	20
Visayas	2025	12	24	18	86	153	153	20
Visayas	2025	12	24	19	80	153	153	20
Visayas	2025	12	24	20	74	153	153	20
Visayas	2025	12	24	21	69	153	153	20
Visayas	2025	12	24	22	65	153	153	20
Visayas	2025	12	24	23	63	153	153	20
Visayas	2025	12	24	24	61	153	153	20
Visayas	2025	12	25	1	60	153	153	20
Visayas	2025	12	25	2	57	153	153	20
Visayas	2025	12	25	3	55	153	153	20
Visayas	2025	12	25	4	54	153	153	20
Visayas	2025	12	25	5	53	153	153	20
Visayas	2025	12	25	6	54	153	153	20
Visayas	2025	12	25	7	56	153	153	20
Visayas	2025	12	25	8	57	153	153	20
Visayas	2025	12	25	9	58	153	153	20
Visayas	2025	12	25	10	58	153	153	20
Visayas	2025	12	25	11	60	153	153	20
Visayas	2025	12	25	12	60	153	153	20
Visayas	2025	12	25	13	60	153	153	20
Visayas	2025	12	25	14	59	153	153	20
Visayas	2025	12	25	15	60	153	153	20
Visayas	2025	12	25	16	60	153	153	20
Visayas	2025	12	25	17	63	153	153	20
Visayas	2025	12	25	18	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	25	19	72	153	153	20
Visayas	2025	12	25	20	70	153	153	20
Visayas	2025	12	25	21	65	153	153	20
Visayas	2025	12	25	22	60	153	153	20
Visayas	2025	12	25	23	57	153	153	20
Visayas	2025	12	25	24	55	153	153	20
Visayas	2025	12	26	1	71	153	153	20
Visayas	2025	12	26	2	68	153	153	20
Visayas	2025	12	26	3	66	153	153	20
Visayas	2025	12	26	4	65	153	153	20
Visayas	2025	12	26	5	65	153	153	20
Visayas	2025	12	26	6	67	153	153	20
Visayas	2025	12	26	7	69	153	153	20
Visayas	2025	12	26	8	77	153	153	20
Visayas	2025	12	26	9	89	153	153	20
Visayas	2025	12	26	10	96	153	153	20
Visayas	2025	12	26	11	100	153	153	20
Visayas	2025	12	26	12	96	153	153	20
Visayas	2025	12	26	13	94	153	153	20
Visayas	2025	12	26	14	97	153	153	20
Visayas	2025	12	26	15	97	153	153	20
Visayas	2025	12	26	16	94	153	153	20
Visayas	2025	12	26	17	92	153	153	20
Visayas	2025	12	26	18	100	153	153	20
Visayas	2025	12	26	19	95	153	153	20
Visayas	2025	12	26	20	88	153	153	20
Visayas	2025	12	26	21	85	153	153	20
Visayas	2025	12	26	22	79	153	153	20
Visayas	2025	12	26	23	73	153	153	20
Visayas	2025	12	26	24	69	153	153	20
Visayas	2025	12	27	1	75	153	153	20
Visayas	2025	12	27	2	72	153	153	20
Visayas	2025	12	27	3	69	153	153	20
Visayas	2025	12	27	4	68	153	153	20
Visayas	2025	12	27	5	68	153	153	20
Visayas	2025	12	27	6	69	153	153	20
Visayas	2025	12	27	7	71	153	153	20
Visayas	2025	12	27	8	76	153	153	20
Visayas	2025	12	27	9	86	153	153	20
Visayas	2025	12	27	10	94	153	153	20
Visayas	2025	12	27	11	97	153	153	20
Visayas	2025	12	27	12	95	153	153	20
Visayas	2025	12	27	13	93	153	153	20
Visayas	2025	12	27	14	94	153	153	20
Visayas	2025	12	27	15	96	153	153	20
Visayas	2025	12	27	16	93	153	153	20
Visayas	2025	12	27	17	95	153	153	20
Visayas	2025	12	27	18	111	153	153	20
Visayas	2025	12	27	19	105	153	153	20
Visayas	2025	12	27	20	99	153	153	20
Visayas	2025	12	27	21	95	153	153	20
Visayas	2025	12	27	22	89	153	153	20
Visayas	2025	12	27	23	83	153	153	20
Visayas	2025	12	27	24	78	153	153	20
Visayas	2025	12	28	1	75	153	153	20
Visayas	2025	12	28	2	71	153	153	20
Visayas	2025	12	28	3	69	153	153	20
Visayas	2025	12	28	4	67	153	153	20
Visayas	2025	12	28	5	66	153	153	20
Visayas	2025	12	28	6	68	153	153	20
Visayas	2025	12	28	7	67	153	153	20
Visayas	2025	12	28	8	71	153	153	20
Visayas	2025	12	28	9	78	153	153	20
Visayas	2025	12	28	10	82	153	153	20
Visayas	2025	12	28	11	83	153	153	20
Visayas	2025	12	28	12	82	153	153	20
Visayas	2025	12	28	13	81	153	153	20
Visayas	2025	12	28	14	82	153	153	20
Visayas	2025	12	28	15	83	153	153	20
Visayas	2025	12	28	16	82	153	153	20
Visayas	2025	12	28	17	84	153	153	20
Visayas	2025	12	28	18	100	153	153	20
Visayas	2025	12	28	19	91	153	153	20
Visayas	2025	12	28	20	87	153	153	20
Visayas	2025	12	28	21	85	153	153	20
Visayas	2025	12	28	22	80	153	153	20
Visayas	2025	12	28	23	75	153	153	20
Visayas	2025	12	28	24	70	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2025	12	29	1	54	153	153	20
Visayas	2025	12	29	2	52	153	153	20
Visayas	2025	12	29	3	51	153	153	20
Visayas	2025	12	29	4	51	153	153	20
Visayas	2025	12	29	5	52	153	153	20
Visayas	2025	12	29	6	53	153	153	20
Visayas	2025	12	29	7	58	153	153	20
Visayas	2025	12	29	8	61	153	153	20
Visayas	2025	12	29	9	67	153	153	20
Visayas	2025	12	29	10	72	153	153	20
Visayas	2025	12	29	11	73	153	153	20
Visayas	2025	12	29	12	72	153	153	20
Visayas	2025	12	29	13	71	153	153	20
Visayas	2025	12	29	14	74	153	153	20
Visayas	2025	12	29	15	72	153	153	20
Visayas	2025	12	29	16	74	153	153	20
Visayas	2025	12	29	17	77	153	153	20
Visayas	2025	12	29	18	88	153	153	20
Visayas	2025	12	29	19	83	153	153	20
Visayas	2025	12	29	20	78	153	153	20
Visayas	2025	12	29	21	72	153	153	20
Visayas	2025	12	29	22	66	153	153	20
Visayas	2025	12	29	23	62	153	153	20
Visayas	2025	12	29	24	59	153	153	20
Visayas	2025	12	30	1	66	153	153	20
Visayas	2025	12	30	2	63	153	153	20
Visayas	2025	12	30	3	61	153	153	20
Visayas	2025	12	30	4	60	153	153	20
Visayas	2025	12	30	5	60	153	153	20
Visayas	2025	12	30	6	61	153	153	20
Visayas	2025	12	30	7	62	153	153	20
Visayas	2025	12	30	8	64	153	153	20
Visayas	2025	12	30	9	73	153	153	20
Visayas	2025	12	30	10	81	153	153	20
Visayas	2025	12	30	11	84	153	153	20
Visayas	2025	12	30	12	83	153	153	20
Visayas	2025	12	30	13	87	153	153	20
Visayas	2025	12	30	14	87	153	153	20
Visayas	2025	12	30	15	88	153	153	20
Visayas	2025	12	30	16	87	153	153	20
Visayas	2025	12	30	17	86	153	153	20
Visayas	2025	12	30	18	101	153	153	20
Visayas	2025	12	30	19	97	153	153	20
Visayas	2025	12	30	20	94	153	153	20
Visayas	2025	12	30	21	90	153	153	20
Visayas	2025	12	30	22	86	153	153	20
Visayas	2025	12	30	23	79	153	153	20
Visayas	2025	12	30	24	74	153	153	20
Visayas	2025	12	31	1	70	153	153	20
Visayas	2025	12	31	2	65	153	153	20
Visayas	2025	12	31	3	64	153	153	20
Visayas	2025	12	31	4	62	153	153	20
Visayas	2025	12	31	5	62	153	153	20
Visayas	2025	12	31	6	63	153	153	20
Visayas	2025	12	31	7	64	153	153	20
Visayas	2025	12	31	8	69	153	153	20
Visayas	2025	12	31	9	77	153	153	20
Visayas	2025	12	31	10	81	153	153	20
Visayas	2025	12	31	11	83	153	153	20
Visayas	2025	12	31	12	85	153	153	20
Visayas	2025	12	31	13	86	153	153	20
Visayas	2025	12	31	14	88	153	153	20
Visayas	2025	12	31	15	87	153	153	20
Visayas	2025	12	31	16	86	153	153	20
Visayas	2025	12	31	17	86	153	153	20
Visayas	2025	12	31	18	98	153	153	20
Visayas	2025	12	31	19	96	153	153	20
Visayas	2025	12	31	20	88	153	153	20
Visayas	2025	12	31	21	87	153	153	20
Visayas	2025	12	31	22	85	153	153	20
Visayas	2025	12	31	23	84	153	153	20
Visayas	2025	12	31	24	84	153	153	20
Visayas	2026	1	1	1	75	153	153	20
Visayas	2026	1	1	2	70	153	153	20
Visayas	2026	1	1	3	64	153	153	20
Visayas	2026	1	1	4	61	153	153	20
Visayas	2026	1	1	5	59	153	153	20
Visayas	2026	1	1	6	57	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	1	7	57	153	153	20
Visayas	2026	1	1	8	58	153	153	20
Visayas	2026	1	1	9	59	153	153	20
Visayas	2026	1	1	10	61	153	153	20
Visayas	2026	1	1	11	63	153	153	20
Visayas	2026	1	1	12	65	153	153	20
Visayas	2026	1	1	13	66	153	153	20
Visayas	2026	1	1	14	67	153	153	20
Visayas	2026	1	1	15	67	153	153	20
Visayas	2026	1	1	16	65	153	153	20
Visayas	2026	1	1	17	66	153	153	20
Visayas	2026	1	1	18	82	153	153	20
Visayas	2026	1	1	19	82	153	153	20
Visayas	2026	1	1	20	80	153	153	20
Visayas	2026	1	1	21	78	153	153	20
Visayas	2026	1	1	22	72	153	153	20
Visayas	2026	1	1	23	67	153	153	20
Visayas	2026	1	1	24	67	153	153	20
Visayas	2026	1	2	1	69	153	153	20
Visayas	2026	1	2	2	67	153	153	20
Visayas	2026	1	2	3	65	153	153	20
Visayas	2026	1	2	4	64	153	153	20
Visayas	2026	1	2	5	65	153	153	20
Visayas	2026	1	2	6	67	153	153	20
Visayas	2026	1	2	7	71	153	153	20
Visayas	2026	1	2	8	78	153	153	20
Visayas	2026	1	2	9	91	153	153	20
Visayas	2026	1	2	10	97	153	153	20
Visayas	2026	1	2	11	100	153	153	20
Visayas	2026	1	2	12	95	153	153	20
Visayas	2026	1	2	13	95	153	153	20
Visayas	2026	1	2	14	98	153	153	20
Visayas	2026	1	2	15	98	153	153	20
Visayas	2026	1	2	16	97	153	153	20
Visayas	2026	1	2	17	94	153	153	20
Visayas	2026	1	2	18	101	153	153	20
Visayas	2026	1	2	19	96	153	153	20
Visayas	2026	1	2	20	92	153	153	20
Visayas	2026	1	2	21	88	153	153	20
Visayas	2026	1	2	22	82	153	153	20
Visayas	2026	1	2	23	76	153	153	20
Visayas	2026	1	2	24	71	153	153	20
Visayas	2026	1	3	1	67	153	153	20
Visayas	2026	1	3	2	64	153	153	20
Visayas	2026	1	3	3	63	153	153	20
Visayas	2026	1	3	4	62	153	153	20
Visayas	2026	1	3	5	63	153	153	20
Visayas	2026	1	3	6	64	153	153	20
Visayas	2026	1	3	7	65	153	153	20
Visayas	2026	1	3	8	69	153	153	20
Visayas	2026	1	3	9	78	153	153	20
Visayas	2026	1	3	10	85	153	153	20
Visayas	2026	1	3	11	91	153	153	20
Visayas	2026	1	3	12	90	153	153	20
Visayas	2026	1	3	13	88	153	153	20
Visayas	2026	1	3	14	89	153	153	20
Visayas	2026	1	3	15	87	153	153	20
Visayas	2026	1	3	16	86	153	153	20
Visayas	2026	1	3	17	87	153	153	20
Visayas	2026	1	3	18	95	153	153	20
Visayas	2026	1	3	19	89	153	153	20
Visayas	2026	1	3	20	85	153	153	20
Visayas	2026	1	3	21	82	153	153	20
Visayas	2026	1	3	22	76	153	153	20
Visayas	2026	1	3	23	71	153	153	20
Visayas	2026	1	3	24	67	153	153	20
Visayas	2026	1	4	1	64	153	153	20
Visayas	2026	1	4	2	63	153	153	20
Visayas	2026	1	4	3	62	153	153	20
Visayas	2026	1	4	4	61	153	153	20
Visayas	2026	1	4	5	60	153	153	20
Visayas	2026	1	4	6	61	153	153	20
Visayas	2026	1	4	7	62	153	153	20
Visayas	2026	1	4	8	64	153	153	20
Visayas	2026	1	4	9	67	153	153	20
Visayas	2026	1	4	10	71	153	153	20
Visayas	2026	1	4	11	75	153	153	20
Visayas	2026	1	4	12	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	4	13	77	153	153	20
Visayas	2026	1	4	14	78	153	153	20
Visayas	2026	1	4	15	77	153	153	20
Visayas	2026	1	4	16	75	153	153	20
Visayas	2026	1	4	17	79	153	153	20
Visayas	2026	1	4	18	94	153	153	20
Visayas	2026	1	4	19	89	153	153	20
Visayas	2026	1	4	20	87	153	153	20
Visayas	2026	1	4	21	83	153	153	20
Visayas	2026	1	4	22	77	153	153	20
Visayas	2026	1	4	23	71	153	153	20
Visayas	2026	1	4	24	67	153	153	20
Visayas	2026	1	5	1	64	153	153	20
Visayas	2026	1	5	2	62	153	153	20
Visayas	2026	1	5	3	61	153	153	20
Visayas	2026	1	5	4	60	153	153	20
Visayas	2026	1	5	5	62	153	153	20
Visayas	2026	1	5	6	62	153	153	20
Visayas	2026	1	5	7	65	153	153	20
Visayas	2026	1	5	8	73	153	153	20
Visayas	2026	1	5	9	88	153	153	20
Visayas	2026	1	5	10	94	153	153	20
Visayas	2026	1	5	11	99	153	153	20
Visayas	2026	1	5	12	97	153	153	20
Visayas	2026	1	5	13	99	153	153	20
Visayas	2026	1	5	14	103	153	153	20
Visayas	2026	1	5	15	104	153	153	20
Visayas	2026	1	5	16	101	153	153	20
Visayas	2026	1	5	17	96	153	153	20
Visayas	2026	1	5	18	105	153	153	20
Visayas	2026	1	5	19	100	153	153	20
Visayas	2026	1	5	20	97	153	153	20
Visayas	2026	1	5	21	93	153	153	20
Visayas	2026	1	5	22	86	153	153	20
Visayas	2026	1	5	23	80	153	153	20
Visayas	2026	1	5	24	75	153	153	20
Visayas	2026	1	6	1	72	153	153	20
Visayas	2026	1	6	2	70	153	153	20
Visayas	2026	1	6	3	67	153	153	20
Visayas	2026	1	6	4	65	153	153	20
Visayas	2026	1	6	5	65	153	153	20
Visayas	2026	1	6	6	68	153	153	20
Visayas	2026	1	6	7	69	153	153	20
Visayas	2026	1	6	8	79	153	153	20
Visayas	2026	1	6	9	91	153	153	20
Visayas	2026	1	6	10	101	153	153	20
Visayas	2026	1	6	11	105	153	153	20
Visayas	2026	1	6	12	103	153	153	20
Visayas	2026	1	6	13	104	153	153	20
Visayas	2026	1	6	14	109	153	153	20
Visayas	2026	1	6	15	107	153	153	20
Visayas	2026	1	6	16	104	153	153	20
Visayas	2026	1	6	17	99	153	153	20
Visayas	2026	1	6	18	107	153	153	20
Visayas	2026	1	6	19	103	153	153	20
Visayas	2026	1	6	20	99	153	153	20
Visayas	2026	1	6	21	95	153	153	20
Visayas	2026	1	6	22	89	153	153	20
Visayas	2026	1	6	23	84	153	153	20
Visayas	2026	1	6	24	78	153	153	20
Visayas	2026	1	7	1	74	153	153	20
Visayas	2026	1	7	2	71	153	153	20
Visayas	2026	1	7	3	69	153	153	20
Visayas	2026	1	7	4	68	153	153	20
Visayas	2026	1	7	5	68	153	153	20
Visayas	2026	1	7	6	71	153	153	20
Visayas	2026	1	7	7	72	153	153	20
Visayas	2026	1	7	8	82	153	153	20
Visayas	2026	1	7	9	96	153	153	20
Visayas	2026	1	7	10	102	153	153	20
Visayas	2026	1	7	11	108	153	153	20
Visayas	2026	1	7	12	104	153	153	20
Visayas	2026	1	7	13	104	153	153	20
Visayas	2026	1	7	14	109	153	153	20
Visayas	2026	1	7	15	107	153	153	20
Visayas	2026	1	7	16	103	153	153	20
Visayas	2026	1	7	17	97	153	153	20
Visayas	2026	1	7	18	106	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	7	19	102	153	153	20
Visayas	2026	1	7	20	99	153	153	20
Visayas	2026	1	7	21	94	153	153	20
Visayas	2026	1	7	22	88	153	153	20
Visayas	2026	1	7	23	82	153	153	20
Visayas	2026	1	7	24	77	153	153	20
Visayas	2026	1	8	1	74	153	153	20
Visayas	2026	1	8	2	71	153	153	20
Visayas	2026	1	8	3	68	153	153	20
Visayas	2026	1	8	4	67	153	153	20
Visayas	2026	1	8	5	67	153	153	20
Visayas	2026	1	8	6	70	153	153	20
Visayas	2026	1	8	7	72	153	153	20
Visayas	2026	1	8	8	81	153	153	20
Visayas	2026	1	8	9	92	153	153	20
Visayas	2026	1	8	10	95	153	153	20
Visayas	2026	1	8	11	100	153	153	20
Visayas	2026	1	8	12	95	153	153	20
Visayas	2026	1	8	13	97	153	153	20
Visayas	2026	1	8	14	100	153	153	20
Visayas	2026	1	8	15	98	153	153	20
Visayas	2026	1	8	16	99	153	153	20
Visayas	2026	1	8	17	96	153	153	20
Visayas	2026	1	8	18	102	153	153	20
Visayas	2026	1	8	19	98	153	153	20
Visayas	2026	1	8	20	96	153	153	20
Visayas	2026	1	8	21	91	153	153	20
Visayas	2026	1	8	22	84	153	153	20
Visayas	2026	1	8	23	78	153	153	20
Visayas	2026	1	8	24	74	153	153	20
Visayas	2026	1	9	1	69	153	153	20
Visayas	2026	1	9	2	67	153	153	20
Visayas	2026	1	9	3	65	153	153	20
Visayas	2026	1	9	4	64	153	153	20
Visayas	2026	1	9	5	65	153	153	20
Visayas	2026	1	9	6	67	153	153	20
Visayas	2026	1	9	7	71	153	153	20
Visayas	2026	1	9	8	78	153	153	20
Visayas	2026	1	9	9	91	153	153	20
Visayas	2026	1	9	10	97	153	153	20
Visayas	2026	1	9	11	100	153	153	20
Visayas	2026	1	9	12	95	153	153	20
Visayas	2026	1	9	13	95	153	153	20
Visayas	2026	1	9	14	98	153	153	20
Visayas	2026	1	9	15	98	153	153	20
Visayas	2026	1	9	16	97	153	153	20
Visayas	2026	1	9	17	94	153	153	20
Visayas	2026	1	9	18	101	153	153	20
Visayas	2026	1	9	19	96	153	153	20
Visayas	2026	1	9	20	92	153	153	20
Visayas	2026	1	9	21	88	153	153	20
Visayas	2026	1	9	22	82	153	153	20
Visayas	2026	1	9	23	76	153	153	20
Visayas	2026	1	9	24	71	153	153	20
Visayas	2026	1	10	1	67	153	153	20
Visayas	2026	1	10	2	64	153	153	20
Visayas	2026	1	10	3	63	153	153	20
Visayas	2026	1	10	4	62	153	153	20
Visayas	2026	1	10	5	63	153	153	20
Visayas	2026	1	10	6	64	153	153	20
Visayas	2026	1	10	7	65	153	153	20
Visayas	2026	1	10	8	69	153	153	20
Visayas	2026	1	10	9	78	153	153	20
Visayas	2026	1	10	10	85	153	153	20
Visayas	2026	1	10	11	91	153	153	20
Visayas	2026	1	10	12	90	153	153	20
Visayas	2026	1	10	13	88	153	153	20
Visayas	2026	1	10	14	89	153	153	20
Visayas	2026	1	10	15	87	153	153	20
Visayas	2026	1	10	16	86	153	153	20
Visayas	2026	1	10	17	87	153	153	20
Visayas	2026	1	10	18	95	153	153	20
Visayas	2026	1	10	19	89	153	153	20
Visayas	2026	1	10	20	85	153	153	20
Visayas	2026	1	10	21	82	153	153	20
Visayas	2026	1	10	22	76	153	153	20
Visayas	2026	1	10	23	71	153	153	20
Visayas	2026	1	10	24	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	11	1	65	153	153	20
Visayas	2026	1	11	2	62	153	153	20
Visayas	2026	1	11	3	61	153	153	20
Visayas	2026	1	11	4	60	153	153	20
Visayas	2026	1	11	5	61	153	153	20
Visayas	2026	1	11	6	62	153	153	20
Visayas	2026	1	11	7	61	153	153	20
Visayas	2026	1	11	8	63	153	153	20
Visayas	2026	1	11	9	67	153	153	20
Visayas	2026	1	11	10	70	153	153	20
Visayas	2026	1	11	11	71	153	153	20
Visayas	2026	1	11	12	69	153	153	20
Visayas	2026	1	11	13	66	153	153	20
Visayas	2026	1	11	14	69	153	153	20
Visayas	2026	1	11	15	65	153	153	20
Visayas	2026	1	11	16	65	153	153	20
Visayas	2026	1	11	17	70	153	153	20
Visayas	2026	1	11	18	84	153	153	20
Visayas	2026	1	11	19	82	153	153	20
Visayas	2026	1	11	20	76	153	153	20
Visayas	2026	1	11	21	74	153	153	20
Visayas	2026	1	11	22	69	153	153	20
Visayas	2026	1	11	23	63	153	153	20
Visayas	2026	1	11	24	61	153	153	20
Visayas	2026	1	12	1	59	153	153	20
Visayas	2026	1	12	2	57	153	153	20
Visayas	2026	1	12	3	55	153	153	20
Visayas	2026	1	12	4	54	153	153	20
Visayas	2026	1	12	5	54	153	153	20
Visayas	2026	1	12	6	59	153	153	20
Visayas	2026	1	12	7	62	153	153	20
Visayas	2026	1	12	8	67	153	153	20
Visayas	2026	1	12	9	77	153	153	20
Visayas	2026	1	12	10	83	153	153	20
Visayas	2026	1	12	11	87	153	153	20
Visayas	2026	1	12	12	83	153	153	20
Visayas	2026	1	12	13	82	153	153	20
Visayas	2026	1	12	14	84	153	153	20
Visayas	2026	1	12	15	85	153	153	20
Visayas	2026	1	12	16	84	153	153	20
Visayas	2026	1	12	17	84	153	153	20
Visayas	2026	1	12	18	91	153	153	20
Visayas	2026	1	12	19	86	153	153	20
Visayas	2026	1	12	20	80	153	153	20
Visayas	2026	1	12	21	75	153	153	20
Visayas	2026	1	12	22	69	153	153	20
Visayas	2026	1	12	23	63	153	153	20
Visayas	2026	1	12	24	61	153	153	20
Visayas	2026	1	13	1	59	153	153	20
Visayas	2026	1	13	2	57	153	153	20
Visayas	2026	1	13	3	57	153	153	20
Visayas	2026	1	13	4	56	153	153	20
Visayas	2026	1	13	5	57	153	153	20
Visayas	2026	1	13	6	60	153	153	20
Visayas	2026	1	13	7	64	153	153	20
Visayas	2026	1	13	8	71	153	153	20
Visayas	2026	1	13	9	80	153	153	20
Visayas	2026	1	13	10	85	153	153	20
Visayas	2026	1	13	11	87	153	153	20
Visayas	2026	1	13	12	85	153	153	20
Visayas	2026	1	13	13	84	153	153	20
Visayas	2026	1	13	14	86	153	153	20
Visayas	2026	1	13	15	86	153	153	20
Visayas	2026	1	13	16	86	153	153	20
Visayas	2026	1	13	17	84	153	153	20
Visayas	2026	1	13	18	90	153	153	20
Visayas	2026	1	13	19	86	153	153	20
Visayas	2026	1	13	20	82	153	153	20
Visayas	2026	1	13	21	76	153	153	20
Visayas	2026	1	13	22	70	153	153	20
Visayas	2026	1	13	23	65	153	153	20
Visayas	2026	1	13	24	62	153	153	20
Visayas	2026	1	14	1	60	153	153	20
Visayas	2026	1	14	2	58	153	153	20
Visayas	2026	1	14	3	57	153	153	20
Visayas	2026	1	14	4	57	153	153	20
Visayas	2026	1	14	5	59	153	153	20
Visayas	2026	1	14	6	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	14	7	65	153	153	20
Visayas	2026	1	14	8	72	153	153	20
Visayas	2026	1	14	9	82	153	153	20
Visayas	2026	1	14	10	88	153	153	20
Visayas	2026	1	14	11	93	153	153	20
Visayas	2026	1	14	12	89	153	153	20
Visayas	2026	1	14	13	89	153	153	20
Visayas	2026	1	14	14	92	153	153	20
Visayas	2026	1	14	15	92	153	153	20
Visayas	2026	1	14	16	91	153	153	20
Visayas	2026	1	14	17	88	153	153	20
Visayas	2026	1	14	18	96	153	153	20
Visayas	2026	1	14	19	92	153	153	20
Visayas	2026	1	14	20	87	153	153	20
Visayas	2026	1	14	21	83	153	153	20
Visayas	2026	1	14	22	76	153	153	20
Visayas	2026	1	14	23	71	153	153	20
Visayas	2026	1	14	24	67	153	153	20
Visayas	2026	1	15	1	65	153	153	20
Visayas	2026	1	15	2	63	153	153	20
Visayas	2026	1	15	3	62	153	153	20
Visayas	2026	1	15	4	62	153	153	20
Visayas	2026	1	15	5	63	153	153	20
Visayas	2026	1	15	6	67	153	153	20
Visayas	2026	1	15	7	70	153	153	20
Visayas	2026	1	15	8	78	153	153	20
Visayas	2026	1	15	9	89	153	153	20
Visayas	2026	1	15	10	96	153	153	20
Visayas	2026	1	15	11	101	153	153	20
Visayas	2026	1	15	12	97	153	153	20
Visayas	2026	1	15	13	97	153	153	20
Visayas	2026	1	15	14	101	153	153	20
Visayas	2026	1	15	15	100	153	153	20
Visayas	2026	1	15	16	100	153	153	20
Visayas	2026	1	15	17	95	153	153	20
Visayas	2026	1	15	18	103	153	153	20
Visayas	2026	1	15	19	98	153	153	20
Visayas	2026	1	15	20	93	153	153	20
Visayas	2026	1	15	21	89	153	153	20
Visayas	2026	1	15	22	83	153	153	20
Visayas	2026	1	15	23	78	153	153	20
Visayas	2026	1	15	24	73	153	153	20
Visayas	2026	1	16	1	70	153	153	20
Visayas	2026	1	16	2	67	153	153	20
Visayas	2026	1	16	3	66	153	153	20
Visayas	2026	1	16	4	64	153	153	20
Visayas	2026	1	16	5	65	153	153	20
Visayas	2026	1	16	6	68	153	153	20
Visayas	2026	1	16	7	71	153	153	20
Visayas	2026	1	16	8	78	153	153	20
Visayas	2026	1	16	9	92	153	153	20
Visayas	2026	1	16	10	99	153	153	20
Visayas	2026	1	16	11	104	153	153	20
Visayas	2026	1	16	12	101	153	153	20
Visayas	2026	1	16	13	99	153	153	20
Visayas	2026	1	16	14	105	153	153	20
Visayas	2026	1	16	15	106	153	153	20
Visayas	2026	1	16	16	101	153	153	20
Visayas	2026	1	16	17	95	153	153	20
Visayas	2026	1	16	18	104	153	153	20
Visayas	2026	1	16	19	100	153	153	20
Visayas	2026	1	16	20	96	153	153	20
Visayas	2026	1	16	21	92	153	153	20
Visayas	2026	1	16	22	86	153	153	20
Visayas	2026	1	16	23	79	153	153	20
Visayas	2026	1	16	24	75	153	153	20
Visayas	2026	1	17	1	71	153	153	20
Visayas	2026	1	17	2	68	153	153	20
Visayas	2026	1	17	3	66	153	153	20
Visayas	2026	1	17	4	65	153	153	20
Visayas	2026	1	17	5	66	153	153	20
Visayas	2026	1	17	6	68	153	153	20
Visayas	2026	1	17	7	67	153	153	20
Visayas	2026	1	17	8	73	153	153	20
Visayas	2026	1	17	9	82	153	153	20
Visayas	2026	1	17	10	86	153	153	20
Visayas	2026	1	17	11	89	153	153	20
Visayas	2026	1	17	12	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	17	13	85	153	153	20
Visayas	2026	1	17	14	88	153	153	20
Visayas	2026	1	17	15	87	153	153	20
Visayas	2026	1	17	16	86	153	153	20
Visayas	2026	1	17	17	87	153	153	20
Visayas	2026	1	17	18	97	153	153	20
Visayas	2026	1	17	19	92	153	153	20
Visayas	2026	1	17	20	87	153	153	20
Visayas	2026	1	17	21	83	153	153	20
Visayas	2026	1	17	22	77	153	153	20
Visayas	2026	1	17	23	71	153	153	20
Visayas	2026	1	17	24	68	153	153	20
Visayas	2026	1	18	1	65	153	153	20
Visayas	2026	1	18	2	64	153	153	20
Visayas	2026	1	18	3	62	153	153	20
Visayas	2026	1	18	4	61	153	153	20
Visayas	2026	1	18	5	61	153	153	20
Visayas	2026	1	18	6	62	153	153	20
Visayas	2026	1	18	7	64	153	153	20
Visayas	2026	1	18	8	65	153	153	20
Visayas	2026	1	18	9	69	153	153	20
Visayas	2026	1	18	10	72	153	153	20
Visayas	2026	1	18	11	75	153	153	20
Visayas	2026	1	18	12	75	153	153	20
Visayas	2026	1	18	13	74	153	153	20
Visayas	2026	1	18	14	74	153	153	20
Visayas	2026	1	18	15	72	153	153	20
Visayas	2026	1	18	16	72	153	153	20
Visayas	2026	1	18	17	74	153	153	20
Visayas	2026	1	18	18	88	153	153	20
Visayas	2026	1	18	19	87	153	153	20
Visayas	2026	1	18	20	83	153	153	20
Visayas	2026	1	18	21	80	153	153	20
Visayas	2026	1	18	22	75	153	153	20
Visayas	2026	1	18	23	70	153	153	20
Visayas	2026	1	18	24	66	153	153	20
Visayas	2026	1	19	1	64	153	153	20
Visayas	2026	1	19	2	61	153	153	20
Visayas	2026	1	19	3	60	153	153	20
Visayas	2026	1	19	4	60	153	153	20
Visayas	2026	1	19	5	61	153	153	20
Visayas	2026	1	19	6	64	153	153	20
Visayas	2026	1	19	7	67	153	153	20
Visayas	2026	1	19	8	74	153	153	20
Visayas	2026	1	19	9	87	153	153	20
Visayas	2026	1	19	10	93	153	153	20
Visayas	2026	1	19	11	96	153	153	20
Visayas	2026	1	19	12	92	153	153	20
Visayas	2026	1	19	13	90	153	153	20
Visayas	2026	1	19	14	93	153	153	20
Visayas	2026	1	19	15	91	153	153	20
Visayas	2026	1	19	16	90	153	153	20
Visayas	2026	1	19	17	90	153	153	20
Visayas	2026	1	19	18	95	153	153	20
Visayas	2026	1	19	19	91	153	153	20
Visayas	2026	1	19	20	86	153	153	20
Visayas	2026	1	19	21	80	153	153	20
Visayas	2026	1	19	22	73	153	153	20
Visayas	2026	1	19	23	69	153	153	20
Visayas	2026	1	19	24	66	153	153	20
Visayas	2026	1	20	1	63	153	153	20
Visayas	2026	1	20	2	62	153	153	20
Visayas	2026	1	20	3	60	153	153	20
Visayas	2026	1	20	4	59	153	153	20
Visayas	2026	1	20	5	62	153	153	20
Visayas	2026	1	20	6	65	153	153	20
Visayas	2026	1	20	7	69	153	153	20
Visayas	2026	1	20	8	77	153	153	20
Visayas	2026	1	20	9	88	153	153	20
Visayas	2026	1	20	10	93	153	153	20
Visayas	2026	1	20	11	97	153	153	20
Visayas	2026	1	20	12	94	153	153	20
Visayas	2026	1	20	13	93	153	153	20
Visayas	2026	1	20	14	96	153	153	20
Visayas	2026	1	20	15	96	153	153	20
Visayas	2026	1	20	16	95	153	153	20
Visayas	2026	1	20	17	91	153	153	20
Visayas	2026	1	20	18	98	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	20	19	95	153	153	20
Visayas	2026	1	20	20	91	153	153	20
Visayas	2026	1	20	21	86	153	153	20
Visayas	2026	1	20	22	81	153	153	20
Visayas	2026	1	20	23	74	153	153	20
Visayas	2026	1	20	24	71	153	153	20
Visayas	2026	1	21	1	67	153	153	20
Visayas	2026	1	21	2	65	153	153	20
Visayas	2026	1	21	3	63	153	153	20
Visayas	2026	1	21	4	63	153	153	20
Visayas	2026	1	21	5	65	153	153	20
Visayas	2026	1	21	6	69	153	153	20
Visayas	2026	1	21	7	72	153	153	20
Visayas	2026	1	21	8	78	153	153	20
Visayas	2026	1	21	9	90	153	153	20
Visayas	2026	1	21	10	97	153	153	20
Visayas	2026	1	21	11	103	153	153	20
Visayas	2026	1	21	12	100	153	153	20
Visayas	2026	1	21	13	101	153	153	20
Visayas	2026	1	21	14	107	153	153	20
Visayas	2026	1	21	15	107	153	153	20
Visayas	2026	1	21	16	103	153	153	20
Visayas	2026	1	21	17	99	153	153	20
Visayas	2026	1	21	18	105	153	153	20
Visayas	2026	1	21	19	101	153	153	20
Visayas	2026	1	21	20	98	153	153	20
Visayas	2026	1	21	21	94	153	153	20
Visayas	2026	1	21	22	87	153	153	20
Visayas	2026	1	21	23	81	153	153	20
Visayas	2026	1	21	24	75	153	153	20
Visayas	2026	1	22	1	71	153	153	20
Visayas	2026	1	22	2	68	153	153	20
Visayas	2026	1	22	3	66	153	153	20
Visayas	2026	1	22	4	65	153	153	20
Visayas	2026	1	22	5	66	153	153	20
Visayas	2026	1	22	6	69	153	153	20
Visayas	2026	1	22	7	71	153	153	20
Visayas	2026	1	22	8	80	153	153	20
Visayas	2026	1	22	9	92	153	153	20
Visayas	2026	1	22	10	99	153	153	20
Visayas	2026	1	22	11	105	153	153	20
Visayas	2026	1	22	12	103	153	153	20
Visayas	2026	1	22	13	103	153	153	20
Visayas	2026	1	22	14	108	153	153	20
Visayas	2026	1	22	15	107	153	153	20
Visayas	2026	1	22	16	105	153	153	20
Visayas	2026	1	22	17	98	153	153	20
Visayas	2026	1	22	18	104	153	153	20
Visayas	2026	1	22	19	102	153	153	20
Visayas	2026	1	22	20	97	153	153	20
Visayas	2026	1	22	21	94	153	153	20
Visayas	2026	1	22	22	88	153	153	20
Visayas	2026	1	22	23	81	153	153	20
Visayas	2026	1	22	24	75	153	153	20
Visayas	2026	1	23	1	71	153	153	20
Visayas	2026	1	23	2	69	153	153	20
Visayas	2026	1	23	3	67	153	153	20
Visayas	2026	1	23	4	65	153	153	20
Visayas	2026	1	23	5	66	153	153	20
Visayas	2026	1	23	6	69	153	153	20
Visayas	2026	1	23	7	72	153	153	20
Visayas	2026	1	23	8	80	153	153	20
Visayas	2026	1	23	9	93	153	153	20
Visayas	2026	1	23	10	100	153	153	20
Visayas	2026	1	23	11	101	153	153	20
Visayas	2026	1	23	12	100	153	153	20
Visayas	2026	1	23	13	100	153	153	20
Visayas	2026	1	23	14	104	153	153	20
Visayas	2026	1	23	15	104	153	153	20
Visayas	2026	1	23	16	102	153	153	20
Visayas	2026	1	23	17	98	153	153	20
Visayas	2026	1	23	18	102	153	153	20
Visayas	2026	1	23	19	101	153	153	20
Visayas	2026	1	23	20	96	153	153	20
Visayas	2026	1	23	21	93	153	153	20
Visayas	2026	1	23	22	86	153	153	20
Visayas	2026	1	23	23	80	153	153	20
Visayas	2026	1	23	24	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	24	1	72	153	153	20
Visayas	2026	1	24	2	69	153	153	20
Visayas	2026	1	24	3	66	153	153	20
Visayas	2026	1	24	4	65	153	153	20
Visayas	2026	1	24	5	65	153	153	20
Visayas	2026	1	24	6	68	153	153	20
Visayas	2026	1	24	7	68	153	153	20
Visayas	2026	1	24	8	73	153	153	20
Visayas	2026	1	24	9	84	153	153	20
Visayas	2026	1	24	10	88	153	153	20
Visayas	2026	1	24	11	92	153	153	20
Visayas	2026	1	24	12	90	153	153	20
Visayas	2026	1	24	13	91	153	153	20
Visayas	2026	1	24	14	97	153	153	20
Visayas	2026	1	24	15	95	153	153	20
Visayas	2026	1	24	16	92	153	153	20
Visayas	2026	1	24	17	89	153	153	20
Visayas	2026	1	24	18	98	153	153	20
Visayas	2026	1	24	19	99	153	153	20
Visayas	2026	1	24	20	96	153	153	20
Visayas	2026	1	24	21	93	153	153	20
Visayas	2026	1	24	22	87	153	153	20
Visayas	2026	1	24	23	81	153	153	20
Visayas	2026	1	24	24	76	153	153	20
Visayas	2026	1	25	1	71	153	153	20
Visayas	2026	1	25	2	69	153	153	20
Visayas	2026	1	25	3	66	153	153	20
Visayas	2026	1	25	4	65	153	153	20
Visayas	2026	1	25	5	65	153	153	20
Visayas	2026	1	25	6	66	153	153	20
Visayas	2026	1	25	7	63	153	153	20
Visayas	2026	1	25	8	64	153	153	20
Visayas	2026	1	25	9	68	153	153	20
Visayas	2026	1	25	10	73	153	153	20
Visayas	2026	1	25	11	77	153	153	20
Visayas	2026	1	25	12	79	153	153	20
Visayas	2026	1	25	13	79	153	153	20
Visayas	2026	1	25	14	81	153	153	20
Visayas	2026	1	25	15	80	153	153	20
Visayas	2026	1	25	16	79	153	153	20
Visayas	2026	1	25	17	78	153	153	20
Visayas	2026	1	25	18	92	153	153	20
Visayas	2026	1	25	19	93	153	153	20
Visayas	2026	1	25	20	93	153	153	20
Visayas	2026	1	25	21	91	153	153	20
Visayas	2026	1	25	22	86	153	153	20
Visayas	2026	1	25	23	80	153	153	20
Visayas	2026	1	25	24	76	153	153	20
Visayas	2026	1	26	1	71	153	153	20
Visayas	2026	1	26	2	68	153	153	20
Visayas	2026	1	26	3	67	153	153	20
Visayas	2026	1	26	4	65	153	153	20
Visayas	2026	1	26	5	65	153	153	20
Visayas	2026	1	26	6	68	153	153	20
Visayas	2026	1	26	7	70	153	153	20
Visayas	2026	1	26	8	81	153	153	20
Visayas	2026	1	26	9	94	153	153	20
Visayas	2026	1	26	10	101	153	153	20
Visayas	2026	1	26	11	107	153	153	20
Visayas	2026	1	26	12	104	153	153	20
Visayas	2026	1	26	13	103	153	153	20
Visayas	2026	1	26	14	109	153	153	20
Visayas	2026	1	26	15	108	153	153	20
Visayas	2026	1	26	16	105	153	153	20
Visayas	2026	1	26	17	98	153	153	20
Visayas	2026	1	26	18	97	153	153	20
Visayas	2026	1	26	19	102	153	153	20
Visayas	2026	1	26	20	97	153	153	20
Visayas	2026	1	26	21	94	153	153	20
Visayas	2026	1	26	22	86	153	153	20
Visayas	2026	1	26	23	80	153	153	20
Visayas	2026	1	26	24	76	153	153	20
Visayas	2026	1	27	1	72	153	153	20
Visayas	2026	1	27	2	69	153	153	20
Visayas	2026	1	27	3	67	153	153	20
Visayas	2026	1	27	4	65	153	153	20
Visayas	2026	1	27	5	66	153	153	20
Visayas	2026	1	27	6	70	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	27	7	72	153	153	20
Visayas	2026	1	27	8	80	153	153	20
Visayas	2026	1	27	9	93	153	153	20
Visayas	2026	1	27	10	102	153	153	20
Visayas	2026	1	27	11	106	153	153	20
Visayas	2026	1	27	12	104	153	153	20
Visayas	2026	1	27	13	105	153	153	20
Visayas	2026	1	27	14	108	153	153	20
Visayas	2026	1	27	15	110	153	153	20
Visayas	2026	1	27	16	106	153	153	20
Visayas	2026	1	27	17	99	153	153	20
Visayas	2026	1	27	18	103	153	153	20
Visayas	2026	1	27	19	103	153	153	20
Visayas	2026	1	27	20	99	153	153	20
Visayas	2026	1	27	21	95	153	153	20
Visayas	2026	1	27	22	90	153	153	20
Visayas	2026	1	27	23	83	153	153	20
Visayas	2026	1	27	24	79	153	153	20
Visayas	2026	1	28	1	75	153	153	20
Visayas	2026	1	28	2	71	153	153	20
Visayas	2026	1	28	3	69	153	153	20
Visayas	2026	1	28	4	67	153	153	20
Visayas	2026	1	28	5	69	153	153	20
Visayas	2026	1	28	6	70	153	153	20
Visayas	2026	1	28	7	73	153	153	20
Visayas	2026	1	28	8	80	153	153	20
Visayas	2026	1	28	9	92	153	153	20
Visayas	2026	1	28	10	98	153	153	20
Visayas	2026	1	28	11	103	153	153	20
Visayas	2026	1	28	12	101	153	153	20
Visayas	2026	1	28	13	101	153	153	20
Visayas	2026	1	28	14	109	153	153	20
Visayas	2026	1	28	15	109	153	153	20
Visayas	2026	1	28	16	105	153	153	20
Visayas	2026	1	28	17	97	153	153	20
Visayas	2026	1	28	18	104	153	153	20
Visayas	2026	1	28	19	103	153	153	20
Visayas	2026	1	28	20	98	153	153	20
Visayas	2026	1	28	21	95	153	153	20
Visayas	2026	1	28	22	88	153	153	20
Visayas	2026	1	28	23	83	153	153	20
Visayas	2026	1	28	24	78	153	153	20
Visayas	2026	1	29	1	74	153	153	20
Visayas	2026	1	29	2	71	153	153	20
Visayas	2026	1	29	3	69	153	153	20
Visayas	2026	1	29	4	67	153	153	20
Visayas	2026	1	29	5	68	153	153	20
Visayas	2026	1	29	6	71	153	153	20
Visayas	2026	1	29	7	72	153	153	20
Visayas	2026	1	29	8	81	153	153	20
Visayas	2026	1	29	9	94	153	153	20
Visayas	2026	1	29	10	98	153	153	20
Visayas	2026	1	29	11	104	153	153	20
Visayas	2026	1	29	12	100	153	153	20
Visayas	2026	1	29	13	101	153	153	20
Visayas	2026	1	29	14	105	153	153	20
Visayas	2026	1	29	15	104	153	153	20
Visayas	2026	1	29	16	101	153	153	20
Visayas	2026	1	29	17	96	153	153	20
Visayas	2026	1	29	18	101	153	153	20
Visayas	2026	1	29	19	96	153	153	20
Visayas	2026	1	29	20	89	153	153	20
Visayas	2026	1	29	21	86	153	153	20
Visayas	2026	1	29	22	79	153	153	20
Visayas	2026	1	29	23	73	153	153	20
Visayas	2026	1	29	24	72	153	153	20
Visayas	2026	1	30	1	69	153	153	20
Visayas	2026	1	30	2	66	153	153	20
Visayas	2026	1	30	3	65	153	153	20
Visayas	2026	1	30	4	63	153	153	20
Visayas	2026	1	30	5	64	153	153	20
Visayas	2026	1	30	6	65	153	153	20
Visayas	2026	1	30	7	67	153	153	20
Visayas	2026	1	30	8	75	153	153	20
Visayas	2026	1	30	9	87	153	153	20
Visayas	2026	1	30	10	94	153	153	20
Visayas	2026	1	30	11	99	153	153	20
Visayas	2026	1	30	12	96	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	1	30	13	98	153	153	20
Visayas	2026	1	30	14	103	153	153	20
Visayas	2026	1	30	15	102	153	153	20
Visayas	2026	1	30	16	100	153	153	20
Visayas	2026	1	30	17	91	153	153	20
Visayas	2026	1	30	18	92	153	153	20
Visayas	2026	1	30	19	92	153	153	20
Visayas	2026	1	30	20	89	153	153	20
Visayas	2026	1	30	21	87	153	153	20
Visayas	2026	1	30	22	84	153	153	20
Visayas	2026	1	30	23	79	153	153	20
Visayas	2026	1	30	24	73	153	153	20
Visayas	2026	1	31	1	70	153	153	20
Visayas	2026	1	31	2	68	153	153	20
Visayas	2026	1	31	3	65	153	153	20
Visayas	2026	1	31	4	64	153	153	20
Visayas	2026	1	31	5	64	153	153	20
Visayas	2026	1	31	6	65	153	153	20
Visayas	2026	1	31	7	67	153	153	20
Visayas	2026	1	31	8	71	153	153	20
Visayas	2026	1	31	9	79	153	153	20
Visayas	2026	1	31	10	81	153	153	20
Visayas	2026	1	31	11	86	153	153	20
Visayas	2026	1	31	12	85	153	153	20
Visayas	2026	1	31	13	87	153	153	20
Visayas	2026	1	31	14	90	153	153	20
Visayas	2026	1	31	15	89	153	153	20
Visayas	2026	1	31	16	87	153	153	20
Visayas	2026	1	31	17	83	153	153	20
Visayas	2026	1	31	18	87	153	153	20
Visayas	2026	1	31	19	91	153	153	20
Visayas	2026	1	31	20	87	153	153	20
Visayas	2026	1	31	21	85	153	153	20
Visayas	2026	1	31	22	81	153	153	20
Visayas	2026	1	31	23	76	153	153	20
Visayas	2026	1	31	24	72	153	153	20
Visayas	2026	2	1	1	68	153	153	20
Visayas	2026	2	1	2	66	153	153	20
Visayas	2026	2	1	3	64	153	153	20
Visayas	2026	2	1	4	63	153	153	20
Visayas	2026	2	1	5	62	153	153	20
Visayas	2026	2	1	6	62	153	153	20
Visayas	2026	2	1	7	57	153	153	20
Visayas	2026	2	1	8	62	153	153	20
Visayas	2026	2	1	9	67	153	153	20
Visayas	2026	2	1	10	72	153	153	20
Visayas	2026	2	1	11	76	153	153	20
Visayas	2026	2	1	12	77	153	153	20
Visayas	2026	2	1	13	78	153	153	20
Visayas	2026	2	1	14	81	153	153	20
Visayas	2026	2	1	15	81	153	153	20
Visayas	2026	2	1	16	79	153	153	20
Visayas	2026	2	1	17	77	153	153	20
Visayas	2026	2	1	18	85	153	153	20
Visayas	2026	2	1	19	88	153	153	20
Visayas	2026	2	1	20	86	153	153	20
Visayas	2026	2	1	21	84	153	153	20
Visayas	2026	2	1	22	82	153	153	20
Visayas	2026	2	1	23	74	153	153	20
Visayas	2026	2	1	24	70	153	153	20
Visayas	2026	2	2	1	68	153	153	20
Visayas	2026	2	2	2	65	153	153	20
Visayas	2026	2	2	3	62	153	153	20
Visayas	2026	2	2	4	61	153	153	20
Visayas	2026	2	2	5	62	153	153	20
Visayas	2026	2	2	6	64	153	153	20
Visayas	2026	2	2	7	65	153	153	20
Visayas	2026	2	2	8	73	153	153	20
Visayas	2026	2	2	9	88	153	153	20
Visayas	2026	2	2	10	96	153	153	20
Visayas	2026	2	2	11	99	153	153	20
Visayas	2026	2	2	12	98	153	153	20
Visayas	2026	2	2	13	99	153	153	20
Visayas	2026	2	2	14	100	153	153	20
Visayas	2026	2	2	15	102	153	153	20
Visayas	2026	2	2	16	99	153	153	20
Visayas	2026	2	2	17	93	153	153	20
Visayas	2026	2	2	18	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	2	19	94	153	153	20
Visayas	2026	2	2	20	91	153	153	20
Visayas	2026	2	2	21	88	153	153	20
Visayas	2026	2	2	22	84	153	153	20
Visayas	2026	2	2	23	80	153	153	20
Visayas	2026	2	2	24	74	153	153	20
Visayas	2026	2	3	1	71	153	153	20
Visayas	2026	2	3	2	68	153	153	20
Visayas	2026	2	3	3	66	153	153	20
Visayas	2026	2	3	4	65	153	153	20
Visayas	2026	2	3	5	65	153	153	20
Visayas	2026	2	3	6	66	153	153	20
Visayas	2026	2	3	7	67	153	153	20
Visayas	2026	2	3	8	71	153	153	20
Visayas	2026	2	3	9	80	153	153	20
Visayas	2026	2	3	10	85	153	153	20
Visayas	2026	2	3	11	89	153	153	20
Visayas	2026	2	3	12	88	153	153	20
Visayas	2026	2	3	13	89	153	153	20
Visayas	2026	2	3	14	94	153	153	20
Visayas	2026	2	3	15	92	153	153	20
Visayas	2026	2	3	16	89	153	153	20
Visayas	2026	2	3	17	85	153	153	20
Visayas	2026	2	3	18	92	153	153	20
Visayas	2026	2	3	19	92	153	153	20
Visayas	2026	2	3	20	89	153	153	20
Visayas	2026	2	3	21	86	153	153	20
Visayas	2026	2	3	22	81	153	153	20
Visayas	2026	2	3	23	76	153	153	20
Visayas	2026	2	3	24	71	153	153	20
Visayas	2026	2	4	1	69	153	153	20
Visayas	2026	2	4	2	66	153	153	20
Visayas	2026	2	4	3	64	153	153	20
Visayas	2026	2	4	4	63	153	153	20
Visayas	2026	2	4	5	64	153	153	20
Visayas	2026	2	4	6	66	153	153	20
Visayas	2026	2	4	7	68	153	153	20
Visayas	2026	2	4	8	76	153	153	20
Visayas	2026	2	4	9	89	153	153	20
Visayas	2026	2	4	10	92	153	153	20
Visayas	2026	2	4	11	92	153	153	20
Visayas	2026	2	4	12	93	153	153	20
Visayas	2026	2	4	13	96	153	153	20
Visayas	2026	2	4	14	100	153	153	20
Visayas	2026	2	4	15	100	153	153	20
Visayas	2026	2	4	16	97	153	153	20
Visayas	2026	2	4	17	91	153	153	20
Visayas	2026	2	4	18	94	153	153	20
Visayas	2026	2	4	19	94	153	153	20
Visayas	2026	2	4	20	90	153	153	20
Visayas	2026	2	4	21	87	153	153	20
Visayas	2026	2	4	22	83	153	153	20
Visayas	2026	2	4	23	78	153	153	20
Visayas	2026	2	4	24	74	153	153	20
Visayas	2026	2	5	1	71	153	153	20
Visayas	2026	2	5	2	69	153	153	20
Visayas	2026	2	5	3	67	153	153	20
Visayas	2026	2	5	4	65	153	153	20
Visayas	2026	2	5	5	66	153	153	20
Visayas	2026	2	5	6	68	153	153	20
Visayas	2026	2	5	7	70	153	153	20
Visayas	2026	2	5	8	78	153	153	20
Visayas	2026	2	5	9	90	153	153	20
Visayas	2026	2	5	10	95	153	153	20
Visayas	2026	2	5	11	99	153	153	20
Visayas	2026	2	5	12	97	153	153	20
Visayas	2026	2	5	13	100	153	153	20
Visayas	2026	2	5	14	104	153	153	20
Visayas	2026	2	5	15	104	153	153	20
Visayas	2026	2	5	16	101	153	153	20
Visayas	2026	2	5	17	95	153	153	20
Visayas	2026	2	5	18	98	153	153	20
Visayas	2026	2	5	19	96	153	153	20
Visayas	2026	2	5	20	93	153	153	20
Visayas	2026	2	5	21	89	153	153	20
Visayas	2026	2	5	22	85	153	153	20
Visayas	2026	2	5	23	81	153	153	20
Visayas	2026	2	5	24	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	6	1	73	153	153	20
Visayas	2026	2	6	2	69	153	153	20
Visayas	2026	2	6	3	68	153	153	20
Visayas	2026	2	6	4	65	153	153	20
Visayas	2026	2	6	5	65	153	153	20
Visayas	2026	2	6	6	68	153	153	20
Visayas	2026	2	6	7	68	153	153	20
Visayas	2026	2	6	8	75	153	153	20
Visayas	2026	2	6	9	86	153	153	20
Visayas	2026	2	6	10	92	153	153	20
Visayas	2026	2	6	11	96	153	153	20
Visayas	2026	2	6	12	93	153	153	20
Visayas	2026	2	6	13	92	153	153	20
Visayas	2026	2	6	14	95	153	153	20
Visayas	2026	2	6	15	96	153	153	20
Visayas	2026	2	6	16	93	153	153	20
Visayas	2026	2	6	17	90	153	153	20
Visayas	2026	2	6	18	94	153	153	20
Visayas	2026	2	6	19	91	153	153	20
Visayas	2026	2	6	20	86	153	153	20
Visayas	2026	2	6	21	84	153	153	20
Visayas	2026	2	6	22	80	153	153	20
Visayas	2026	2	6	23	73	153	153	20
Visayas	2026	2	6	24	71	153	153	20
Visayas	2026	2	7	1	68	153	153	20
Visayas	2026	2	7	2	66	153	153	20
Visayas	2026	2	7	3	65	153	153	20
Visayas	2026	2	7	4	64	153	153	20
Visayas	2026	2	7	5	64	153	153	20
Visayas	2026	2	7	6	66	153	153	20
Visayas	2026	2	7	7	67	153	153	20
Visayas	2026	2	7	8	69	153	153	20
Visayas	2026	2	7	9	78	153	153	20
Visayas	2026	2	7	10	84	153	153	20
Visayas	2026	2	7	11	87	153	153	20
Visayas	2026	2	7	12	85	153	153	20
Visayas	2026	2	7	13	87	153	153	20
Visayas	2026	2	7	14	90	153	153	20
Visayas	2026	2	7	15	87	153	153	20
Visayas	2026	2	7	16	86	153	153	20
Visayas	2026	2	7	17	84	153	153	20
Visayas	2026	2	7	18	92	153	153	20
Visayas	2026	2	7	19	90	153	153	20
Visayas	2026	2	7	20	85	153	153	20
Visayas	2026	2	7	21	84	153	153	20
Visayas	2026	2	7	22	79	153	153	20
Visayas	2026	2	7	23	74	153	153	20
Visayas	2026	2	7	24	69	153	153	20
Visayas	2026	2	8	1	67	153	153	20
Visayas	2026	2	8	2	65	153	153	20
Visayas	2026	2	8	3	63	153	153	20
Visayas	2026	2	8	4	62	153	153	20
Visayas	2026	2	8	5	62	153	153	20
Visayas	2026	2	8	6	63	153	153	20
Visayas	2026	2	8	7	61	153	153	20
Visayas	2026	2	8	8	64	153	153	20
Visayas	2026	2	8	9	67	153	153	20
Visayas	2026	2	8	10	73	153	153	20
Visayas	2026	2	8	11	76	153	153	20
Visayas	2026	2	8	12	73	153	153	20
Visayas	2026	2	8	13	75	153	153	20
Visayas	2026	2	8	14	75	153	153	20
Visayas	2026	2	8	15	73	153	153	20
Visayas	2026	2	8	16	73	153	153	20
Visayas	2026	2	8	17	72	153	153	20
Visayas	2026	2	8	18	85	153	153	20
Visayas	2026	2	8	19	87	153	153	20
Visayas	2026	2	8	20	82	153	153	20
Visayas	2026	2	8	21	80	153	153	20
Visayas	2026	2	8	22	76	153	153	20
Visayas	2026	2	8	23	71	153	153	20
Visayas	2026	2	8	24	68	153	153	20
Visayas	2026	2	9	1	64	153	153	20
Visayas	2026	2	9	2	62	153	153	20
Visayas	2026	2	9	3	61	153	153	20
Visayas	2026	2	9	4	60	153	153	20
Visayas	2026	2	9	5	60	153	153	20
Visayas	2026	2	9	6	64	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	9	7	66	153	153	20
Visayas	2026	2	9	8	74	153	153	20
Visayas	2026	2	9	9	86	153	153	20
Visayas	2026	2	9	10	90	153	153	20
Visayas	2026	2	9	11	95	153	153	20
Visayas	2026	2	9	12	97	153	153	20
Visayas	2026	2	9	13	98	153	153	20
Visayas	2026	2	9	14	103	153	153	20
Visayas	2026	2	9	15	102	153	153	20
Visayas	2026	2	9	16	101	153	153	20
Visayas	2026	2	9	17	93	153	153	20
Visayas	2026	2	9	18	96	153	153	20
Visayas	2026	2	9	19	96	153	153	20
Visayas	2026	2	9	20	92	153	153	20
Visayas	2026	2	9	21	88	153	153	20
Visayas	2026	2	9	22	84	153	153	20
Visayas	2026	2	9	23	79	153	153	20
Visayas	2026	2	9	24	76	153	153	20
Visayas	2026	2	10	1	71	153	153	20
Visayas	2026	2	10	2	69	153	153	20
Visayas	2026	2	10	3	68	153	153	20
Visayas	2026	2	10	4	66	153	153	20
Visayas	2026	2	10	5	67	153	153	20
Visayas	2026	2	10	6	70	153	153	20
Visayas	2026	2	10	7	72	153	153	20
Visayas	2026	2	10	8	80	153	153	20
Visayas	2026	2	10	9	93	153	153	20
Visayas	2026	2	10	10	95	153	153	20
Visayas	2026	2	10	11	101	153	153	20
Visayas	2026	2	10	12	98	153	153	20
Visayas	2026	2	10	13	99	153	153	20
Visayas	2026	2	10	14	104	153	153	20
Visayas	2026	2	10	15	103	153	153	20
Visayas	2026	2	10	16	100	153	153	20
Visayas	2026	2	10	17	91	153	153	20
Visayas	2026	2	10	18	96	153	153	20
Visayas	2026	2	10	19	96	153	153	20
Visayas	2026	2	10	20	91	153	153	20
Visayas	2026	2	10	21	88	153	153	20
Visayas	2026	2	10	22	84	153	153	20
Visayas	2026	2	10	23	79	153	153	20
Visayas	2026	2	10	24	75	153	153	20
Visayas	2026	2	11	1	71	153	153	20
Visayas	2026	2	11	2	68	153	153	20
Visayas	2026	2	11	3	66	153	153	20
Visayas	2026	2	11	4	64	153	153	20
Visayas	2026	2	11	5	65	153	153	20
Visayas	2026	2	11	6	68	153	153	20
Visayas	2026	2	11	7	69	153	153	20
Visayas	2026	2	11	8	78	153	153	20
Visayas	2026	2	11	9	89	153	153	20
Visayas	2026	2	11	10	96	153	153	20
Visayas	2026	2	11	11	99	153	153	20
Visayas	2026	2	11	12	96	153	153	20
Visayas	2026	2	11	13	96	153	153	20
Visayas	2026	2	11	14	99	153	153	20
Visayas	2026	2	11	15	98	153	153	20
Visayas	2026	2	11	16	95	153	153	20
Visayas	2026	2	11	17	90	153	153	20
Visayas	2026	2	11	18	93	153	153	20
Visayas	2026	2	11	19	94	153	153	20
Visayas	2026	2	11	20	90	153	153	20
Visayas	2026	2	11	21	87	153	153	20
Visayas	2026	2	11	22	83	153	153	20
Visayas	2026	2	11	23	78	153	153	20
Visayas	2026	2	11	24	74	153	153	20
Visayas	2026	2	12	1	70	153	153	20
Visayas	2026	2	12	2	67	153	153	20
Visayas	2026	2	12	3	66	153	153	20
Visayas	2026	2	12	4	65	153	153	20
Visayas	2026	2	12	5	65	153	153	20
Visayas	2026	2	12	6	68	153	153	20
Visayas	2026	2	12	7	71	153	153	20
Visayas	2026	2	12	8	78	153	153	20
Visayas	2026	2	12	9	89	153	153	20
Visayas	2026	2	12	10	95	153	153	20
Visayas	2026	2	12	11	98	153	153	20
Visayas	2026	2	12	12	95	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	12	13	95	153	153	20
Visayas	2026	2	12	14	98	153	153	20
Visayas	2026	2	12	15	96	153	153	20
Visayas	2026	2	12	16	95	153	153	20
Visayas	2026	2	12	17	90	153	153	20
Visayas	2026	2	12	18	95	153	153	20
Visayas	2026	2	12	19	93	153	153	20
Visayas	2026	2	12	20	89	153	153	20
Visayas	2026	2	12	21	86	153	153	20
Visayas	2026	2	12	22	81	153	153	20
Visayas	2026	2	12	23	76	153	153	20
Visayas	2026	2	12	24	72	153	153	20
Visayas	2026	2	13	1	70	153	153	20
Visayas	2026	2	13	2	68	153	153	20
Visayas	2026	2	13	3	66	153	153	20
Visayas	2026	2	13	4	65	153	153	20
Visayas	2026	2	13	5	67	153	153	20
Visayas	2026	2	13	6	69	153	153	20
Visayas	2026	2	13	7	71	153	153	20
Visayas	2026	2	13	8	78	153	153	20
Visayas	2026	2	13	9	90	153	153	20
Visayas	2026	2	13	10	94	153	153	20
Visayas	2026	2	13	11	99	153	153	20
Visayas	2026	2	13	12	95	153	153	20
Visayas	2026	2	13	13	96	153	153	20
Visayas	2026	2	13	14	101	153	153	20
Visayas	2026	2	13	15	100	153	153	20
Visayas	2026	2	13	16	96	153	153	20
Visayas	2026	2	13	17	93	153	153	20
Visayas	2026	2	13	18	97	153	153	20
Visayas	2026	2	13	19	94	153	153	20
Visayas	2026	2	13	20	90	153	153	20
Visayas	2026	2	13	21	86	153	153	20
Visayas	2026	2	13	22	82	153	153	20
Visayas	2026	2	13	23	77	153	153	20
Visayas	2026	2	13	24	73	153	153	20
Visayas	2026	2	14	1	69	153	153	20
Visayas	2026	2	14	2	68	153	153	20
Visayas	2026	2	14	3	66	153	153	20
Visayas	2026	2	14	4	65	153	153	20
Visayas	2026	2	14	5	65	153	153	20
Visayas	2026	2	14	6	67	153	153	20
Visayas	2026	2	14	7	68	153	153	20
Visayas	2026	2	14	8	73	153	153	20
Visayas	2026	2	14	9	82	153	153	20
Visayas	2026	2	14	10	87	153	153	20
Visayas	2026	2	14	11	92	153	153	20
Visayas	2026	2	14	12	87	153	153	20
Visayas	2026	2	14	13	88	153	153	20
Visayas	2026	2	14	14	91	153	153	20
Visayas	2026	2	14	15	89	153	153	20
Visayas	2026	2	14	16	88	153	153	20
Visayas	2026	2	14	17	86	153	153	20
Visayas	2026	2	14	18	92	153	153	20
Visayas	2026	2	14	19	91	153	153	20
Visayas	2026	2	14	20	86	153	153	20
Visayas	2026	2	14	21	82	153	153	20
Visayas	2026	2	14	22	77	153	153	20
Visayas	2026	2	14	23	73	153	153	20
Visayas	2026	2	14	24	69	153	153	20
Visayas	2026	2	15	1	66	153	153	20
Visayas	2026	2	15	2	64	153	153	20
Visayas	2026	2	15	3	62	153	153	20
Visayas	2026	2	15	4	61	153	153	20
Visayas	2026	2	15	5	61	153	153	20
Visayas	2026	2	15	6	62	153	153	20
Visayas	2026	2	15	7	61	153	153	20
Visayas	2026	2	15	8	63	153	153	20
Visayas	2026	2	15	9	66	153	153	20
Visayas	2026	2	15	10	72	153	153	20
Visayas	2026	2	15	11	74	153	153	20
Visayas	2026	2	15	12	75	153	153	20
Visayas	2026	2	15	13	75	153	153	20
Visayas	2026	2	15	14	75	153	153	20
Visayas	2026	2	15	15	76	153	153	20
Visayas	2026	2	15	16	75	153	153	20
Visayas	2026	2	15	17	77	153	153	20
Visayas	2026	2	15	18	85	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	15	19	89	153	153	20
Visayas	2026	2	15	20	85	153	153	20
Visayas	2026	2	15	21	82	153	153	20
Visayas	2026	2	15	22	82	153	153	20
Visayas	2026	2	15	23	75	153	153	20
Visayas	2026	2	15	24	69	153	153	20
Visayas	2026	2	16	1	66	153	153	20
Visayas	2026	2	16	2	64	153	153	20
Visayas	2026	2	16	3	62	153	153	20
Visayas	2026	2	16	4	62	153	153	20
Visayas	2026	2	16	5	63	153	153	20
Visayas	2026	2	16	6	66	153	153	20
Visayas	2026	2	16	7	66	153	153	20
Visayas	2026	2	16	8	75	153	153	20
Visayas	2026	2	16	9	89	153	153	20
Visayas	2026	2	16	10	96	153	153	20
Visayas	2026	2	16	11	102	153	153	20
Visayas	2026	2	16	12	101	153	153	20
Visayas	2026	2	16	13	99	153	153	20
Visayas	2026	2	16	14	107	153	153	20
Visayas	2026	2	16	15	107	153	153	20
Visayas	2026	2	16	16	106	153	153	20
Visayas	2026	2	16	17	96	153	153	20
Visayas	2026	2	16	18	97	153	153	20
Visayas	2026	2	16	19	97	153	153	20
Visayas	2026	2	16	20	94	153	153	20
Visayas	2026	2	16	21	91	153	153	20
Visayas	2026	2	16	22	85	153	153	20
Visayas	2026	2	16	23	80	153	153	20
Visayas	2026	2	16	24	74	153	153	20
Visayas	2026	2	17	1	71	153	153	20
Visayas	2026	2	17	2	69	153	153	20
Visayas	2026	2	17	3	66	153	153	20
Visayas	2026	2	17	4	65	153	153	20
Visayas	2026	2	17	5	65	153	153	20
Visayas	2026	2	17	6	69	153	153	20
Visayas	2026	2	17	7	70	153	153	20
Visayas	2026	2	17	8	79	153	153	20
Visayas	2026	2	17	9	94	153	153	20
Visayas	2026	2	17	10	101	153	153	20
Visayas	2026	2	17	11	104	153	153	20
Visayas	2026	2	17	12	102	153	153	20
Visayas	2026	2	17	13	103	153	153	20
Visayas	2026	2	17	14	110	153	153	20
Visayas	2026	2	17	15	109	153	153	20
Visayas	2026	2	17	16	106	153	153	20
Visayas	2026	2	17	17	96	153	153	20
Visayas	2026	2	17	18	98	153	153	20
Visayas	2026	2	17	19	99	153	153	20
Visayas	2026	2	17	20	93	153	153	20
Visayas	2026	2	17	21	90	153	153	20
Visayas	2026	2	17	22	85	153	153	20
Visayas	2026	2	17	23	79	153	153	20
Visayas	2026	2	17	24	74	153	153	20
Visayas	2026	2	18	1	71	153	153	20
Visayas	2026	2	18	2	69	153	153	20
Visayas	2026	2	18	3	67	153	153	20
Visayas	2026	2	18	4	65	153	153	20
Visayas	2026	2	18	5	67	153	153	20
Visayas	2026	2	18	6	69	153	153	20
Visayas	2026	2	18	7	72	153	153	20
Visayas	2026	2	18	8	80	153	153	20
Visayas	2026	2	18	9	94	153	153	20
Visayas	2026	2	18	10	103	153	153	20
Visayas	2026	2	18	11	106	153	153	20
Visayas	2026	2	18	12	103	153	153	20
Visayas	2026	2	18	13	103	153	153	20
Visayas	2026	2	18	14	110	153	153	20
Visayas	2026	2	18	15	108	153	153	20
Visayas	2026	2	18	16	106	153	153	20
Visayas	2026	2	18	17	98	153	153	20
Visayas	2026	2	18	18	97	153	153	20
Visayas	2026	2	18	19	102	153	153	20
Visayas	2026	2	18	20	96	153	153	20
Visayas	2026	2	18	21	93	153	153	20
Visayas	2026	2	18	22	88	153	153	20
Visayas	2026	2	18	23	83	153	153	20
Visayas	2026	2	18	24	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	19	1	74	153	153	20
Visayas	2026	2	19	2	72	153	153	20
Visayas	2026	2	19	3	67	153	153	20
Visayas	2026	2	19	4	66	153	153	20
Visayas	2026	2	19	5	68	153	153	20
Visayas	2026	2	19	6	70	153	153	20
Visayas	2026	2	19	7	71	153	153	20
Visayas	2026	2	19	8	81	153	153	20
Visayas	2026	2	19	9	94	153	153	20
Visayas	2026	2	19	10	99	153	153	20
Visayas	2026	2	19	11	104	153	153	20
Visayas	2026	2	19	12	102	153	153	20
Visayas	2026	2	19	13	103	153	153	20
Visayas	2026	2	19	14	108	153	153	20
Visayas	2026	2	19	15	108	153	153	20
Visayas	2026	2	19	16	107	153	153	20
Visayas	2026	2	19	17	98	153	153	20
Visayas	2026	2	19	18	97	153	153	20
Visayas	2026	2	19	19	100	153	153	20
Visayas	2026	2	19	20	96	153	153	20
Visayas	2026	2	19	21	92	153	153	20
Visayas	2026	2	19	22	87	153	153	20
Visayas	2026	2	19	23	82	153	153	20
Visayas	2026	2	19	24	76	153	153	20
Visayas	2026	2	20	1	74	153	153	20
Visayas	2026	2	20	2	70	153	153	20
Visayas	2026	2	20	3	68	153	153	20
Visayas	2026	2	20	4	67	153	153	20
Visayas	2026	2	20	5	68	153	153	20
Visayas	2026	2	20	6	70	153	153	20
Visayas	2026	2	20	7	72	153	153	20
Visayas	2026	2	20	8	80	153	153	20
Visayas	2026	2	20	9	95	153	153	20
Visayas	2026	2	20	10	97	153	153	20
Visayas	2026	2	20	11	101	153	153	20
Visayas	2026	2	20	12	100	153	153	20
Visayas	2026	2	20	13	101	153	153	20
Visayas	2026	2	20	14	106	153	153	20
Visayas	2026	2	20	15	105	153	153	20
Visayas	2026	2	20	16	102	153	153	20
Visayas	2026	2	20	17	96	153	153	20
Visayas	2026	2	20	18	97	153	153	20
Visayas	2026	2	20	19	98	153	153	20
Visayas	2026	2	20	20	93	153	153	20
Visayas	2026	2	20	21	90	153	153	20
Visayas	2026	2	20	22	84	153	153	20
Visayas	2026	2	20	23	80	153	153	20
Visayas	2026	2	20	24	74	153	153	20
Visayas	2026	2	21	1	73	153	153	20
Visayas	2026	2	21	2	70	153	153	20
Visayas	2026	2	21	3	67	153	153	20
Visayas	2026	2	21	4	65	153	153	20
Visayas	2026	2	21	5	66	153	153	20
Visayas	2026	2	21	6	67	153	153	20
Visayas	2026	2	21	7	66	153	153	20
Visayas	2026	2	21	8	69	153	153	20
Visayas	2026	2	21	9	80	153	153	20
Visayas	2026	2	21	10	83	153	153	20
Visayas	2026	2	21	11	88	153	153	20
Visayas	2026	2	21	12	85	153	153	20
Visayas	2026	2	21	13	86	153	153	20
Visayas	2026	2	21	14	90	153	153	20
Visayas	2026	2	21	15	91	153	153	20
Visayas	2026	2	21	16	89	153	153	20
Visayas	2026	2	21	17	87	153	153	20
Visayas	2026	2	21	18	93	153	153	20
Visayas	2026	2	21	19	96	153	153	20
Visayas	2026	2	21	20	92	153	153	20
Visayas	2026	2	21	21	89	153	153	20
Visayas	2026	2	21	22	85	153	153	20
Visayas	2026	2	21	23	80	153	153	20
Visayas	2026	2	21	24	76	153	153	20
Visayas	2026	2	22	1	71	153	153	20
Visayas	2026	2	22	2	69	153	153	20
Visayas	2026	2	22	3	66	153	153	20
Visayas	2026	2	22	4	65	153	153	20
Visayas	2026	2	22	5	66	153	153	20
Visayas	2026	2	22	6	65	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	22	7	65	153	153	20
Visayas	2026	2	22	8	67	153	153	20
Visayas	2026	2	22	9	70	153	153	20
Visayas	2026	2	22	10	77	153	153	20
Visayas	2026	2	22	11	79	153	153	20
Visayas	2026	2	22	12	79	153	153	20
Visayas	2026	2	22	13	81	153	153	20
Visayas	2026	2	22	14	85	153	153	20
Visayas	2026	2	22	15	85	153	153	20
Visayas	2026	2	22	16	84	153	153	20
Visayas	2026	2	22	17	81	153	153	20
Visayas	2026	2	22	18	91	153	153	20
Visayas	2026	2	22	19	93	153	153	20
Visayas	2026	2	22	20	89	153	153	20
Visayas	2026	2	22	21	89	153	153	20
Visayas	2026	2	22	22	84	153	153	20
Visayas	2026	2	22	23	80	153	153	20
Visayas	2026	2	22	24	74	153	153	20
Visayas	2026	2	23	1	70	153	153	20
Visayas	2026	2	23	2	67	153	153	20
Visayas	2026	2	23	3	65	153	153	20
Visayas	2026	2	23	4	63	153	153	20
Visayas	2026	2	23	5	64	153	153	20
Visayas	2026	2	23	6	66	153	153	20
Visayas	2026	2	23	7	69	153	153	20
Visayas	2026	2	23	8	77	153	153	20
Visayas	2026	2	23	9	93	153	153	20
Visayas	2026	2	23	10	99	153	153	20
Visayas	2026	2	23	11	104	153	153	20
Visayas	2026	2	23	12	100	153	153	20
Visayas	2026	2	23	13	102	153	153	20
Visayas	2026	2	23	14	106	153	153	20
Visayas	2026	2	23	15	106	153	153	20
Visayas	2026	2	23	16	103	153	153	20
Visayas	2026	2	23	17	96	153	153	20
Visayas	2026	2	23	18	96	153	153	20
Visayas	2026	2	23	19	99	153	153	20
Visayas	2026	2	23	20	95	153	153	20
Visayas	2026	2	23	21	93	153	153	20
Visayas	2026	2	23	22	85	153	153	20
Visayas	2026	2	23	23	80	153	153	20
Visayas	2026	2	23	24	75	153	153	20
Visayas	2026	2	24	1	71	153	153	20
Visayas	2026	2	24	2	70	153	153	20
Visayas	2026	2	24	3	67	153	153	20
Visayas	2026	2	24	4	66	153	153	20
Visayas	2026	2	24	5	66	153	153	20
Visayas	2026	2	24	6	69	153	153	20
Visayas	2026	2	24	7	71	153	153	20
Visayas	2026	2	24	8	78	153	153	20
Visayas	2026	2	24	9	90	153	153	20
Visayas	2026	2	24	10	96	153	153	20
Visayas	2026	2	24	11	102	153	153	20
Visayas	2026	2	24	12	98	153	153	20
Visayas	2026	2	24	13	101	153	153	20
Visayas	2026	2	24	14	104	153	153	20
Visayas	2026	2	24	15	103	153	153	20
Visayas	2026	2	24	16	103	153	153	20
Visayas	2026	2	24	17	101	153	153	20
Visayas	2026	2	24	18	98	153	153	20
Visayas	2026	2	24	19	98	153	153	20
Visayas	2026	2	24	20	92	153	153	20
Visayas	2026	2	24	21	88	153	153	20
Visayas	2026	2	24	22	82	153	153	20
Visayas	2026	2	24	23	76	153	153	20
Visayas	2026	2	24	24	72	153	153	20
Visayas	2026	2	25	1	72	153	153	20
Visayas	2026	2	25	2	69	153	153	20
Visayas	2026	2	25	3	67	153	153	20
Visayas	2026	2	25	4	66	153	153	20
Visayas	2026	2	25	5	66	153	153	20
Visayas	2026	2	25	6	67	153	153	20
Visayas	2026	2	25	7	67	153	153	20
Visayas	2026	2	25	8	73	153	153	20
Visayas	2026	2	25	9	83	153	153	20
Visayas	2026	2	25	10	86	153	153	20
Visayas	2026	2	25	11	89	153	153	20
Visayas	2026	2	25	12	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	25	13	88	153	153	20
Visayas	2026	2	25	14	92	153	153	20
Visayas	2026	2	25	15	93	153	153	20
Visayas	2026	2	25	16	91	153	153	20
Visayas	2026	2	25	17	89	153	153	20
Visayas	2026	2	25	18	94	153	153	20
Visayas	2026	2	25	19	98	153	153	20
Visayas	2026	2	25	20	92	153	153	20
Visayas	2026	2	25	21	89	153	153	20
Visayas	2026	2	25	22	85	153	153	20
Visayas	2026	2	25	23	78	153	153	20
Visayas	2026	2	25	24	73	153	153	20
Visayas	2026	2	26	1	68	153	153	20
Visayas	2026	2	26	2	66	153	153	20
Visayas	2026	2	26	3	64	153	153	20
Visayas	2026	2	26	4	64	153	153	20
Visayas	2026	2	26	5	65	153	153	20
Visayas	2026	2	26	6	69	153	153	20
Visayas	2026	2	26	7	69	153	153	20
Visayas	2026	2	26	8	76	153	153	20
Visayas	2026	2	26	9	94	153	153	20
Visayas	2026	2	26	10	99	153	153	20
Visayas	2026	2	26	11	102	153	153	20
Visayas	2026	2	26	12	99	153	153	20
Visayas	2026	2	26	13	101	153	153	20
Visayas	2026	2	26	14	105	153	153	20
Visayas	2026	2	26	15	103	153	153	20
Visayas	2026	2	26	16	101	153	153	20
Visayas	2026	2	26	17	95	153	153	20
Visayas	2026	2	26	18	97	153	153	20
Visayas	2026	2	26	19	100	153	153	20
Visayas	2026	2	26	20	95	153	153	20
Visayas	2026	2	26	21	91	153	153	20
Visayas	2026	2	26	22	85	153	153	20
Visayas	2026	2	26	23	79	153	153	20
Visayas	2026	2	26	24	74	153	153	20
Visayas	2026	2	27	1	69	153	153	20
Visayas	2026	2	27	2	66	153	153	20
Visayas	2026	2	27	3	65	153	153	20
Visayas	2026	2	27	4	64	153	153	20
Visayas	2026	2	27	5	65	153	153	20
Visayas	2026	2	27	6	69	153	153	20
Visayas	2026	2	27	7	71	153	153	20
Visayas	2026	2	27	8	81	153	153	20
Visayas	2026	2	27	9	95	153	153	20
Visayas	2026	2	27	10	101	153	153	20
Visayas	2026	2	27	11	108	153	153	20
Visayas	2026	2	27	12	102	153	153	20
Visayas	2026	2	27	13	103	153	153	20
Visayas	2026	2	27	14	109	153	153	20
Visayas	2026	2	27	15	110	153	153	20
Visayas	2026	2	27	16	105	153	153	20
Visayas	2026	2	27	17	100	153	153	20
Visayas	2026	2	27	18	101	153	153	20
Visayas	2026	2	27	19	104	153	153	20
Visayas	2026	2	27	20	99	153	153	20
Visayas	2026	2	27	21	96	153	153	20
Visayas	2026	2	27	22	90	153	153	20
Visayas	2026	2	27	23	83	153	153	20
Visayas	2026	2	27	24	79	153	153	20
Visayas	2026	2	28	1	70	153	153	20
Visayas	2026	2	28	2	67	153	153	20
Visayas	2026	2	28	3	66	153	153	20
Visayas	2026	2	28	4	64	153	153	20
Visayas	2026	2	28	5	65	153	153	20
Visayas	2026	2	28	6	66	153	153	20
Visayas	2026	2	28	7	63	153	153	20
Visayas	2026	2	28	8	69	153	153	20
Visayas	2026	2	28	9	75	153	153	20
Visayas	2026	2	28	10	82	153	153	20
Visayas	2026	2	28	11	85	153	153	20
Visayas	2026	2	28	12	83	153	153	20
Visayas	2026	2	28	13	83	153	153	20
Visayas	2026	2	28	14	88	153	153	20
Visayas	2026	2	28	15	87	153	153	20
Visayas	2026	2	28	16	86	153	153	20
Visayas	2026	2	28	17	83	153	153	20
Visayas	2026	2	28	18	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	2	28	19	96	153	153	20
Visayas	2026	2	28	20	91	153	153	20
Visayas	2026	2	28	21	87	153	153	20
Visayas	2026	2	28	22	84	153	153	20
Visayas	2026	2	28	23	77	153	153	20
Visayas	2026	2	28	24	74	153	153	20
Visayas	2026	3	1	1	71	153	153	20
Visayas	2026	3	1	2	69	153	153	20
Visayas	2026	3	1	3	66	153	153	20
Visayas	2026	3	1	4	65	153	153	20
Visayas	2026	3	1	5	65	153	153	20
Visayas	2026	3	1	6	65	153	153	20
Visayas	2026	3	1	7	65	153	153	20
Visayas	2026	3	1	8	67	153	153	20
Visayas	2026	3	1	9	72	153	153	20
Visayas	2026	3	1	10	77	153	153	20
Visayas	2026	3	1	11	78	153	153	20
Visayas	2026	3	1	12	77	153	153	20
Visayas	2026	3	1	13	77	153	153	20
Visayas	2026	3	1	14	79	153	153	20
Visayas	2026	3	1	15	79	153	153	20
Visayas	2026	3	1	16	80	153	153	20
Visayas	2026	3	1	17	79	153	153	20
Visayas	2026	3	1	18	87	153	153	20
Visayas	2026	3	1	19	91	153	153	20
Visayas	2026	3	1	20	87	153	153	20
Visayas	2026	3	1	21	85	153	153	20
Visayas	2026	3	1	22	80	153	153	20
Visayas	2026	3	1	23	73	153	153	20
Visayas	2026	3	1	24	69	153	153	20
Visayas	2026	3	2	1	65	153	153	20
Visayas	2026	3	2	2	63	153	153	20
Visayas	2026	3	2	3	62	153	153	20
Visayas	2026	3	2	4	62	153	153	20
Visayas	2026	3	2	5	63	153	153	20
Visayas	2026	3	2	6	67	153	153	20
Visayas	2026	3	2	7	67	153	153	20
Visayas	2026	3	2	8	76	153	153	20
Visayas	2026	3	2	9	88	153	153	20
Visayas	2026	3	2	10	94	153	153	20
Visayas	2026	3	2	11	96	153	153	20
Visayas	2026	3	2	12	93	153	153	20
Visayas	2026	3	2	13	92	153	153	20
Visayas	2026	3	2	14	95	153	153	20
Visayas	2026	3	2	15	95	153	153	20
Visayas	2026	3	2	16	94	153	153	20
Visayas	2026	3	2	17	91	153	153	20
Visayas	2026	3	2	18	93	153	153	20
Visayas	2026	3	2	19	94	153	153	20
Visayas	2026	3	2	20	89	153	153	20
Visayas	2026	3	2	21	85	153	153	20
Visayas	2026	3	2	22	80	153	153	20
Visayas	2026	3	2	23	75	153	153	20
Visayas	2026	3	2	24	70	153	153	20
Visayas	2026	3	3	1	66	153	153	20
Visayas	2026	3	3	2	64	153	153	20
Visayas	2026	3	3	3	63	153	153	20
Visayas	2026	3	3	4	62	153	153	20
Visayas	2026	3	3	5	63	153	153	20
Visayas	2026	3	3	6	67	153	153	20
Visayas	2026	3	3	7	70	153	153	20
Visayas	2026	3	3	8	77	153	153	20
Visayas	2026	3	3	9	94	153	153	20
Visayas	2026	3	3	10	102	153	153	20
Visayas	2026	3	3	11	106	153	153	20
Visayas	2026	3	3	12	104	153	153	20
Visayas	2026	3	3	13	109	153	153	20
Visayas	2026	3	3	14	109	153	153	20
Visayas	2026	3	3	15	107	153	153	20
Visayas	2026	3	3	16	104	153	153	20
Visayas	2026	3	3	17	100	153	153	20
Visayas	2026	3	3	18	100	153	153	20
Visayas	2026	3	3	19	103	153	153	20
Visayas	2026	3	3	20	97	153	153	20
Visayas	2026	3	3	21	95	153	153	20
Visayas	2026	3	3	22	88	153	153	20
Visayas	2026	3	3	23	81	153	153	20
Visayas	2026	3	3	24	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	4	1	72	153	153	20
Visayas	2026	3	4	2	70	153	153	20
Visayas	2026	3	4	3	67	153	153	20
Visayas	2026	3	4	4	65	153	153	20
Visayas	2026	3	4	5	66	153	153	20
Visayas	2026	3	4	6	69	153	153	20
Visayas	2026	3	4	7	70	153	153	20
Visayas	2026	3	4	8	82	153	153	20
Visayas	2026	3	4	9	95	153	153	20
Visayas	2026	3	4	10	101	153	153	20
Visayas	2026	3	4	11	107	153	153	20
Visayas	2026	3	4	12	103	153	153	20
Visayas	2026	3	4	13	103	153	153	20
Visayas	2026	3	4	14	110	153	153	20
Visayas	2026	3	4	15	109	153	153	20
Visayas	2026	3	4	16	105	153	153	20
Visayas	2026	3	4	17	98	153	153	20
Visayas	2026	3	4	18	99	153	153	20
Visayas	2026	3	4	19	100	153	153	20
Visayas	2026	3	4	20	97	153	153	20
Visayas	2026	3	4	21	93	153	153	20
Visayas	2026	3	4	22	88	153	153	20
Visayas	2026	3	4	23	83	153	153	20
Visayas	2026	3	4	24	77	153	153	20
Visayas	2026	3	5	1	75	153	153	20
Visayas	2026	3	5	2	71	153	153	20
Visayas	2026	3	5	3	69	153	153	20
Visayas	2026	3	5	4	68	153	153	20
Visayas	2026	3	5	5	69	153	153	20
Visayas	2026	3	5	6	73	153	153	20
Visayas	2026	3	5	7	73	153	153	20
Visayas	2026	3	5	8	83	153	153	20
Visayas	2026	3	5	9	96	153	153	20
Visayas	2026	3	5	10	103	153	153	20
Visayas	2026	3	5	11	108	153	153	20
Visayas	2026	3	5	12	104	153	153	20
Visayas	2026	3	5	13	102	153	153	20
Visayas	2026	3	5	14	107	153	153	20
Visayas	2026	3	5	15	103	153	153	20
Visayas	2026	3	5	16	99	153	153	20
Visayas	2026	3	5	17	96	153	153	20
Visayas	2026	3	5	18	97	153	153	20
Visayas	2026	3	5	19	98	153	153	20
Visayas	2026	3	5	20	93	153	153	20
Visayas	2026	3	5	21	91	153	153	20
Visayas	2026	3	5	22	81	153	153	20
Visayas	2026	3	5	23	78	153	153	20
Visayas	2026	3	5	24	72	153	153	20
Visayas	2026	3	6	1	69	153	153	20
Visayas	2026	3	6	2	66	153	153	20
Visayas	2026	3	6	3	65	153	153	20
Visayas	2026	3	6	4	64	153	153	20
Visayas	2026	3	6	5	65	153	153	20
Visayas	2026	3	6	6	69	153	153	20
Visayas	2026	3	6	7	71	153	153	20
Visayas	2026	3	6	8	81	153	153	20
Visayas	2026	3	6	9	95	153	153	20
Visayas	2026	3	6	10	101	153	153	20
Visayas	2026	3	6	11	108	153	153	20
Visayas	2026	3	6	12	102	153	153	20
Visayas	2026	3	6	13	103	153	153	20
Visayas	2026	3	6	14	109	153	153	20
Visayas	2026	3	6	15	110	153	153	20
Visayas	2026	3	6	16	105	153	153	20
Visayas	2026	3	6	17	100	153	153	20
Visayas	2026	3	6	18	101	153	153	20
Visayas	2026	3	6	19	104	153	153	20
Visayas	2026	3	6	20	99	153	153	20
Visayas	2026	3	6	21	96	153	153	20
Visayas	2026	3	6	22	90	153	153	20
Visayas	2026	3	6	23	83	153	153	20
Visayas	2026	3	6	24	79	153	153	20
Visayas	2026	3	7	1	75	153	153	20
Visayas	2026	3	7	2	72	153	153	20
Visayas	2026	3	7	3	70	153	153	20
Visayas	2026	3	7	4	69	153	153	20
Visayas	2026	3	7	5	69	153	153	20
Visayas	2026	3	7	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	7	7	70	153	153	20
Visayas	2026	3	7	8	77	153	153	20
Visayas	2026	3	7	9	86	153	153	20
Visayas	2026	3	7	10	94	153	153	20
Visayas	2026	3	7	11	98	153	153	20
Visayas	2026	3	7	12	95	153	153	20
Visayas	2026	3	7	13	96	153	153	20
Visayas	2026	3	7	14	99	153	153	20
Visayas	2026	3	7	15	97	153	153	20
Visayas	2026	3	7	16	95	153	153	20
Visayas	2026	3	7	17	92	153	153	20
Visayas	2026	3	7	18	95	153	153	20
Visayas	2026	3	7	19	98	153	153	20
Visayas	2026	3	7	20	95	153	153	20
Visayas	2026	3	7	21	91	153	153	20
Visayas	2026	3	7	22	86	153	153	20
Visayas	2026	3	7	23	81	153	153	20
Visayas	2026	3	7	24	76	153	153	20
Visayas	2026	3	8	1	73	153	153	20
Visayas	2026	3	8	2	70	153	153	20
Visayas	2026	3	8	3	68	153	153	20
Visayas	2026	3	8	4	66	153	153	20
Visayas	2026	3	8	5	65	153	153	20
Visayas	2026	3	8	6	68	153	153	20
Visayas	2026	3	8	7	65	153	153	20
Visayas	2026	3	8	8	67	153	153	20
Visayas	2026	3	8	9	72	153	153	20
Visayas	2026	3	8	10	76	153	153	20
Visayas	2026	3	8	11	80	153	153	20
Visayas	2026	3	8	12	77	153	153	20
Visayas	2026	3	8	13	75	153	153	20
Visayas	2026	3	8	14	76	153	153	20
Visayas	2026	3	8	15	76	153	153	20
Visayas	2026	3	8	16	76	153	153	20
Visayas	2026	3	8	17	78	153	153	20
Visayas	2026	3	8	18	82	153	153	20
Visayas	2026	3	8	19	87	153	153	20
Visayas	2026	3	8	20	82	153	153	20
Visayas	2026	3	8	21	78	153	153	20
Visayas	2026	3	8	22	72	153	153	20
Visayas	2026	3	8	23	68	153	153	20
Visayas	2026	3	8	24	65	153	153	20
Visayas	2026	3	9	1	63	153	153	20
Visayas	2026	3	9	2	62	153	153	20
Visayas	2026	3	9	3	61	153	153	20
Visayas	2026	3	9	4	60	153	153	20
Visayas	2026	3	9	5	61	153	153	20
Visayas	2026	3	9	6	67	153	153	20
Visayas	2026	3	9	7	68	153	153	20
Visayas	2026	3	9	8	78	153	153	20
Visayas	2026	3	9	9	87	153	153	20
Visayas	2026	3	9	10	95	153	153	20
Visayas	2026	3	9	11	98	153	153	20
Visayas	2026	3	9	12	95	153	153	20
Visayas	2026	3	9	13	95	153	153	20
Visayas	2026	3	9	14	99	153	153	20
Visayas	2026	3	9	15	101	153	153	20
Visayas	2026	3	9	16	98	153	153	20
Visayas	2026	3	9	17	94	153	153	20
Visayas	2026	3	9	18	99	153	153	20
Visayas	2026	3	9	19	97	153	153	20
Visayas	2026	3	9	20	92	153	153	20
Visayas	2026	3	9	21	87	153	153	20
Visayas	2026	3	9	22	81	153	153	20
Visayas	2026	3	9	23	75	153	153	20
Visayas	2026	3	9	24	71	153	153	20
Visayas	2026	3	10	1	69	153	153	20
Visayas	2026	3	10	2	67	153	153	20
Visayas	2026	3	10	3	66	153	153	20
Visayas	2026	3	10	4	65	153	153	20
Visayas	2026	3	10	5	66	153	153	20
Visayas	2026	3	10	6	72	153	153	20
Visayas	2026	3	10	7	73	153	153	20
Visayas	2026	3	10	8	83	153	153	20
Visayas	2026	3	10	9	96	153	153	20
Visayas	2026	3	10	10	104	153	153	20
Visayas	2026	3	10	11	106	153	153	20
Visayas	2026	3	10	12	103	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	10	13	105	153	153	20
Visayas	2026	3	10	14	110	153	153	20
Visayas	2026	3	10	15	108	153	153	20
Visayas	2026	3	10	16	105	153	153	20
Visayas	2026	3	10	17	95	153	153	20
Visayas	2026	3	10	18	96	153	153	20
Visayas	2026	3	10	19	100	153	153	20
Visayas	2026	3	10	20	94	153	153	20
Visayas	2026	3	10	21	90	153	153	20
Visayas	2026	3	10	22	85	153	153	20
Visayas	2026	3	10	23	80	153	153	20
Visayas	2026	3	10	24	74	153	153	20
Visayas	2026	3	11	1	72	153	153	20
Visayas	2026	3	11	2	70	153	153	20
Visayas	2026	3	11	3	68	153	153	20
Visayas	2026	3	11	4	67	153	153	20
Visayas	2026	3	11	5	68	153	153	20
Visayas	2026	3	11	6	72	153	153	20
Visayas	2026	3	11	7	74	153	153	20
Visayas	2026	3	11	8	83	153	153	20
Visayas	2026	3	11	9	96	153	153	20
Visayas	2026	3	11	10	104	153	153	20
Visayas	2026	3	11	11	105	153	153	20
Visayas	2026	3	11	12	101	153	153	20
Visayas	2026	3	11	13	100	153	153	20
Visayas	2026	3	11	14	105	153	153	20
Visayas	2026	3	11	15	103	153	153	20
Visayas	2026	3	11	16	101	153	153	20
Visayas	2026	3	11	17	95	153	153	20
Visayas	2026	3	11	18	99	153	153	20
Visayas	2026	3	11	19	100	153	153	20
Visayas	2026	3	11	20	93	153	153	20
Visayas	2026	3	11	21	89	153	153	20
Visayas	2026	3	11	22	82	153	153	20
Visayas	2026	3	11	23	78	153	153	20
Visayas	2026	3	11	24	74	153	153	20
Visayas	2026	3	12	1	71	153	153	20
Visayas	2026	3	12	2	68	153	153	20
Visayas	2026	3	12	3	65	153	153	20
Visayas	2026	3	12	4	64	153	153	20
Visayas	2026	3	12	5	64	153	153	20
Visayas	2026	3	12	6	69	153	153	20
Visayas	2026	3	12	7	71	153	153	20
Visayas	2026	3	12	8	79	153	153	20
Visayas	2026	3	12	9	91	153	153	20
Visayas	2026	3	12	10	99	153	153	20
Visayas	2026	3	12	11	101	153	153	20
Visayas	2026	3	12	12	98	153	153	20
Visayas	2026	3	12	13	98	153	153	20
Visayas	2026	3	12	14	103	153	153	20
Visayas	2026	3	12	15	101	153	153	20
Visayas	2026	3	12	16	100	153	153	20
Visayas	2026	3	12	17	96	153	153	20
Visayas	2026	3	12	18	99	153	153	20
Visayas	2026	3	12	19	102	153	153	20
Visayas	2026	3	12	20	95	153	153	20
Visayas	2026	3	12	21	90	153	153	20
Visayas	2026	3	12	22	85	153	153	20
Visayas	2026	3	12	23	79	153	153	20
Visayas	2026	3	12	24	75	153	153	20
Visayas	2026	3	13	1	72	153	153	20
Visayas	2026	3	13	2	70	153	153	20
Visayas	2026	3	13	3	67	153	153	20
Visayas	2026	3	13	4	66	153	153	20
Visayas	2026	3	13	5	68	153	153	20
Visayas	2026	3	13	6	72	153	153	20
Visayas	2026	3	13	7	73	153	153	20
Visayas	2026	3	13	8	80	153	153	20
Visayas	2026	3	13	9	93	153	153	20
Visayas	2026	3	13	10	101	153	153	20
Visayas	2026	3	13	11	105	153	153	20
Visayas	2026	3	13	12	104	153	153	20
Visayas	2026	3	13	13	104	153	153	20
Visayas	2026	3	13	14	107	153	153	20
Visayas	2026	3	13	15	107	153	153	20
Visayas	2026	3	13	16	104	153	153	20
Visayas	2026	3	13	17	97	153	153	20
Visayas	2026	3	13	18	99	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	13	19	101	153	153	20
Visayas	2026	3	13	20	96	153	153	20
Visayas	2026	3	13	21	93	153	153	20
Visayas	2026	3	13	22	87	153	153	20
Visayas	2026	3	13	23	82	153	153	20
Visayas	2026	3	13	24	77	153	153	20
Visayas	2026	3	14	1	74	153	153	20
Visayas	2026	3	14	2	71	153	153	20
Visayas	2026	3	14	3	69	153	153	20
Visayas	2026	3	14	4	68	153	153	20
Visayas	2026	3	14	5	69	153	153	20
Visayas	2026	3	14	6	72	153	153	20
Visayas	2026	3	14	7	70	153	153	20
Visayas	2026	3	14	8	79	153	153	20
Visayas	2026	3	14	9	87	153	153	20
Visayas	2026	3	14	10	94	153	153	20
Visayas	2026	3	14	11	97	153	153	20
Visayas	2026	3	14	12	94	153	153	20
Visayas	2026	3	14	13	96	153	153	20
Visayas	2026	3	14	14	99	153	153	20
Visayas	2026	3	14	15	97	153	153	20
Visayas	2026	3	14	16	93	153	153	20
Visayas	2026	3	14	17	89	153	153	20
Visayas	2026	3	14	18	95	153	153	20
Visayas	2026	3	14	19	99	153	153	20
Visayas	2026	3	14	20	95	153	153	20
Visayas	2026	3	14	21	92	153	153	20
Visayas	2026	3	14	22	87	153	153	20
Visayas	2026	3	14	23	82	153	153	20
Visayas	2026	3	14	24	77	153	153	20
Visayas	2026	3	15	1	73	153	153	20
Visayas	2026	3	15	2	70	153	153	20
Visayas	2026	3	15	3	68	153	153	20
Visayas	2026	3	15	4	66	153	153	20
Visayas	2026	3	15	5	67	153	153	20
Visayas	2026	3	15	6	67	153	153	20
Visayas	2026	3	15	7	65	153	153	20
Visayas	2026	3	15	8	69	153	153	20
Visayas	2026	3	15	9	74	153	153	20
Visayas	2026	3	15	10	79	153	153	20
Visayas	2026	3	15	11	82	153	153	20
Visayas	2026	3	15	12	82	153	153	20
Visayas	2026	3	15	13	82	153	153	20
Visayas	2026	3	15	14	84	153	153	20
Visayas	2026	3	15	15	83	153	153	20
Visayas	2026	3	15	16	83	153	153	20
Visayas	2026	3	15	17	85	153	153	20
Visayas	2026	3	15	18	91	153	153	20
Visayas	2026	3	15	19	95	153	153	20
Visayas	2026	3	15	20	92	153	153	20
Visayas	2026	3	15	21	91	153	153	20
Visayas	2026	3	15	22	88	153	153	20
Visayas	2026	3	15	23	82	153	153	20
Visayas	2026	3	15	24	76	153	153	20
Visayas	2026	3	16	1	73	153	153	20
Visayas	2026	3	16	2	70	153	153	20
Visayas	2026	3	16	3	67	153	153	20
Visayas	2026	3	16	4	66	153	153	20
Visayas	2026	3	16	5	67	153	153	20
Visayas	2026	3	16	6	71	153	153	20
Visayas	2026	3	16	7	72	153	153	20
Visayas	2026	3	16	8	85	153	153	20
Visayas	2026	3	16	9	101	153	153	20
Visayas	2026	3	16	10	106	153	153	20
Visayas	2026	3	16	11	110	153	153	20
Visayas	2026	3	16	12	110	153	153	20
Visayas	2026	3	16	13	109	153	153	20
Visayas	2026	3	16	14	113	153	153	20
Visayas	2026	3	16	15	114	153	153	20
Visayas	2026	3	16	16	110	153	153	20
Visayas	2026	3	16	17	104	153	153	20
Visayas	2026	3	16	18	104	153	153	20
Visayas	2026	3	16	19	107	153	153	20
Visayas	2026	3	16	20	103	153	153	20
Visayas	2026	3	16	21	99	153	153	20
Visayas	2026	3	16	22	92	153	153	20
Visayas	2026	3	16	23	87	153	153	20
Visayas	2026	3	16	24	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	17	1	78	153	153	20
Visayas	2026	3	17	2	74	153	153	20
Visayas	2026	3	17	3	72	153	153	20
Visayas	2026	3	17	4	71	153	153	20
Visayas	2026	3	17	5	71	153	153	20
Visayas	2026	3	17	6	76	153	153	20
Visayas	2026	3	17	7	76	153	153	20
Visayas	2026	3	17	8	85	153	153	20
Visayas	2026	3	17	9	100	153	153	20
Visayas	2026	3	17	10	108	153	153	20
Visayas	2026	3	17	11	113	153	153	20
Visayas	2026	3	17	12	110	153	153	20
Visayas	2026	3	17	13	112	153	153	20
Visayas	2026	3	17	14	117	153	153	20
Visayas	2026	3	17	15	113	153	153	20
Visayas	2026	3	17	16	109	153	153	20
Visayas	2026	3	17	17	103	153	153	20
Visayas	2026	3	17	18	103	153	153	20
Visayas	2026	3	17	19	107	153	153	20
Visayas	2026	3	17	20	104	153	153	20
Visayas	2026	3	17	21	100	153	153	20
Visayas	2026	3	17	22	94	153	153	20
Visayas	2026	3	17	23	88	153	153	20
Visayas	2026	3	17	24	84	153	153	20
Visayas	2026	3	18	1	80	153	153	20
Visayas	2026	3	18	2	77	153	153	20
Visayas	2026	3	18	3	74	153	153	20
Visayas	2026	3	18	4	72	153	153	20
Visayas	2026	3	18	5	73	153	153	20
Visayas	2026	3	18	6	76	153	153	20
Visayas	2026	3	18	7	76	153	153	20
Visayas	2026	3	18	8	89	153	153	20
Visayas	2026	3	18	9	103	153	153	20
Visayas	2026	3	18	10	112	153	153	20
Visayas	2026	3	18	11	116	153	153	20
Visayas	2026	3	18	12	112	153	153	20
Visayas	2026	3	18	13	115	153	153	20
Visayas	2026	3	18	14	116	153	153	20
Visayas	2026	3	18	15	122	153	153	20
Visayas	2026	3	18	16	114	153	153	20
Visayas	2026	3	18	17	109	153	153	20
Visayas	2026	3	18	18	107	153	153	20
Visayas	2026	3	18	19	111	153	153	20
Visayas	2026	3	18	20	105	153	153	20
Visayas	2026	3	18	21	103	153	153	20
Visayas	2026	3	18	22	96	153	153	20
Visayas	2026	3	18	23	90	153	153	20
Visayas	2026	3	18	24	85	153	153	20
Visayas	2026	3	19	1	82	153	153	20
Visayas	2026	3	19	2	79	153	153	20
Visayas	2026	3	19	3	76	153	153	20
Visayas	2026	3	19	4	73	153	153	20
Visayas	2026	3	19	5	74	153	153	20
Visayas	2026	3	19	6	77	153	153	20
Visayas	2026	3	19	7	78	153	153	20
Visayas	2026	3	19	8	89	153	153	20
Visayas	2026	3	19	9	104	153	153	20
Visayas	2026	3	19	10	112	153	153	20
Visayas	2026	3	19	11	119	153	153	20
Visayas	2026	3	19	12	115	153	153	20
Visayas	2026	3	19	13	117	153	153	20
Visayas	2026	3	19	14	122	153	153	20
Visayas	2026	3	19	15	123	153	153	20
Visayas	2026	3	19	16	121	153	153	20
Visayas	2026	3	19	17	108	153	153	20
Visayas	2026	3	19	18	105	153	153	20
Visayas	2026	3	19	19	113	153	153	20
Visayas	2026	3	19	20	106	153	153	20
Visayas	2026	3	19	21	103	153	153	20
Visayas	2026	3	19	22	98	153	153	20
Visayas	2026	3	19	23	93	153	153	20
Visayas	2026	3	19	24	87	153	153	20
Visayas	2026	3	20	1	82	153	153	20
Visayas	2026	3	20	2	78	153	153	20
Visayas	2026	3	20	3	75	153	153	20
Visayas	2026	3	20	4	73	153	153	20
Visayas	2026	3	20	5	74	153	153	20
Visayas	2026	3	20	6	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	20	7	75	153	153	20
Visayas	2026	3	20	8	86	153	153	20
Visayas	2026	3	20	9	102	153	153	20
Visayas	2026	3	20	10	110	153	153	20
Visayas	2026	3	20	11	114	153	153	20
Visayas	2026	3	20	12	111	153	153	20
Visayas	2026	3	20	13	114	153	153	20
Visayas	2026	3	20	14	119	153	153	20
Visayas	2026	3	20	15	121	153	153	20
Visayas	2026	3	20	16	115	153	153	20
Visayas	2026	3	20	17	108	153	153	20
Visayas	2026	3	20	18	107	153	153	20
Visayas	2026	3	20	19	113	153	153	20
Visayas	2026	3	20	20	110	153	153	20
Visayas	2026	3	20	21	107	153	153	20
Visayas	2026	3	20	22	102	153	153	20
Visayas	2026	3	20	23	95	153	153	20
Visayas	2026	3	20	24	90	153	153	20
Visayas	2026	3	21	1	86	153	153	20
Visayas	2026	3	21	2	82	153	153	20
Visayas	2026	3	21	3	80	153	153	20
Visayas	2026	3	21	4	77	153	153	20
Visayas	2026	3	21	5	76	153	153	20
Visayas	2026	3	21	6	76	153	153	20
Visayas	2026	3	21	7	72	153	153	20
Visayas	2026	3	21	8	82	153	153	20
Visayas	2026	3	21	9	93	153	153	20
Visayas	2026	3	21	10	100	153	153	20
Visayas	2026	3	21	11	105	153	153	20
Visayas	2026	3	21	12	102	153	153	20
Visayas	2026	3	21	13	105	153	153	20
Visayas	2026	3	21	14	110	153	153	20
Visayas	2026	3	21	15	108	153	153	20
Visayas	2026	3	21	16	105	153	153	20
Visayas	2026	3	21	17	96	153	153	20
Visayas	2026	3	21	18	104	153	153	20
Visayas	2026	3	21	19	109	153	153	20
Visayas	2026	3	21	20	106	153	153	20
Visayas	2026	3	21	21	104	153	153	20
Visayas	2026	3	21	22	100	153	153	20
Visayas	2026	3	21	23	95	153	153	20
Visayas	2026	3	21	24	90	153	153	20
Visayas	2026	3	22	1	85	153	153	20
Visayas	2026	3	22	2	81	153	153	20
Visayas	2026	3	22	3	78	153	153	20
Visayas	2026	3	22	4	75	153	153	20
Visayas	2026	3	22	5	74	153	153	20
Visayas	2026	3	22	6	73	153	153	20
Visayas	2026	3	22	7	70	153	153	20
Visayas	2026	3	22	8	73	153	153	20
Visayas	2026	3	22	9	79	153	153	20
Visayas	2026	3	22	10	86	153	153	20
Visayas	2026	3	22	11	90	153	153	20
Visayas	2026	3	22	12	87	153	153	20
Visayas	2026	3	22	13	89	153	153	20
Visayas	2026	3	22	14	88	153	153	20
Visayas	2026	3	22	15	86	153	153	20
Visayas	2026	3	22	16	83	153	153	20
Visayas	2026	3	22	17	83	153	153	20
Visayas	2026	3	22	18	89	153	153	20
Visayas	2026	3	22	19	94	153	153	20
Visayas	2026	3	22	20	92	153	153	20
Visayas	2026	3	22	21	89	153	153	20
Visayas	2026	3	22	22	86	153	153	20
Visayas	2026	3	22	23	83	153	153	20
Visayas	2026	3	22	24	76	153	153	20
Visayas	2026	3	23	1	73	153	153	20
Visayas	2026	3	23	2	70	153	153	20
Visayas	2026	3	23	3	67	153	153	20
Visayas	2026	3	23	4	66	153	153	20
Visayas	2026	3	23	5	68	153	153	20
Visayas	2026	3	23	6	73	153	153	20
Visayas	2026	3	23	7	72	153	153	20
Visayas	2026	3	23	8	86	153	153	20
Visayas	2026	3	23	9	100	153	153	20
Visayas	2026	3	23	10	109	153	153	20
Visayas	2026	3	23	11	115	153	153	20
Visayas	2026	3	23	12	112	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	23	13	113	153	153	20
Visayas	2026	3	23	14	118	153	153	20
Visayas	2026	3	23	15	119	153	153	20
Visayas	2026	3	23	16	115	153	153	20
Visayas	2026	3	23	17	106	153	153	20
Visayas	2026	3	23	18	107	153	153	20
Visayas	2026	3	23	19	111	153	153	20
Visayas	2026	3	23	20	106	153	153	20
Visayas	2026	3	23	21	103	153	153	20
Visayas	2026	3	23	22	96	153	153	20
Visayas	2026	3	23	23	91	153	153	20
Visayas	2026	3	23	24	85	153	153	20
Visayas	2026	3	24	1	81	153	153	20
Visayas	2026	3	24	2	78	153	153	20
Visayas	2026	3	24	3	74	153	153	20
Visayas	2026	3	24	4	72	153	153	20
Visayas	2026	3	24	5	74	153	153	20
Visayas	2026	3	24	6	76	153	153	20
Visayas	2026	3	24	7	76	153	153	20
Visayas	2026	3	24	8	88	153	153	20
Visayas	2026	3	24	9	103	153	153	20
Visayas	2026	3	24	10	113	153	153	20
Visayas	2026	3	24	11	118	153	153	20
Visayas	2026	3	24	12	115	153	153	20
Visayas	2026	3	24	13	117	153	153	20
Visayas	2026	3	24	14	123	153	153	20
Visayas	2026	3	24	15	123	153	153	20
Visayas	2026	3	24	16	117	153	153	20
Visayas	2026	3	24	17	109	153	153	20
Visayas	2026	3	24	18	106	153	153	20
Visayas	2026	3	24	19	111	153	153	20
Visayas	2026	3	24	20	106	153	153	20
Visayas	2026	3	24	21	103	153	153	20
Visayas	2026	3	24	22	97	153	153	20
Visayas	2026	3	24	23	91	153	153	20
Visayas	2026	3	24	24	85	153	153	20
Visayas	2026	3	25	1	80	153	153	20
Visayas	2026	3	25	2	78	153	153	20
Visayas	2026	3	25	3	75	153	153	20
Visayas	2026	3	25	4	72	153	153	20
Visayas	2026	3	25	5	74	153	153	20
Visayas	2026	3	25	6	76	153	153	20
Visayas	2026	3	25	7	76	153	153	20
Visayas	2026	3	25	8	87	153	153	20
Visayas	2026	3	25	9	104	153	153	20
Visayas	2026	3	25	10	114	153	153	20
Visayas	2026	3	25	11	117	153	153	20
Visayas	2026	3	25	12	115	153	153	20
Visayas	2026	3	25	13	118	153	153	20
Visayas	2026	3	25	14	125	153	153	20
Visayas	2026	3	25	15	122	153	153	20
Visayas	2026	3	25	16	119	153	153	20
Visayas	2026	3	25	17	109	153	153	20
Visayas	2026	3	25	18	107	153	153	20
Visayas	2026	3	25	19	112	153	153	20
Visayas	2026	3	25	20	107	153	153	20
Visayas	2026	3	25	21	104	153	153	20
Visayas	2026	3	25	22	98	153	153	20
Visayas	2026	3	25	23	95	153	153	20
Visayas	2026	3	25	24	89	153	153	20
Visayas	2026	3	26	1	83	153	153	20
Visayas	2026	3	26	2	79	153	153	20
Visayas	2026	3	26	3	76	153	153	20
Visayas	2026	3	26	4	74	153	153	20
Visayas	2026	3	26	5	75	153	153	20
Visayas	2026	3	26	6	77	153	153	20
Visayas	2026	3	26	7	78	153	153	20
Visayas	2026	3	26	8	89	153	153	20
Visayas	2026	3	26	9	106	153	153	20
Visayas	2026	3	26	10	114	153	153	20
Visayas	2026	3	26	11	119	153	153	20
Visayas	2026	3	26	12	117	153	153	20
Visayas	2026	3	26	13	119	153	153	20
Visayas	2026	3	26	14	125	153	153	20
Visayas	2026	3	26	15	123	153	153	20
Visayas	2026	3	26	16	120	153	153	20
Visayas	2026	3	26	17	111	153	153	20
Visayas	2026	3	26	18	106	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	26	19	112	153	153	20
Visayas	2026	3	26	20	107	153	153	20
Visayas	2026	3	26	21	104	153	153	20
Visayas	2026	3	26	22	101	153	153	20
Visayas	2026	3	26	23	92	153	153	20
Visayas	2026	3	26	24	87	153	153	20
Visayas	2026	3	27	1	82	153	153	20
Visayas	2026	3	27	2	78	153	153	20
Visayas	2026	3	27	3	75	153	153	20
Visayas	2026	3	27	4	74	153	153	20
Visayas	2026	3	27	5	74	153	153	20
Visayas	2026	3	27	6	76	153	153	20
Visayas	2026	3	27	7	77	153	153	20
Visayas	2026	3	27	8	88	153	153	20
Visayas	2026	3	27	9	105	153	153	20
Visayas	2026	3	27	10	113	153	153	20
Visayas	2026	3	27	11	118	153	153	20
Visayas	2026	3	27	12	115	153	153	20
Visayas	2026	3	27	13	118	153	153	20
Visayas	2026	3	27	14	123	153	153	20
Visayas	2026	3	27	15	121	153	153	20
Visayas	2026	3	27	16	117	153	153	20
Visayas	2026	3	27	17	109	153	153	20
Visayas	2026	3	27	18	106	153	153	20
Visayas	2026	3	27	19	111	153	153	20
Visayas	2026	3	27	20	108	153	153	20
Visayas	2026	3	27	21	105	153	153	20
Visayas	2026	3	27	22	99	153	153	20
Visayas	2026	3	27	23	92	153	153	20
Visayas	2026	3	27	24	87	153	153	20
Visayas	2026	3	28	1	83	153	153	20
Visayas	2026	3	28	2	80	153	153	20
Visayas	2026	3	28	3	76	153	153	20
Visayas	2026	3	28	4	73	153	153	20
Visayas	2026	3	28	5	74	153	153	20
Visayas	2026	3	28	6	74	153	153	20
Visayas	2026	3	28	7	74	153	153	20
Visayas	2026	3	28	8	82	153	153	20
Visayas	2026	3	28	9	91	153	153	20
Visayas	2026	3	28	10	95	153	153	20
Visayas	2026	3	28	11	102	153	153	20
Visayas	2026	3	28	12	102	153	153	20
Visayas	2026	3	28	13	102	153	153	20
Visayas	2026	3	28	14	107	153	153	20
Visayas	2026	3	28	15	107	153	153	20
Visayas	2026	3	28	16	103	153	153	20
Visayas	2026	3	28	17	97	153	153	20
Visayas	2026	3	28	18	100	153	153	20
Visayas	2026	3	28	19	106	153	153	20
Visayas	2026	3	28	20	103	153	153	20
Visayas	2026	3	28	21	99	153	153	20
Visayas	2026	3	28	22	97	153	153	20
Visayas	2026	3	28	23	91	153	153	20
Visayas	2026	3	28	24	86	153	153	20
Visayas	2026	3	29	1	82	153	153	20
Visayas	2026	3	29	2	78	153	153	20
Visayas	2026	3	29	3	75	153	153	20
Visayas	2026	3	29	4	73	153	153	20
Visayas	2026	3	29	5	70	153	153	20
Visayas	2026	3	29	6	71	153	153	20
Visayas	2026	3	29	7	68	153	153	20
Visayas	2026	3	29	8	71	153	153	20
Visayas	2026	3	29	9	76	153	153	20
Visayas	2026	3	29	10	79	153	153	20
Visayas	2026	3	29	11	84	153	153	20
Visayas	2026	3	29	12	83	153	153	20
Visayas	2026	3	29	13	83	153	153	20
Visayas	2026	3	29	14	85	153	153	20
Visayas	2026	3	29	15	83	153	153	20
Visayas	2026	3	29	16	81	153	153	20
Visayas	2026	3	29	17	82	153	153	20
Visayas	2026	3	29	18	91	153	153	20
Visayas	2026	3	29	19	96	153	153	20
Visayas	2026	3	29	20	94	153	153	20
Visayas	2026	3	29	21	91	153	153	20
Visayas	2026	3	29	22	87	153	153	20
Visayas	2026	3	29	23	81	153	153	20
Visayas	2026	3	29	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	3	30	1	73	153	153	20
Visayas	2026	3	30	2	70	153	153	20
Visayas	2026	3	30	3	67	153	153	20
Visayas	2026	3	30	4	66	153	153	20
Visayas	2026	3	30	5	67	153	153	20
Visayas	2026	3	30	6	71	153	153	20
Visayas	2026	3	30	7	72	153	153	20
Visayas	2026	3	30	8	84	153	153	20
Visayas	2026	3	30	9	99	153	153	20
Visayas	2026	3	30	10	105	153	153	20
Visayas	2026	3	30	11	107	153	153	20
Visayas	2026	3	30	12	104	153	153	20
Visayas	2026	3	30	13	104	153	153	20
Visayas	2026	3	30	14	109	153	153	20
Visayas	2026	3	30	15	109	153	153	20
Visayas	2026	3	30	16	107	153	153	20
Visayas	2026	3	30	17	101	153	153	20
Visayas	2026	3	30	18	102	153	153	20
Visayas	2026	3	30	19	103	153	153	20
Visayas	2026	3	30	20	99	153	153	20
Visayas	2026	3	30	21	94	153	153	20
Visayas	2026	3	30	22	90	153	153	20
Visayas	2026	3	30	23	85	153	153	20
Visayas	2026	3	30	24	80	153	153	20
Visayas	2026	3	31	1	75	153	153	20
Visayas	2026	3	31	2	73	153	153	20
Visayas	2026	3	31	3	70	153	153	20
Visayas	2026	3	31	4	70	153	153	20
Visayas	2026	3	31	5	70	153	153	20
Visayas	2026	3	31	6	73	153	153	20
Visayas	2026	3	31	7	75	153	153	20
Visayas	2026	3	31	8	87	153	153	20
Visayas	2026	3	31	9	102	153	153	20
Visayas	2026	3	31	10	112	153	153	20
Visayas	2026	3	31	11	118	153	153	20
Visayas	2026	3	31	12	113	153	153	20
Visayas	2026	3	31	13	115	153	153	20
Visayas	2026	3	31	14	124	153	153	20
Visayas	2026	3	31	15	121	153	153	20
Visayas	2026	3	31	16	116	153	153	20
Visayas	2026	3	31	17	107	153	153	20
Visayas	2026	3	31	18	106	153	153	20
Visayas	2026	3	31	19	108	153	153	20
Visayas	2026	3	31	20	106	153	153	20
Visayas	2026	3	31	21	102	153	153	20
Visayas	2026	3	31	22	99	153	153	20
Visayas	2026	3	31	23	92	153	153	20
Visayas	2026	3	31	24	86	153	153	20
Visayas	2026	4	1	1	81	153	153	20
Visayas	2026	4	1	2	79	153	153	20
Visayas	2026	4	1	3	76	153	153	20
Visayas	2026	4	1	4	73	153	153	20
Visayas	2026	4	1	5	73	153	153	20
Visayas	2026	4	1	6	76	153	153	20
Visayas	2026	4	1	7	77	153	153	20
Visayas	2026	4	1	8	89	153	153	20
Visayas	2026	4	1	9	105	153	153	20
Visayas	2026	4	1	10	114	153	153	20
Visayas	2026	4	1	11	121	153	153	20
Visayas	2026	4	1	12	117	153	153	20
Visayas	2026	4	1	13	118	153	153	20
Visayas	2026	4	1	14	124	153	153	20
Visayas	2026	4	1	15	122	153	153	20
Visayas	2026	4	1	16	121	153	153	20
Visayas	2026	4	1	17	111	153	153	20
Visayas	2026	4	1	18	108	153	153	20
Visayas	2026	4	1	19	114	153	153	20
Visayas	2026	4	1	20	110	153	153	20
Visayas	2026	4	1	21	108	153	153	20
Visayas	2026	4	1	22	103	153	153	20
Visayas	2026	4	1	23	95	153	153	20
Visayas	2026	4	1	24	89	153	153	20
Visayas	2026	4	2	1	62	153	153	20
Visayas	2026	4	2	2	60	153	153	20
Visayas	2026	4	2	3	59	153	153	20
Visayas	2026	4	2	4	58	153	153	20
Visayas	2026	4	2	5	57	153	153	20
Visayas	2026	4	2	6	58	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	2	7	58	153	153	20
Visayas	2026	4	2	8	61	153	153	20
Visayas	2026	4	2	9	64	153	153	20
Visayas	2026	4	2	10	68	153	153	20
Visayas	2026	4	2	11	68	153	153	20
Visayas	2026	4	2	12	67	153	153	20
Visayas	2026	4	2	13	66	153	153	20
Visayas	2026	4	2	14	69	153	153	20
Visayas	2026	4	2	15	67	153	153	20
Visayas	2026	4	2	16	68	153	153	20
Visayas	2026	4	2	17	65	153	153	20
Visayas	2026	4	2	18	74	153	153	20
Visayas	2026	4	2	19	78	153	153	20
Visayas	2026	4	2	20	76	153	153	20
Visayas	2026	4	2	21	74	153	153	20
Visayas	2026	4	2	22	70	153	153	20
Visayas	2026	4	2	23	66	153	153	20
Visayas	2026	4	2	24	63	153	153	20
Visayas	2026	4	3	1	60	153	153	20
Visayas	2026	4	3	2	58	153	153	20
Visayas	2026	4	3	3	56	153	153	20
Visayas	2026	4	3	4	55	153	153	20
Visayas	2026	4	3	5	55	153	153	20
Visayas	2026	4	3	6	56	153	153	20
Visayas	2026	4	3	7	56	153	153	20
Visayas	2026	4	3	8	57	153	153	20
Visayas	2026	4	3	9	59	153	153	20
Visayas	2026	4	3	10	61	153	153	20
Visayas	2026	4	3	11	63	153	153	20
Visayas	2026	4	3	12	64	153	153	20
Visayas	2026	4	3	13	63	153	153	20
Visayas	2026	4	3	14	64	153	153	20
Visayas	2026	4	3	15	63	153	153	20
Visayas	2026	4	3	16	62	153	153	20
Visayas	2026	4	3	17	62	153	153	20
Visayas	2026	4	3	18	68	153	153	20
Visayas	2026	4	3	19	74	153	153	20
Visayas	2026	4	3	20	74	153	153	20
Visayas	2026	4	3	21	75	153	153	20
Visayas	2026	4	3	22	72	153	153	20
Visayas	2026	4	3	23	69	153	153	20
Visayas	2026	4	3	24	65	153	153	20
Visayas	2026	4	4	1	83	153	153	20
Visayas	2026	4	4	2	79	153	153	20
Visayas	2026	4	4	3	77	153	153	20
Visayas	2026	4	4	4	74	153	153	20
Visayas	2026	4	4	5	75	153	153	20
Visayas	2026	4	4	6	75	153	153	20
Visayas	2026	4	4	7	74	153	153	20
Visayas	2026	4	4	8	82	153	153	20
Visayas	2026	4	4	9	91	153	153	20
Visayas	2026	4	4	10	98	153	153	20
Visayas	2026	4	4	11	102	153	153	20
Visayas	2026	4	4	12	100	153	153	20
Visayas	2026	4	4	13	99	153	153	20
Visayas	2026	4	4	14	104	153	153	20
Visayas	2026	4	4	15	103	153	153	20
Visayas	2026	4	4	16	99	153	153	20
Visayas	2026	4	4	17	94	153	153	20
Visayas	2026	4	4	18	102	153	153	20
Visayas	2026	4	4	19	105	153	153	20
Visayas	2026	4	4	20	100	153	153	20
Visayas	2026	4	4	21	97	153	153	20
Visayas	2026	4	4	22	92	153	153	20
Visayas	2026	4	4	23	86	153	153	20
Visayas	2026	4	4	24	82	153	153	20
Visayas	2026	4	5	1	77	153	153	20
Visayas	2026	4	5	2	73	153	153	20
Visayas	2026	4	5	3	73	153	153	20
Visayas	2026	4	5	4	70	153	153	20
Visayas	2026	4	5	5	70	153	153	20
Visayas	2026	4	5	6	70	153	153	20
Visayas	2026	4	5	7	63	153	153	20
Visayas	2026	4	5	8	66	153	153	20
Visayas	2026	4	5	9	72	153	153	20
Visayas	2026	4	5	10	77	153	153	20
Visayas	2026	4	5	11	80	153	153	20
Visayas	2026	4	5	12	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	5	13	82	153	153	20
Visayas	2026	4	5	14	83	153	153	20
Visayas	2026	4	5	15	83	153	153	20
Visayas	2026	4	5	16	82	153	153	20
Visayas	2026	4	5	17	82	153	153	20
Visayas	2026	4	5	18	93	153	153	20
Visayas	2026	4	5	19	102	153	153	20
Visayas	2026	4	5	20	98	153	153	20
Visayas	2026	4	5	21	95	153	153	20
Visayas	2026	4	5	22	91	153	153	20
Visayas	2026	4	5	23	86	153	153	20
Visayas	2026	4	5	24	80	153	153	20
Visayas	2026	4	6	1	75	153	153	20
Visayas	2026	4	6	2	73	153	153	20
Visayas	2026	4	6	3	69	153	153	20
Visayas	2026	4	6	4	68	153	153	20
Visayas	2026	4	6	5	68	153	153	20
Visayas	2026	4	6	6	73	153	153	20
Visayas	2026	4	6	7	73	153	153	20
Visayas	2026	4	6	8	86	153	153	20
Visayas	2026	4	6	9	102	153	153	20
Visayas	2026	4	6	10	109	153	153	20
Visayas	2026	4	6	11	113	153	153	20
Visayas	2026	4	6	12	110	153	153	20
Visayas	2026	4	6	13	113	153	153	20
Visayas	2026	4	6	14	118	153	153	20
Visayas	2026	4	6	15	118	153	153	20
Visayas	2026	4	6	16	115	153	153	20
Visayas	2026	4	6	17	107	153	153	20
Visayas	2026	4	6	18	108	153	153	20
Visayas	2026	4	6	19	108	153	153	20
Visayas	2026	4	6	20	105	153	153	20
Visayas	2026	4	6	21	104	153	153	20
Visayas	2026	4	6	22	98	153	153	20
Visayas	2026	4	6	23	93	153	153	20
Visayas	2026	4	6	24	87	153	153	20
Visayas	2026	4	7	1	83	153	153	20
Visayas	2026	4	7	2	80	153	153	20
Visayas	2026	4	7	3	76	153	153	20
Visayas	2026	4	7	4	75	153	153	20
Visayas	2026	4	7	5	76	153	153	20
Visayas	2026	4	7	6	80	153	153	20
Visayas	2026	4	7	7	79	153	153	20
Visayas	2026	4	7	8	90	153	153	20
Visayas	2026	4	7	9	106	153	153	20
Visayas	2026	4	7	10	109	153	153	20
Visayas	2026	4	7	11	115	153	153	20
Visayas	2026	4	7	12	106	153	153	20
Visayas	2026	4	7	13	102	153	153	20
Visayas	2026	4	7	14	106	153	153	20
Visayas	2026	4	7	15	105	153	153	20
Visayas	2026	4	7	16	106	153	153	20
Visayas	2026	4	7	17	101	153	153	20
Visayas	2026	4	7	18	103	153	153	20
Visayas	2026	4	7	19	102	153	153	20
Visayas	2026	4	7	20	98	153	153	20
Visayas	2026	4	7	21	94	153	153	20
Visayas	2026	4	7	22	88	153	153	20
Visayas	2026	4	7	23	83	153	153	20
Visayas	2026	4	7	24	79	153	153	20
Visayas	2026	4	8	1	75	153	153	20
Visayas	2026	4	8	2	73	153	153	20
Visayas	2026	4	8	3	71	153	153	20
Visayas	2026	4	8	4	69	153	153	20
Visayas	2026	4	8	5	71	153	153	20
Visayas	2026	4	8	6	75	153	153	20
Visayas	2026	4	8	7	75	153	153	20
Visayas	2026	4	8	8	82	153	153	20
Visayas	2026	4	8	9	95	153	153	20
Visayas	2026	4	8	10	103	153	153	20
Visayas	2026	4	8	11	110	153	153	20
Visayas	2026	4	8	12	104	153	153	20
Visayas	2026	4	8	13	105	153	153	20
Visayas	2026	4	8	14	113	153	153	20
Visayas	2026	4	8	15	111	153	153	20
Visayas	2026	4	8	16	109	153	153	20
Visayas	2026	4	8	17	103	153	153	20
Visayas	2026	4	8	18	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	8	19	107	153	153	20
Visayas	2026	4	8	20	104	153	153	20
Visayas	2026	4	8	21	107	153	153	20
Visayas	2026	4	8	22	91	153	153	20
Visayas	2026	4	8	23	85	153	153	20
Visayas	2026	4	8	24	80	153	153	20
Visayas	2026	4	9	1	70	153	153	20
Visayas	2026	4	9	2	68	153	153	20
Visayas	2026	4	9	3	66	153	153	20
Visayas	2026	4	9	4	65	153	153	20
Visayas	2026	4	9	5	64	153	153	20
Visayas	2026	4	9	6	65	153	153	20
Visayas	2026	4	9	7	62	153	153	20
Visayas	2026	4	9	8	65	153	153	20
Visayas	2026	4	9	9	72	153	153	20
Visayas	2026	4	9	10	77	153	153	20
Visayas	2026	4	9	11	78	153	153	20
Visayas	2026	4	9	12	78	153	153	20
Visayas	2026	4	9	13	78	153	153	20
Visayas	2026	4	9	14	79	153	153	20
Visayas	2026	4	9	15	76	153	153	20
Visayas	2026	4	9	16	77	153	153	20
Visayas	2026	4	9	17	80	153	153	20
Visayas	2026	4	9	18	87	153	153	20
Visayas	2026	4	9	19	91	153	153	20
Visayas	2026	4	9	20	88	153	153	20
Visayas	2026	4	9	21	84	153	153	20
Visayas	2026	4	9	22	77	153	153	20
Visayas	2026	4	9	23	72	153	153	20
Visayas	2026	4	9	24	68	153	153	20
Visayas	2026	4	10	1	70	153	153	20
Visayas	2026	4	10	2	68	153	153	20
Visayas	2026	4	10	3	67	153	153	20
Visayas	2026	4	10	4	65	153	153	20
Visayas	2026	4	10	5	67	153	153	20
Visayas	2026	4	10	6	71	153	153	20
Visayas	2026	4	10	7	73	153	153	20
Visayas	2026	4	10	8	81	153	153	20
Visayas	2026	4	10	9	93	153	153	20
Visayas	2026	4	10	10	101	153	153	20
Visayas	2026	4	10	11	106	153	153	20
Visayas	2026	4	10	12	104	153	153	20
Visayas	2026	4	10	13	101	153	153	20
Visayas	2026	4	10	14	106	153	153	20
Visayas	2026	4	10	15	101	153	153	20
Visayas	2026	4	10	16	101	153	153	20
Visayas	2026	4	10	17	96	153	153	20
Visayas	2026	4	10	18	99	153	153	20
Visayas	2026	4	10	19	96	153	153	20
Visayas	2026	4	10	20	91	153	153	20
Visayas	2026	4	10	21	87	153	153	20
Visayas	2026	4	10	22	82	153	153	20
Visayas	2026	4	10	23	77	153	153	20
Visayas	2026	4	10	24	73	153	153	20
Visayas	2026	4	11	1	61	153	153	20
Visayas	2026	4	11	2	59	153	153	20
Visayas	2026	4	11	3	57	153	153	20
Visayas	2026	4	11	4	56	153	153	20
Visayas	2026	4	11	5	56	153	153	20
Visayas	2026	4	11	6	58	153	153	20
Visayas	2026	4	11	7	59	153	153	20
Visayas	2026	4	11	8	63	153	153	20
Visayas	2026	4	11	9	68	153	153	20
Visayas	2026	4	11	10	75	153	153	20
Visayas	2026	4	11	11	78	153	153	20
Visayas	2026	4	11	12	76	153	153	20
Visayas	2026	4	11	13	79	153	153	20
Visayas	2026	4	11	14	82	153	153	20
Visayas	2026	4	11	15	81	153	153	20
Visayas	2026	4	11	16	79	153	153	20
Visayas	2026	4	11	17	78	153	153	20
Visayas	2026	4	11	18	85	153	153	20
Visayas	2026	4	11	19	90	153	153	20
Visayas	2026	4	11	20	85	153	153	20
Visayas	2026	4	11	21	82	153	153	20
Visayas	2026	4	11	22	79	153	153	20
Visayas	2026	4	11	23	74	153	153	20
Visayas	2026	4	11	24	70	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	12	1	65	153	153	20
Visayas	2026	4	12	2	63	153	153	20
Visayas	2026	4	12	3	62	153	153	20
Visayas	2026	4	12	4	61	153	153	20
Visayas	2026	4	12	5	61	153	153	20
Visayas	2026	4	12	6	63	153	153	20
Visayas	2026	4	12	7	63	153	153	20
Visayas	2026	4	12	8	65	153	153	20
Visayas	2026	4	12	9	66	153	153	20
Visayas	2026	4	12	10	68	153	153	20
Visayas	2026	4	12	11	69	153	153	20
Visayas	2026	4	12	12	69	153	153	20
Visayas	2026	4	12	13	67	153	153	20
Visayas	2026	4	12	14	67	153	153	20
Visayas	2026	4	12	15	67	153	153	20
Visayas	2026	4	12	16	69	153	153	20
Visayas	2026	4	12	17	73	153	153	20
Visayas	2026	4	12	18	82	153	153	20
Visayas	2026	4	12	19	81	153	153	20
Visayas	2026	4	12	20	76	153	153	20
Visayas	2026	4	12	21	71	153	153	20
Visayas	2026	4	12	22	66	153	153	20
Visayas	2026	4	12	23	61	153	153	20
Visayas	2026	4	12	24	59	153	153	20
Visayas	2026	4	13	1	55	153	153	20
Visayas	2026	4	13	2	52	153	153	20
Visayas	2026	4	13	3	51	153	153	20
Visayas	2026	4	13	4	51	153	153	20
Visayas	2026	4	13	5	52	153	153	20
Visayas	2026	4	13	6	56	153	153	20
Visayas	2026	4	13	7	59	153	153	20
Visayas	2026	4	13	8	65	153	153	20
Visayas	2026	4	13	9	74	153	153	20
Visayas	2026	4	13	10	79	153	153	20
Visayas	2026	4	13	11	82	153	153	20
Visayas	2026	4	13	12	78	153	153	20
Visayas	2026	4	13	13	75	153	153	20
Visayas	2026	4	13	14	78	153	153	20
Visayas	2026	4	13	15	78	153	153	20
Visayas	2026	4	13	16	77	153	153	20
Visayas	2026	4	13	17	77	153	153	20
Visayas	2026	4	13	18	81	153	153	20
Visayas	2026	4	13	19	81	153	153	20
Visayas	2026	4	13	20	75	153	153	20
Visayas	2026	4	13	21	70	153	153	20
Visayas	2026	4	13	22	64	153	153	20
Visayas	2026	4	13	23	61	153	153	20
Visayas	2026	4	13	24	58	153	153	20
Visayas	2026	4	14	1	56	153	153	20
Visayas	2026	4	14	2	56	153	153	20
Visayas	2026	4	14	3	55	153	153	20
Visayas	2026	4	14	4	54	153	153	20
Visayas	2026	4	14	5	55	153	153	20
Visayas	2026	4	14	6	59	153	153	20
Visayas	2026	4	14	7	60	153	153	20
Visayas	2026	4	14	8	66	153	153	20
Visayas	2026	4	14	9	75	153	153	20
Visayas	2026	4	14	10	80	153	153	20
Visayas	2026	4	14	11	81	153	153	20
Visayas	2026	4	14	12	77	153	153	20
Visayas	2026	4	14	13	76	153	153	20
Visayas	2026	4	14	14	77	153	153	20
Visayas	2026	4	14	15	76	153	153	20
Visayas	2026	4	14	16	77	153	153	20
Visayas	2026	4	14	17	78	153	153	20
Visayas	2026	4	14	18	81	153	153	20
Visayas	2026	4	14	19	78	153	153	20
Visayas	2026	4	14	20	73	153	153	20
Visayas	2026	4	14	21	67	153	153	20
Visayas	2026	4	14	22	61	153	153	20
Visayas	2026	4	14	23	59	153	153	20
Visayas	2026	4	14	24	56	153	153	20
Visayas	2026	4	15	1	55	153	153	20
Visayas	2026	4	15	2	55	153	153	20
Visayas	2026	4	15	3	54	153	153	20
Visayas	2026	4	15	4	53	153	153	20
Visayas	2026	4	15	5	55	153	153	20
Visayas	2026	4	15	6	59	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	15	7	60	153	153	20
Visayas	2026	4	15	8	66	153	153	20
Visayas	2026	4	15	9	76	153	153	20
Visayas	2026	4	15	10	83	153	153	20
Visayas	2026	4	15	11	87	153	153	20
Visayas	2026	4	15	12	83	153	153	20
Visayas	2026	4	15	13	83	153	153	20
Visayas	2026	4	15	14	87	153	153	20
Visayas	2026	4	15	15	86	153	153	20
Visayas	2026	4	15	16	84	153	153	20
Visayas	2026	4	15	17	82	153	153	20
Visayas	2026	4	15	18	87	153	153	20
Visayas	2026	4	15	19	88	153	153	20
Visayas	2026	4	15	20	84	153	153	20
Visayas	2026	4	15	21	80	153	153	20
Visayas	2026	4	15	22	74	153	153	20
Visayas	2026	4	15	23	68	153	153	20
Visayas	2026	4	15	24	65	153	153	20
Visayas	2026	4	16	1	84	153	153	20
Visayas	2026	4	16	2	81	153	153	20
Visayas	2026	4	16	3	79	153	153	20
Visayas	2026	4	16	4	76	153	153	20
Visayas	2026	4	16	5	77	153	153	20
Visayas	2026	4	16	6	79	153	153	20
Visayas	2026	4	16	7	81	153	153	20
Visayas	2026	4	16	8	94	153	153	20
Visayas	2026	4	16	9	112	153	153	20
Visayas	2026	4	16	10	117	153	153	20
Visayas	2026	4	16	11	122	153	153	20
Visayas	2026	4	16	12	120	153	153	20
Visayas	2026	4	16	13	121	153	153	20
Visayas	2026	4	16	14	126	153	153	20
Visayas	2026	4	16	15	124	153	153	20
Visayas	2026	4	16	16	121	153	153	20
Visayas	2026	4	16	17	111	153	153	20
Visayas	2026	4	16	18	110	153	153	20
Visayas	2026	4	16	19	112	153	153	20
Visayas	2026	4	16	20	107	153	153	20
Visayas	2026	4	16	21	106	153	153	20
Visayas	2026	4	16	22	102	153	153	20
Visayas	2026	4	16	23	97	153	153	20
Visayas	2026	4	16	24	93	153	153	20
Visayas	2026	4	17	1	86	153	153	20
Visayas	2026	4	17	2	81	153	153	20
Visayas	2026	4	17	3	80	153	153	20
Visayas	2026	4	17	4	77	153	153	20
Visayas	2026	4	17	5	78	153	153	20
Visayas	2026	4	17	6	82	153	153	20
Visayas	2026	4	17	7	80	153	153	20
Visayas	2026	4	17	8	93	153	153	20
Visayas	2026	4	17	9	108	153	153	20
Visayas	2026	4	17	10	112	153	153	20
Visayas	2026	4	17	11	117	153	153	20
Visayas	2026	4	17	12	114	153	153	20
Visayas	2026	4	17	13	117	153	153	20
Visayas	2026	4	17	14	123	153	153	20
Visayas	2026	4	17	15	122	153	153	20
Visayas	2026	4	17	16	119	153	153	20
Visayas	2026	4	17	17	108	153	153	20
Visayas	2026	4	17	18	107	153	153	20
Visayas	2026	4	17	19	113	153	153	20
Visayas	2026	4	17	20	110	153	153	20
Visayas	2026	4	17	21	108	153	153	20
Visayas	2026	4	17	22	102	153	153	20
Visayas	2026	4	17	23	96	153	153	20
Visayas	2026	4	17	24	90	153	153	20
Visayas	2026	4	18	1	61	153	153	20
Visayas	2026	4	18	2	59	153	153	20
Visayas	2026	4	18	3	57	153	153	20
Visayas	2026	4	18	4	56	153	153	20
Visayas	2026	4	18	5	56	153	153	20
Visayas	2026	4	18	6	58	153	153	20
Visayas	2026	4	18	7	59	153	153	20
Visayas	2026	4	18	8	63	153	153	20
Visayas	2026	4	18	9	68	153	153	20
Visayas	2026	4	18	10	75	153	153	20
Visayas	2026	4	18	11	78	153	153	20
Visayas	2026	4	18	12	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	18	13	79	153	153	20
Visayas	2026	4	18	14	82	153	153	20
Visayas	2026	4	18	15	81	153	153	20
Visayas	2026	4	18	16	79	153	153	20
Visayas	2026	4	18	17	78	153	153	20
Visayas	2026	4	18	18	85	153	153	20
Visayas	2026	4	18	19	90	153	153	20
Visayas	2026	4	18	20	85	153	153	20
Visayas	2026	4	18	21	82	153	153	20
Visayas	2026	4	18	22	79	153	153	20
Visayas	2026	4	18	23	74	153	153	20
Visayas	2026	4	18	24	70	153	153	20
Visayas	2026	4	19	1	67	153	153	20
Visayas	2026	4	19	2	64	153	153	20
Visayas	2026	4	19	3	63	153	153	20
Visayas	2026	4	19	4	61	153	153	20
Visayas	2026	4	19	5	60	153	153	20
Visayas	2026	4	19	6	61	153	153	20
Visayas	2026	4	19	7	62	153	153	20
Visayas	2026	4	19	8	63	153	153	20
Visayas	2026	4	19	9	68	153	153	20
Visayas	2026	4	19	10	73	153	153	20
Visayas	2026	4	19	11	79	153	153	20
Visayas	2026	4	19	12	77	153	153	20
Visayas	2026	4	19	13	78	153	153	20
Visayas	2026	4	19	14	81	153	153	20
Visayas	2026	4	19	15	80	153	153	20
Visayas	2026	4	19	16	79	153	153	20
Visayas	2026	4	19	17	79	153	153	20
Visayas	2026	4	19	18	84	153	153	20
Visayas	2026	4	19	19	93	153	153	20
Visayas	2026	4	19	20	90	153	153	20
Visayas	2026	4	19	21	89	153	153	20
Visayas	2026	4	19	22	84	153	153	20
Visayas	2026	4	19	23	78	153	153	20
Visayas	2026	4	19	24	72	153	153	20
Visayas	2026	4	20	1	69	153	153	20
Visayas	2026	4	20	2	67	153	153	20
Visayas	2026	4	20	3	64	153	153	20
Visayas	2026	4	20	4	64	153	153	20
Visayas	2026	4	20	5	64	153	153	20
Visayas	2026	4	20	6	66	153	153	20
Visayas	2026	4	20	7	68	153	153	20
Visayas	2026	4	20	8	82	153	153	20
Visayas	2026	4	20	9	96	153	153	20
Visayas	2026	4	20	10	102	153	153	20
Visayas	2026	4	20	11	109	153	153	20
Visayas	2026	4	20	12	109	153	153	20
Visayas	2026	4	20	13	109	153	153	20
Visayas	2026	4	20	14	117	153	153	20
Visayas	2026	4	20	15	116	153	153	20
Visayas	2026	4	20	16	112	153	153	20
Visayas	2026	4	20	17	104	153	153	20
Visayas	2026	4	20	18	101	153	153	20
Visayas	2026	4	20	19	107	153	153	20
Visayas	2026	4	20	20	103	153	153	20
Visayas	2026	4	20	21	99	153	153	20
Visayas	2026	4	20	22	93	153	153	20
Visayas	2026	4	20	23	87	153	153	20
Visayas	2026	4	20	24	82	153	153	20
Visayas	2026	4	21	1	79	153	153	20
Visayas	2026	4	21	2	74	153	153	20
Visayas	2026	4	21	3	72	153	153	20
Visayas	2026	4	21	4	70	153	153	20
Visayas	2026	4	21	5	70	153	153	20
Visayas	2026	4	21	6	74	153	153	20
Visayas	2026	4	21	7	74	153	153	20
Visayas	2026	4	21	8	86	153	153	20
Visayas	2026	4	21	9	101	153	153	20
Visayas	2026	4	21	10	110	153	153	20
Visayas	2026	4	21	11	113	153	153	20
Visayas	2026	4	21	12	111	153	153	20
Visayas	2026	4	21	13	112	153	153	20
Visayas	2026	4	21	14	117	153	153	20
Visayas	2026	4	21	15	117	153	153	20
Visayas	2026	4	21	16	114	153	153	20
Visayas	2026	4	21	17	103	153	153	20
Visayas	2026	4	21	18	103	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	21	19	107	153	153	20
Visayas	2026	4	21	20	101	153	153	20
Visayas	2026	4	21	21	100	153	153	20
Visayas	2026	4	21	22	95	153	153	20
Visayas	2026	4	21	23	91	153	153	20
Visayas	2026	4	21	24	85	153	153	20
Visayas	2026	4	22	1	80	153	153	20
Visayas	2026	4	22	2	76	153	153	20
Visayas	2026	4	22	3	73	153	153	20
Visayas	2026	4	22	4	71	153	153	20
Visayas	2026	4	22	5	73	153	153	20
Visayas	2026	4	22	6	75	153	153	20
Visayas	2026	4	22	7	75	153	153	20
Visayas	2026	4	22	8	88	153	153	20
Visayas	2026	4	22	9	103	153	153	20
Visayas	2026	4	22	10	111	153	153	20
Visayas	2026	4	22	11	118	153	153	20
Visayas	2026	4	22	12	114	153	153	20
Visayas	2026	4	22	13	116	153	153	20
Visayas	2026	4	22	14	121	153	153	20
Visayas	2026	4	22	15	119	153	153	20
Visayas	2026	4	22	16	118	153	153	20
Visayas	2026	4	22	17	108	153	153	20
Visayas	2026	4	22	18	107	153	153	20
Visayas	2026	4	22	19	112	153	153	20
Visayas	2026	4	22	20	109	153	153	20
Visayas	2026	4	22	21	106	153	153	20
Visayas	2026	4	22	22	101	153	153	20
Visayas	2026	4	22	23	94	153	153	20
Visayas	2026	4	22	24	90	153	153	20
Visayas	2026	4	23	1	84	153	153	20
Visayas	2026	4	23	2	81	153	153	20
Visayas	2026	4	23	3	79	153	153	20
Visayas	2026	4	23	4	76	153	153	20
Visayas	2026	4	23	5	77	153	153	20
Visayas	2026	4	23	6	79	153	153	20
Visayas	2026	4	23	7	81	153	153	20
Visayas	2026	4	23	8	94	153	153	20
Visayas	2026	4	23	9	112	153	153	20
Visayas	2026	4	23	10	117	153	153	20
Visayas	2026	4	23	11	122	153	153	20
Visayas	2026	4	23	12	120	153	153	20
Visayas	2026	4	23	13	121	153	153	20
Visayas	2026	4	23	14	126	153	153	20
Visayas	2026	4	23	15	124	153	153	20
Visayas	2026	4	23	16	121	153	153	20
Visayas	2026	4	23	17	111	153	153	20
Visayas	2026	4	23	18	110	153	153	20
Visayas	2026	4	23	19	112	153	153	20
Visayas	2026	4	23	20	107	153	153	20
Visayas	2026	4	23	21	106	153	153	20
Visayas	2026	4	23	22	102	153	153	20
Visayas	2026	4	23	23	97	153	153	20
Visayas	2026	4	23	24	93	153	153	20
Visayas	2026	4	24	1	86	153	153	20
Visayas	2026	4	24	2	81	153	153	20
Visayas	2026	4	24	3	80	153	153	20
Visayas	2026	4	24	4	77	153	153	20
Visayas	2026	4	24	5	78	153	153	20
Visayas	2026	4	24	6	82	153	153	20
Visayas	2026	4	24	7	80	153	153	20
Visayas	2026	4	24	8	93	153	153	20
Visayas	2026	4	24	9	108	153	153	20
Visayas	2026	4	24	10	112	153	153	20
Visayas	2026	4	24	11	117	153	153	20
Visayas	2026	4	24	12	114	153	153	20
Visayas	2026	4	24	13	117	153	153	20
Visayas	2026	4	24	14	123	153	153	20
Visayas	2026	4	24	15	122	153	153	20
Visayas	2026	4	24	16	119	153	153	20
Visayas	2026	4	24	17	108	153	153	20
Visayas	2026	4	24	18	107	153	153	20
Visayas	2026	4	24	19	113	153	153	20
Visayas	2026	4	24	20	110	153	153	20
Visayas	2026	4	24	21	108	153	153	20
Visayas	2026	4	24	22	102	153	153	20
Visayas	2026	4	24	23	96	153	153	20
Visayas	2026	4	24	24	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	25	1	86	153	153	20
Visayas	2026	4	25	2	82	153	153	20
Visayas	2026	4	25	3	79	153	153	20
Visayas	2026	4	25	4	76	153	153	20
Visayas	2026	4	25	5	79	153	153	20
Visayas	2026	4	25	6	75	153	153	20
Visayas	2026	4	25	7	76	153	153	20
Visayas	2026	4	25	8	84	153	153	20
Visayas	2026	4	25	9	94	153	153	20
Visayas	2026	4	25	10	101	153	153	20
Visayas	2026	4	25	11	106	153	153	20
Visayas	2026	4	25	12	103	153	153	20
Visayas	2026	4	25	13	104	153	153	20
Visayas	2026	4	25	14	109	153	153	20
Visayas	2026	4	25	15	108	153	153	20
Visayas	2026	4	25	16	103	153	153	20
Visayas	2026	4	25	17	98	153	153	20
Visayas	2026	4	25	18	104	153	153	20
Visayas	2026	4	25	19	110	153	153	20
Visayas	2026	4	25	20	107	153	153	20
Visayas	2026	4	25	21	104	153	153	20
Visayas	2026	4	25	22	99	153	153	20
Visayas	2026	4	25	23	93	153	153	20
Visayas	2026	4	25	24	89	153	153	20
Visayas	2026	4	26	1	85	153	153	20
Visayas	2026	4	26	2	81	153	153	20
Visayas	2026	4	26	3	77	153	153	20
Visayas	2026	4	26	4	76	153	153	20
Visayas	2026	4	26	5	75	153	153	20
Visayas	2026	4	26	6	74	153	153	20
Visayas	2026	4	26	7	71	153	153	20
Visayas	2026	4	26	8	75	153	153	20
Visayas	2026	4	26	9	82	153	153	20
Visayas	2026	4	26	10	87	153	153	20
Visayas	2026	4	26	11	91	153	153	20
Visayas	2026	4	26	12	91	153	153	20
Visayas	2026	4	26	13	92	153	153	20
Visayas	2026	4	26	14	94	153	153	20
Visayas	2026	4	26	15	94	153	153	20
Visayas	2026	4	26	16	92	153	153	20
Visayas	2026	4	26	17	90	153	153	20
Visayas	2026	4	26	18	98	153	153	20
Visayas	2026	4	26	19	102	153	153	20
Visayas	2026	4	26	20	102	153	153	20
Visayas	2026	4	26	21	101	153	153	20
Visayas	2026	4	26	22	97	153	153	20
Visayas	2026	4	26	23	91	153	153	20
Visayas	2026	4	26	24	86	153	153	20
Visayas	2026	4	27	1	82	153	153	20
Visayas	2026	4	27	2	80	153	153	20
Visayas	2026	4	27	3	76	153	153	20
Visayas	2026	4	27	4	73	153	153	20
Visayas	2026	4	27	5	74	153	153	20
Visayas	2026	4	27	6	77	153	153	20
Visayas	2026	4	27	7	78	153	153	20
Visayas	2026	4	27	8	91	153	153	20
Visayas	2026	4	27	9	108	153	153	20
Visayas	2026	4	27	10	116	153	153	20
Visayas	2026	4	27	11	120	153	153	20
Visayas	2026	4	27	12	119	153	153	20
Visayas	2026	4	27	13	120	153	153	20
Visayas	2026	4	27	14	126	153	153	20
Visayas	2026	4	27	15	124	153	153	20
Visayas	2026	4	27	16	122	153	153	20
Visayas	2026	4	27	17	113	153	153	20
Visayas	2026	4	27	18	111	153	153	20
Visayas	2026	4	27	19	117	153	153	20
Visayas	2026	4	27	20	112	153	153	20
Visayas	2026	4	27	21	110	153	153	20
Visayas	2026	4	27	22	104	153	153	20
Visayas	2026	4	27	23	101	153	153	20
Visayas	2026	4	27	24	95	153	153	20
Visayas	2026	4	28	1	89	153	153	20
Visayas	2026	4	28	2	85	153	153	20
Visayas	2026	4	28	3	82	153	153	20
Visayas	2026	4	28	4	79	153	153	20
Visayas	2026	4	28	5	79	153	153	20
Visayas	2026	4	28	6	84	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	4	28	7	83	153	153	20
Visayas	2026	4	28	8	96	153	153	20
Visayas	2026	4	28	9	112	153	153	20
Visayas	2026	4	28	10	120	153	153	20
Visayas	2026	4	28	11	121	153	153	20
Visayas	2026	4	28	12	119	153	153	20
Visayas	2026	4	28	13	122	153	153	20
Visayas	2026	4	28	14	127	153	153	20
Visayas	2026	4	28	15	124	153	153	20
Visayas	2026	4	28	16	121	153	153	20
Visayas	2026	4	28	17	110	153	153	20
Visayas	2026	4	28	18	112	153	153	20
Visayas	2026	4	28	19	111	153	153	20
Visayas	2026	4	28	20	107	153	153	20
Visayas	2026	4	28	21	104	153	153	20
Visayas	2026	4	28	22	90	153	153	20
Visayas	2026	4	28	23	90	153	153	20
Visayas	2026	4	28	24	87	153	153	20
Visayas	2026	4	29	1	82	153	153	20
Visayas	2026	4	29	2	80	153	153	20
Visayas	2026	4	29	3	76	153	153	20
Visayas	2026	4	29	4	75	153	153	20
Visayas	2026	4	29	5	75	153	153	20
Visayas	2026	4	29	6	78	153	153	20
Visayas	2026	4	29	7	78	153	153	20
Visayas	2026	4	29	8	90	153	153	20
Visayas	2026	4	29	9	107	153	153	20
Visayas	2026	4	29	10	115	153	153	20
Visayas	2026	4	29	11	116	153	153	20
Visayas	2026	4	29	12	116	153	153	20
Visayas	2026	4	29	13	117	153	153	20
Visayas	2026	4	29	14	124	153	153	20
Visayas	2026	4	29	15	123	153	153	20
Visayas	2026	4	29	16	119	153	153	20
Visayas	2026	4	29	17	110	153	153	20
Visayas	2026	4	29	18	109	153	153	20
Visayas	2026	4	29	19	113	153	153	20
Visayas	2026	4	29	20	109	153	153	20
Visayas	2026	4	29	21	107	153	153	20
Visayas	2026	4	29	22	101	153	153	20
Visayas	2026	4	29	23	98	153	153	20
Visayas	2026	4	29	24	86	153	153	20
Visayas	2026	4	30	1	80	153	153	20
Visayas	2026	4	30	2	79	153	153	20
Visayas	2026	4	30	3	77	153	153	20
Visayas	2026	4	30	4	74	153	153	20
Visayas	2026	4	30	5	74	153	153	20
Visayas	2026	4	30	6	77	153	153	20
Visayas	2026	4	30	7	78	153	153	20
Visayas	2026	4	30	8	91	153	153	20
Visayas	2026	4	30	9	107	153	153	20
Visayas	2026	4	30	10	113	153	153	20
Visayas	2026	4	30	11	118	153	153	20
Visayas	2026	4	30	12	115	153	153	20
Visayas	2026	4	30	13	116	153	153	20
Visayas	2026	4	30	14	121	153	153	20
Visayas	2026	4	30	15	117	153	153	20
Visayas	2026	4	30	16	114	153	153	20
Visayas	2026	4	30	17	107	153	153	20
Visayas	2026	4	30	18	109	153	153	20
Visayas	2026	4	30	19	111	153	153	20
Visayas	2026	4	30	20	108	153	153	20
Visayas	2026	4	30	21	102	153	153	20
Visayas	2026	4	30	22	99	153	153	20
Visayas	2026	4	30	23	96	153	153	20
Visayas	2026	4	30	24	88	153	153	20
Visayas	2026	5	1	1	82	153	153	20
Visayas	2026	5	1	2	78	153	153	20
Visayas	2026	5	1	3	74	153	153	20
Visayas	2026	5	1	4	71	153	153	20
Visayas	2026	5	1	5	71	153	153	20
Visayas	2026	5	1	6	69	153	153	20
Visayas	2026	5	1	7	71	153	153	20
Visayas	2026	5	1	8	72	153	153	20
Visayas	2026	5	1	9	79	153	153	20
Visayas	2026	5	1	10	86	153	153	20
Visayas	2026	5	1	11	88	153	153	20
Visayas	2026	5	1	12	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	1	13	89	153	153	20
Visayas	2026	5	1	14	92	153	153	20
Visayas	2026	5	1	15	91	153	153	20
Visayas	2026	5	1	16	90	153	153	20
Visayas	2026	5	1	17	88	153	153	20
Visayas	2026	5	1	18	93	153	153	20
Visayas	2026	5	1	19	103	153	153	20
Visayas	2026	5	1	20	100	153	153	20
Visayas	2026	5	1	21	99	153	153	20
Visayas	2026	5	1	22	95	153	153	20
Visayas	2026	5	1	23	90	153	153	20
Visayas	2026	5	1	24	84	153	153	20
Visayas	2026	5	2	1	85	153	153	20
Visayas	2026	5	2	2	82	153	153	20
Visayas	2026	5	2	3	78	153	153	20
Visayas	2026	5	2	4	76	153	153	20
Visayas	2026	5	2	5	77	153	153	20
Visayas	2026	5	2	6	76	153	153	20
Visayas	2026	5	2	7	76	153	153	20
Visayas	2026	5	2	8	85	153	153	20
Visayas	2026	5	2	9	97	153	153	20
Visayas	2026	5	2	10	105	153	153	20
Visayas	2026	5	2	11	109	153	153	20
Visayas	2026	5	2	12	101	153	153	20
Visayas	2026	5	2	13	108	153	153	20
Visayas	2026	5	2	14	113	153	153	20
Visayas	2026	5	2	15	110	153	153	20
Visayas	2026	5	2	16	106	153	153	20
Visayas	2026	5	2	17	101	153	153	20
Visayas	2026	5	2	18	106	153	153	20
Visayas	2026	5	2	19	110	153	153	20
Visayas	2026	5	2	20	107	153	153	20
Visayas	2026	5	2	21	103	153	153	20
Visayas	2026	5	2	22	98	153	153	20
Visayas	2026	5	2	23	93	153	153	20
Visayas	2026	5	2	24	87	153	153	20
Visayas	2026	5	3	1	91	153	153	20
Visayas	2026	5	3	2	87	153	153	20
Visayas	2026	5	3	3	84	153	153	20
Visayas	2026	5	3	4	80	153	153	20
Visayas	2026	5	3	5	80	153	153	20
Visayas	2026	5	3	6	77	153	153	20
Visayas	2026	5	3	7	74	153	153	20
Visayas	2026	5	3	8	78	153	153	20
Visayas	2026	5	3	9	84	153	153	20
Visayas	2026	5	3	10	94	153	153	20
Visayas	2026	5	3	11	97	153	153	20
Visayas	2026	5	3	12	97	153	153	20
Visayas	2026	5	3	13	99	153	153	20
Visayas	2026	5	3	14	98	153	153	20
Visayas	2026	5	3	15	98	153	153	20
Visayas	2026	5	3	16	97	153	153	20
Visayas	2026	5	3	17	94	153	153	20
Visayas	2026	5	3	18	95	153	153	20
Visayas	2026	5	3	19	104	153	153	20
Visayas	2026	5	3	20	101	153	153	20
Visayas	2026	5	3	21	102	153	153	20
Visayas	2026	5	3	22	100	153	153	20
Visayas	2026	5	3	23	96	153	153	20
Visayas	2026	5	3	24	91	153	153	20
Visayas	2026	5	4	1	79	153	153	20
Visayas	2026	5	4	2	77	153	153	20
Visayas	2026	5	4	3	73	153	153	20
Visayas	2026	5	4	4	71	153	153	20
Visayas	2026	5	4	5	71	153	153	20
Visayas	2026	5	4	6	72	153	153	20
Visayas	2026	5	4	7	76	153	153	20
Visayas	2026	5	4	8	88	153	153	20
Visayas	2026	5	4	9	106	153	153	20
Visayas	2026	5	4	10	116	153	153	20
Visayas	2026	5	4	11	121	153	153	20
Visayas	2026	5	4	12	117	153	153	20
Visayas	2026	5	4	13	118	153	153	20
Visayas	2026	5	4	14	123	153	153	20
Visayas	2026	5	4	15	125	153	153	20
Visayas	2026	5	4	16	120	153	153	20
Visayas	2026	5	4	17	111	153	153	20
Visayas	2026	5	4	18	107	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	4	19	114	153	153	20
Visayas	2026	5	4	20	109	153	153	20
Visayas	2026	5	4	21	107	153	153	20
Visayas	2026	5	4	22	101	153	153	20
Visayas	2026	5	4	23	96	153	153	20
Visayas	2026	5	4	24	90	153	153	20
Visayas	2026	5	5	1	87	153	153	20
Visayas	2026	5	5	2	82	153	153	20
Visayas	2026	5	5	3	79	153	153	20
Visayas	2026	5	5	4	77	153	153	20
Visayas	2026	5	5	5	76	153	153	20
Visayas	2026	5	5	6	76	153	153	20
Visayas	2026	5	5	7	76	153	153	20
Visayas	2026	5	5	8	85	153	153	20
Visayas	2026	5	5	9	95	153	153	20
Visayas	2026	5	5	10	103	153	153	20
Visayas	2026	5	5	11	107	153	153	20
Visayas	2026	5	5	12	104	153	153	20
Visayas	2026	5	5	13	105	153	153	20
Visayas	2026	5	5	14	111	153	153	20
Visayas	2026	5	5	15	108	153	153	20
Visayas	2026	5	5	16	105	153	153	20
Visayas	2026	5	5	17	99	153	153	20
Visayas	2026	5	5	18	103	153	153	20
Visayas	2026	5	5	19	110	153	153	20
Visayas	2026	5	5	20	106	153	153	20
Visayas	2026	5	5	21	105	153	153	20
Visayas	2026	5	5	22	100	153	153	20
Visayas	2026	5	5	23	94	153	153	20
Visayas	2026	5	5	24	88	153	153	20
Visayas	2026	5	6	1	84	153	153	20
Visayas	2026	5	6	2	80	153	153	20
Visayas	2026	5	6	3	78	153	153	20
Visayas	2026	5	6	4	76	153	153	20
Visayas	2026	5	6	5	77	153	153	20
Visayas	2026	5	6	6	78	153	153	20
Visayas	2026	5	6	7	82	153	153	20
Visayas	2026	5	6	8	95	153	153	20
Visayas	2026	5	6	9	112	153	153	20
Visayas	2026	5	6	10	120	153	153	20
Visayas	2026	5	6	11	124	153	153	20
Visayas	2026	5	6	12	122	153	153	20
Visayas	2026	5	6	13	122	153	153	20
Visayas	2026	5	6	14	128	153	153	20
Visayas	2026	5	6	15	126	153	153	20
Visayas	2026	5	6	16	125	153	153	20
Visayas	2026	5	6	17	116	153	153	20
Visayas	2026	5	6	18	111	153	153	20
Visayas	2026	5	6	19	119	153	153	20
Visayas	2026	5	6	20	112	153	153	20
Visayas	2026	5	6	21	112	153	153	20
Visayas	2026	5	6	22	103	153	153	20
Visayas	2026	5	6	23	98	153	153	20
Visayas	2026	5	6	24	90	153	153	20
Visayas	2026	5	7	1	86	153	153	20
Visayas	2026	5	7	2	82	153	153	20
Visayas	2026	5	7	3	80	153	153	20
Visayas	2026	5	7	4	74	153	153	20
Visayas	2026	5	7	5	77	153	153	20
Visayas	2026	5	7	6	80	153	153	20
Visayas	2026	5	7	7	80	153	153	20
Visayas	2026	5	7	8	94	153	153	20
Visayas	2026	5	7	9	109	153	153	20
Visayas	2026	5	7	10	119	153	153	20
Visayas	2026	5	7	11	123	153	153	20
Visayas	2026	5	7	12	120	153	153	20
Visayas	2026	5	7	13	120	153	153	20
Visayas	2026	5	7	14	124	153	153	20
Visayas	2026	5	7	15	124	153	153	20
Visayas	2026	5	7	16	120	153	153	20
Visayas	2026	5	7	17	113	153	153	20
Visayas	2026	5	7	18	109	153	153	20
Visayas	2026	5	7	19	115	153	153	20
Visayas	2026	5	7	20	112	153	153	20
Visayas	2026	5	7	21	111	153	153	20
Visayas	2026	5	7	22	103	153	153	20
Visayas	2026	5	7	23	98	153	153	20
Visayas	2026	5	7	24	93	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	8	1	88	153	153	20
Visayas	2026	5	8	2	84	153	153	20
Visayas	2026	5	8	3	80	153	153	20
Visayas	2026	5	8	4	77	153	153	20
Visayas	2026	5	8	5	77	153	153	20
Visayas	2026	5	8	6	78	153	153	20
Visayas	2026	5	8	7	80	153	153	20
Visayas	2026	5	8	8	93	153	153	20
Visayas	2026	5	8	9	111	153	153	20
Visayas	2026	5	8	10	118	153	153	20
Visayas	2026	5	8	11	123	153	153	20
Visayas	2026	5	8	12	120	153	153	20
Visayas	2026	5	8	13	122	153	153	20
Visayas	2026	5	8	14	127	153	153	20
Visayas	2026	5	8	15	126	153	153	20
Visayas	2026	5	8	16	123	153	153	20
Visayas	2026	5	8	17	116	153	153	20
Visayas	2026	5	8	18	110	153	153	20
Visayas	2026	5	8	19	115	153	153	20
Visayas	2026	5	8	20	111	153	153	20
Visayas	2026	5	8	21	109	153	153	20
Visayas	2026	5	8	22	105	153	153	20
Visayas	2026	5	8	23	99	153	153	20
Visayas	2026	5	8	24	93	153	153	20
Visayas	2026	5	9	1	89	153	153	20
Visayas	2026	5	9	2	85	153	153	20
Visayas	2026	5	9	3	82	153	153	20
Visayas	2026	5	9	4	80	153	153	20
Visayas	2026	5	9	5	80	153	153	20
Visayas	2026	5	9	6	78	153	153	20
Visayas	2026	5	9	7	81	153	153	20
Visayas	2026	5	9	8	89	153	153	20
Visayas	2026	5	9	9	102	153	153	20
Visayas	2026	5	9	10	110	153	153	20
Visayas	2026	5	9	11	114	153	153	20
Visayas	2026	5	9	12	111	153	153	20
Visayas	2026	5	9	13	113	153	153	20
Visayas	2026	5	9	14	118	153	153	20
Visayas	2026	5	9	15	116	153	153	20
Visayas	2026	5	9	16	112	153	153	20
Visayas	2026	5	9	17	104	153	153	20
Visayas	2026	5	9	18	106	153	153	20
Visayas	2026	5	9	19	114	153	153	20
Visayas	2026	5	9	20	111	153	153	20
Visayas	2026	5	9	21	108	153	153	20
Visayas	2026	5	9	22	106	153	153	20
Visayas	2026	5	9	23	100	153	153	20
Visayas	2026	5	9	24	96	153	153	20
Visayas	2026	5	10	1	91	153	153	20
Visayas	2026	5	10	2	87	153	153	20
Visayas	2026	5	10	3	84	153	153	20
Visayas	2026	5	10	4	80	153	153	20
Visayas	2026	5	10	5	80	153	153	20
Visayas	2026	5	10	6	77	153	153	20
Visayas	2026	5	10	7	74	153	153	20
Visayas	2026	5	10	8	78	153	153	20
Visayas	2026	5	10	9	84	153	153	20
Visayas	2026	5	10	10	94	153	153	20
Visayas	2026	5	10	11	97	153	153	20
Visayas	2026	5	10	12	97	153	153	20
Visayas	2026	5	10	13	99	153	153	20
Visayas	2026	5	10	14	98	153	153	20
Visayas	2026	5	10	15	98	153	153	20
Visayas	2026	5	10	16	97	153	153	20
Visayas	2026	5	10	17	94	153	153	20
Visayas	2026	5	10	18	95	153	153	20
Visayas	2026	5	10	19	104	153	153	20
Visayas	2026	5	10	20	101	153	153	20
Visayas	2026	5	10	21	102	153	153	20
Visayas	2026	5	10	22	100	153	153	20
Visayas	2026	5	10	23	96	153	153	20
Visayas	2026	5	10	24	91	153	153	20
Visayas	2026	5	11	1	85	153	153	20
Visayas	2026	5	11	2	82	153	153	20
Visayas	2026	5	11	3	79	153	153	20
Visayas	2026	5	11	4	77	153	153	20
Visayas	2026	5	11	5	78	153	153	20
Visayas	2026	5	11	6	73	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	11	7	68	153	153	20
Visayas	2026	5	11	8	69	153	153	20
Visayas	2026	5	11	9	70	153	153	20
Visayas	2026	5	11	10	75	153	153	20
Visayas	2026	5	11	11	81	153	153	20
Visayas	2026	5	11	12	85	153	153	20
Visayas	2026	5	11	13	88	153	153	20
Visayas	2026	5	11	14	90	153	153	20
Visayas	2026	5	11	15	89	153	153	20
Visayas	2026	5	11	16	87	153	153	20
Visayas	2026	5	11	17	85	153	153	20
Visayas	2026	5	11	18	92	153	153	20
Visayas	2026	5	11	19	104	153	153	20
Visayas	2026	5	11	20	99	153	153	20
Visayas	2026	5	11	21	99	153	153	20
Visayas	2026	5	11	22	96	153	153	20
Visayas	2026	5	11	23	93	153	153	20
Visayas	2026	5	11	24	89	153	153	20
Visayas	2026	5	12	1	84	153	153	20
Visayas	2026	5	12	2	80	153	153	20
Visayas	2026	5	12	3	77	153	153	20
Visayas	2026	5	12	4	73	153	153	20
Visayas	2026	5	12	5	75	153	153	20
Visayas	2026	5	12	6	76	153	153	20
Visayas	2026	5	12	7	79	153	153	20
Visayas	2026	5	12	8	93	153	153	20
Visayas	2026	5	12	9	108	153	153	20
Visayas	2026	5	12	10	119	153	153	20
Visayas	2026	5	12	11	123	153	153	20
Visayas	2026	5	12	12	121	153	153	20
Visayas	2026	5	12	13	123	153	153	20
Visayas	2026	5	12	14	126	153	153	20
Visayas	2026	5	12	15	125	153	153	20
Visayas	2026	5	12	16	122	153	153	20
Visayas	2026	5	12	17	113	153	153	20
Visayas	2026	5	12	18	113	153	153	20
Visayas	2026	5	12	19	117	153	153	20
Visayas	2026	5	12	20	112	153	153	20
Visayas	2026	5	12	21	111	153	153	20
Visayas	2026	5	12	22	105	153	153	20
Visayas	2026	5	12	23	99	153	153	20
Visayas	2026	5	12	24	94	153	153	20
Visayas	2026	5	13	1	89	153	153	20
Visayas	2026	5	13	2	85	153	153	20
Visayas	2026	5	13	3	82	153	153	20
Visayas	2026	5	13	4	80	153	153	20
Visayas	2026	5	13	5	80	153	153	20
Visayas	2026	5	13	6	80	153	153	20
Visayas	2026	5	13	7	84	153	153	20
Visayas	2026	5	13	8	96	153	153	20
Visayas	2026	5	13	9	114	153	153	20
Visayas	2026	5	13	10	123	153	153	20
Visayas	2026	5	13	11	127	153	153	20
Visayas	2026	5	13	12	125	153	153	20
Visayas	2026	5	13	13	126	153	153	20
Visayas	2026	5	13	14	130	153	153	20
Visayas	2026	5	13	15	129	153	153	20
Visayas	2026	5	13	16	126	153	153	20
Visayas	2026	5	13	17	118	153	153	20
Visayas	2026	5	13	18	113	153	153	20
Visayas	2026	5	13	19	119	153	153	20
Visayas	2026	5	13	20	118	153	153	20
Visayas	2026	5	13	21	115	153	153	20
Visayas	2026	5	13	22	110	153	153	20
Visayas	2026	5	13	23	103	153	153	20
Visayas	2026	5	13	24	98	153	153	20
Visayas	2026	5	14	1	92	153	153	20
Visayas	2026	5	14	2	88	153	153	20
Visayas	2026	5	14	3	85	153	153	20
Visayas	2026	5	14	4	83	153	153	20
Visayas	2026	5	14	5	82	153	153	20
Visayas	2026	5	14	6	82	153	153	20
Visayas	2026	5	14	7	85	153	153	20
Visayas	2026	5	14	8	98	153	153	20
Visayas	2026	5	14	9	118	153	153	20
Visayas	2026	5	14	10	125	153	153	20
Visayas	2026	5	14	11	127	153	153	20
Visayas	2026	5	14	12	126	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	14	13	127	153	153	20
Visayas	2026	5	14	14	132	153	153	20
Visayas	2026	5	14	15	132	153	153	20
Visayas	2026	5	14	16	129	153	153	20
Visayas	2026	5	14	17	122	153	153	20
Visayas	2026	5	14	18	117	153	153	20
Visayas	2026	5	14	19	122	153	153	20
Visayas	2026	5	14	20	119	153	153	20
Visayas	2026	5	14	21	119	153	153	20
Visayas	2026	5	14	22	113	153	153	20
Visayas	2026	5	14	23	107	153	153	20
Visayas	2026	5	14	24	101	153	153	20
Visayas	2026	5	15	1	96	153	153	20
Visayas	2026	5	15	2	91	153	153	20
Visayas	2026	5	15	3	87	153	153	20
Visayas	2026	5	15	4	83	153	153	20
Visayas	2026	5	15	5	83	153	153	20
Visayas	2026	5	15	6	82	153	153	20
Visayas	2026	5	15	7	85	153	153	20
Visayas	2026	5	15	8	99	153	153	20
Visayas	2026	5	15	9	117	153	153	20
Visayas	2026	5	15	10	124	153	153	20
Visayas	2026	5	15	11	128	153	153	20
Visayas	2026	5	15	12	126	153	153	20
Visayas	2026	5	15	13	127	153	153	20
Visayas	2026	5	15	14	133	153	153	20
Visayas	2026	5	15	15	130	153	153	20
Visayas	2026	5	15	16	126	153	153	20
Visayas	2026	5	15	17	118	153	153	20
Visayas	2026	5	15	18	114	153	153	20
Visayas	2026	5	15	19	121	153	153	20
Visayas	2026	5	15	20	115	153	153	20
Visayas	2026	5	15	21	112	153	153	20
Visayas	2026	5	15	22	107	153	153	20
Visayas	2026	5	15	23	102	153	153	20
Visayas	2026	5	15	24	97	153	153	20
Visayas	2026	5	16	1	92	153	153	20
Visayas	2026	5	16	2	89	153	153	20
Visayas	2026	5	16	3	85	153	153	20
Visayas	2026	5	16	4	81	153	153	20
Visayas	2026	5	16	5	81	153	153	20
Visayas	2026	5	16	6	82	153	153	20
Visayas	2026	5	16	7	82	153	153	20
Visayas	2026	5	16	8	88	153	153	20
Visayas	2026	5	16	9	100	153	153	20
Visayas	2026	5	16	10	107	153	153	20
Visayas	2026	5	16	11	109	153	153	20
Visayas	2026	5	16	12	108	153	153	20
Visayas	2026	5	16	13	109	153	153	20
Visayas	2026	5	16	14	114	153	153	20
Visayas	2026	5	16	15	109	153	153	20
Visayas	2026	5	16	16	108	153	153	20
Visayas	2026	5	16	17	104	153	153	20
Visayas	2026	5	16	18	107	153	153	20
Visayas	2026	5	16	19	111	153	153	20
Visayas	2026	5	16	20	108	153	153	20
Visayas	2026	5	16	21	105	153	153	20
Visayas	2026	5	16	22	99	153	153	20
Visayas	2026	5	16	23	94	153	153	20
Visayas	2026	5	16	24	90	153	153	20
Visayas	2026	5	17	1	85	153	153	20
Visayas	2026	5	17	2	83	153	153	20
Visayas	2026	5	17	3	79	153	153	20
Visayas	2026	5	17	4	76	153	153	20
Visayas	2026	5	17	5	76	153	153	20
Visayas	2026	5	17	6	74	153	153	20
Visayas	2026	5	17	7	71	153	153	20
Visayas	2026	5	17	8	75	153	153	20
Visayas	2026	5	17	9	80	153	153	20
Visayas	2026	5	17	10	84	153	153	20
Visayas	2026	5	17	11	85	153	153	20
Visayas	2026	5	17	12	86	153	153	20
Visayas	2026	5	17	13	86	153	153	20
Visayas	2026	5	17	14	87	153	153	20
Visayas	2026	5	17	15	89	153	153	20
Visayas	2026	5	17	16	88	153	153	20
Visayas	2026	5	17	17	89	153	153	20
Visayas	2026	5	17	18	97	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	17	19	102	153	153	20
Visayas	2026	5	17	20	97	153	153	20
Visayas	2026	5	17	21	94	153	153	20
Visayas	2026	5	17	22	90	153	153	20
Visayas	2026	5	17	23	84	153	153	20
Visayas	2026	5	17	24	80	153	153	20
Visayas	2026	5	18	1	76	153	153	20
Visayas	2026	5	18	2	73	153	153	20
Visayas	2026	5	18	3	70	153	153	20
Visayas	2026	5	18	4	70	153	153	20
Visayas	2026	5	18	5	71	153	153	20
Visayas	2026	5	18	6	74	153	153	20
Visayas	2026	5	18	7	75	153	153	20
Visayas	2026	5	18	8	90	153	153	20
Visayas	2026	5	18	9	109	153	153	20
Visayas	2026	5	18	10	117	153	153	20
Visayas	2026	5	18	11	121	153	153	20
Visayas	2026	5	18	12	118	153	153	20
Visayas	2026	5	18	13	121	153	153	20
Visayas	2026	5	18	14	128	153	153	20
Visayas	2026	5	18	15	125	153	153	20
Visayas	2026	5	18	16	121	153	153	20
Visayas	2026	5	18	17	111	153	153	20
Visayas	2026	5	18	18	112	153	153	20
Visayas	2026	5	18	19	112	153	153	20
Visayas	2026	5	18	20	110	153	153	20
Visayas	2026	5	18	21	108	153	153	20
Visayas	2026	5	18	22	101	153	153	20
Visayas	2026	5	18	23	95	153	153	20
Visayas	2026	5	18	24	91	153	153	20
Visayas	2026	5	19	1	86	153	153	20
Visayas	2026	5	19	2	83	153	153	20
Visayas	2026	5	19	3	79	153	153	20
Visayas	2026	5	19	4	78	153	153	20
Visayas	2026	5	19	5	78	153	153	20
Visayas	2026	5	19	6	81	153	153	20
Visayas	2026	5	19	7	82	153	153	20
Visayas	2026	5	19	8	94	153	153	20
Visayas	2026	5	19	9	112	153	153	20
Visayas	2026	5	19	10	121	153	153	20
Visayas	2026	5	19	11	121	153	153	20
Visayas	2026	5	19	12	121	153	153	20
Visayas	2026	5	19	13	124	153	153	20
Visayas	2026	5	19	14	129	153	153	20
Visayas	2026	5	19	15	129	153	153	20
Visayas	2026	5	19	16	125	153	153	20
Visayas	2026	5	19	17	117	153	153	20
Visayas	2026	5	19	18	116	153	153	20
Visayas	2026	5	19	19	117	153	153	20
Visayas	2026	5	19	20	113	153	153	20
Visayas	2026	5	19	21	111	153	153	20
Visayas	2026	5	19	22	105	153	153	20
Visayas	2026	5	19	23	98	153	153	20
Visayas	2026	5	19	24	92	153	153	20
Visayas	2026	5	20	1	87	153	153	20
Visayas	2026	5	20	2	84	153	153	20
Visayas	2026	5	20	3	80	153	153	20
Visayas	2026	5	20	4	78	153	153	20
Visayas	2026	5	20	5	79	153	153	20
Visayas	2026	5	20	6	79	153	153	20
Visayas	2026	5	20	7	80	153	153	20
Visayas	2026	5	20	8	91	153	153	20
Visayas	2026	5	20	9	111	153	153	20
Visayas	2026	5	20	10	118	153	153	20
Visayas	2026	5	20	11	124	153	153	20
Visayas	2026	5	20	12	121	153	153	20
Visayas	2026	5	20	13	121	153	153	20
Visayas	2026	5	20	14	128	153	153	20
Visayas	2026	5	20	15	126	153	153	20
Visayas	2026	5	20	16	125	153	153	20
Visayas	2026	5	20	17	114	153	153	20
Visayas	2026	5	20	18	112	153	153	20
Visayas	2026	5	20	19	115	153	153	20
Visayas	2026	5	20	20	112	153	153	20
Visayas	2026	5	20	21	108	153	153	20
Visayas	2026	5	20	22	102	153	153	20
Visayas	2026	5	20	23	100	153	153	20
Visayas	2026	5	20	24	91	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	21	1	86	153	153	20
Visayas	2026	5	21	2	83	153	153	20
Visayas	2026	5	21	3	80	153	153	20
Visayas	2026	5	21	4	76	153	153	20
Visayas	2026	5	21	5	78	153	153	20
Visayas	2026	5	21	6	79	153	153	20
Visayas	2026	5	21	7	81	153	153	20
Visayas	2026	5	21	8	95	153	153	20
Visayas	2026	5	21	9	113	153	153	20
Visayas	2026	5	21	10	123	153	153	20
Visayas	2026	5	21	11	126	153	153	20
Visayas	2026	5	21	12	123	153	153	20
Visayas	2026	5	21	13	123	153	153	20
Visayas	2026	5	21	14	131	153	153	20
Visayas	2026	5	21	15	127	153	153	20
Visayas	2026	5	21	16	123	153	153	20
Visayas	2026	5	21	17	116	153	153	20
Visayas	2026	5	21	18	113	153	153	20
Visayas	2026	5	21	19	117	153	153	20
Visayas	2026	5	21	20	114	153	153	20
Visayas	2026	5	21	21	110	153	153	20
Visayas	2026	5	21	22	104	153	153	20
Visayas	2026	5	21	23	101	153	153	20
Visayas	2026	5	21	24	93	153	153	20
Visayas	2026	5	22	1	88	153	153	20
Visayas	2026	5	22	2	85	153	153	20
Visayas	2026	5	22	3	82	153	153	20
Visayas	2026	5	22	4	78	153	153	20
Visayas	2026	5	22	5	79	153	153	20
Visayas	2026	5	22	6	81	153	153	20
Visayas	2026	5	22	7	84	153	153	20
Visayas	2026	5	22	8	94	153	153	20
Visayas	2026	5	22	9	117	153	153	20
Visayas	2026	5	22	10	124	153	153	20
Visayas	2026	5	22	11	127	153	153	20
Visayas	2026	5	22	12	124	153	153	20
Visayas	2026	5	22	13	126	153	153	20
Visayas	2026	5	22	14	130	153	153	20
Visayas	2026	5	22	15	129	153	153	20
Visayas	2026	5	22	16	125	153	153	20
Visayas	2026	5	22	17	115	153	153	20
Visayas	2026	5	22	18	114	153	153	20
Visayas	2026	5	22	19	119	153	153	20
Visayas	2026	5	22	20	114	153	153	20
Visayas	2026	5	22	21	110	153	153	20
Visayas	2026	5	22	22	104	153	153	20
Visayas	2026	5	22	23	100	153	153	20
Visayas	2026	5	22	24	93	153	153	20
Visayas	2026	5	23	1	89	153	153	20
Visayas	2026	5	23	2	85	153	153	20
Visayas	2026	5	23	3	83	153	153	20
Visayas	2026	5	23	4	79	153	153	20
Visayas	2026	5	23	5	81	153	153	20
Visayas	2026	5	23	6	79	153	153	20
Visayas	2026	5	23	7	79	153	153	20
Visayas	2026	5	23	8	85	153	153	20
Visayas	2026	5	23	9	97	153	153	20
Visayas	2026	5	23	10	106	153	153	20
Visayas	2026	5	23	11	108	153	153	20
Visayas	2026	5	23	12	105	153	153	20
Visayas	2026	5	23	13	105	153	153	20
Visayas	2026	5	23	14	110	153	153	20
Visayas	2026	5	23	15	110	153	153	20
Visayas	2026	5	23	16	104	153	153	20
Visayas	2026	5	23	17	101	153	153	20
Visayas	2026	5	23	18	106	153	153	20
Visayas	2026	5	23	19	112	153	153	20
Visayas	2026	5	23	20	108	153	153	20
Visayas	2026	5	23	21	106	153	153	20
Visayas	2026	5	23	22	100	153	153	20
Visayas	2026	5	23	23	92	153	153	20
Visayas	2026	5	23	24	88	153	153	20
Visayas	2026	5	24	1	83	153	153	20
Visayas	2026	5	24	2	80	153	153	20
Visayas	2026	5	24	3	77	153	153	20
Visayas	2026	5	24	4	73	153	153	20
Visayas	2026	5	24	5	72	153	153	20
Visayas	2026	5	24	6	69	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	24	7	69	153	153	20
Visayas	2026	5	24	8	76	153	153	20
Visayas	2026	5	24	9	81	153	153	20
Visayas	2026	5	24	10	87	153	153	20
Visayas	2026	5	24	11	92	153	153	20
Visayas	2026	5	24	12	88	153	153	20
Visayas	2026	5	24	13	89	153	153	20
Visayas	2026	5	24	14	92	153	153	20
Visayas	2026	5	24	15	89	153	153	20
Visayas	2026	5	24	16	87	153	153	20
Visayas	2026	5	24	17	87	153	153	20
Visayas	2026	5	24	18	96	153	153	20
Visayas	2026	5	24	19	102	153	153	20
Visayas	2026	5	24	20	100	153	153	20
Visayas	2026	5	24	21	98	153	153	20
Visayas	2026	5	24	22	92	153	153	20
Visayas	2026	5	24	23	87	153	153	20
Visayas	2026	5	24	24	82	153	153	20
Visayas	2026	5	25	1	76	153	153	20
Visayas	2026	5	25	2	74	153	153	20
Visayas	2026	5	25	3	70	153	153	20
Visayas	2026	5	25	4	69	153	153	20
Visayas	2026	5	25	5	70	153	153	20
Visayas	2026	5	25	6	73	153	153	20
Visayas	2026	5	25	7	76	153	153	20
Visayas	2026	5	25	8	92	153	153	20
Visayas	2026	5	25	9	108	153	153	20
Visayas	2026	5	25	10	118	153	153	20
Visayas	2026	5	25	11	123	153	153	20
Visayas	2026	5	25	12	120	153	153	20
Visayas	2026	5	25	13	122	153	153	20
Visayas	2026	5	25	14	127	153	153	20
Visayas	2026	5	25	15	126	153	153	20
Visayas	2026	5	25	16	123	153	153	20
Visayas	2026	5	25	17	114	153	153	20
Visayas	2026	5	25	18	111	153	153	20
Visayas	2026	5	25	19	117	153	153	20
Visayas	2026	5	25	20	112	153	153	20
Visayas	2026	5	25	21	108	153	153	20
Visayas	2026	5	25	22	103	153	153	20
Visayas	2026	5	25	23	98	153	153	20
Visayas	2026	5	25	24	89	153	153	20
Visayas	2026	5	26	1	86	153	153	20
Visayas	2026	5	26	2	82	153	153	20
Visayas	2026	5	26	3	79	153	153	20
Visayas	2026	5	26	4	77	153	153	20
Visayas	2026	5	26	5	78	153	153	20
Visayas	2026	5	26	6	79	153	153	20
Visayas	2026	5	26	7	82	153	153	20
Visayas	2026	5	26	8	94	153	153	20
Visayas	2026	5	26	9	115	153	153	20
Visayas	2026	5	26	10	124	153	153	20
Visayas	2026	5	26	11	126	153	153	20
Visayas	2026	5	26	12	125	153	153	20
Visayas	2026	5	26	13	125	153	153	20
Visayas	2026	5	26	14	128	153	153	20
Visayas	2026	5	26	15	126	153	153	20
Visayas	2026	5	26	16	122	153	153	20
Visayas	2026	5	26	17	113	153	153	20
Visayas	2026	5	26	18	111	153	153	20
Visayas	2026	5	26	19	117	153	153	20
Visayas	2026	5	26	20	112	153	153	20
Visayas	2026	5	26	21	109	153	153	20
Visayas	2026	5	26	22	103	153	153	20
Visayas	2026	5	26	23	96	153	153	20
Visayas	2026	5	26	24	90	153	153	20
Visayas	2026	5	27	1	86	153	153	20
Visayas	2026	5	27	2	82	153	153	20
Visayas	2026	5	27	3	79	153	153	20
Visayas	2026	5	27	4	76	153	153	20
Visayas	2026	5	27	5	78	153	153	20
Visayas	2026	5	27	6	80	153	153	20
Visayas	2026	5	27	7	82	153	153	20
Visayas	2026	5	27	8	96	153	153	20
Visayas	2026	5	27	9	114	153	153	20
Visayas	2026	5	27	10	123	153	153	20
Visayas	2026	5	27	11	127	153	153	20
Visayas	2026	5	27	12	124	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	27	13	125	153	153	20
Visayas	2026	5	27	14	130	153	153	20
Visayas	2026	5	27	15	128	153	153	20
Visayas	2026	5	27	16	125	153	153	20
Visayas	2026	5	27	17	118	153	153	20
Visayas	2026	5	27	18	115	153	153	20
Visayas	2026	5	27	19	120	153	153	20
Visayas	2026	5	27	20	116	153	153	20
Visayas	2026	5	27	21	113	153	153	20
Visayas	2026	5	27	22	108	153	153	20
Visayas	2026	5	27	23	99	153	153	20
Visayas	2026	5	27	24	94	153	153	20
Visayas	2026	5	28	1	87	153	153	20
Visayas	2026	5	28	2	84	153	153	20
Visayas	2026	5	28	3	82	153	153	20
Visayas	2026	5	28	4	78	153	153	20
Visayas	2026	5	28	5	79	153	153	20
Visayas	2026	5	28	6	79	153	153	20
Visayas	2026	5	28	7	80	153	153	20
Visayas	2026	5	28	8	98	153	153	20
Visayas	2026	5	28	9	113	153	153	20
Visayas	2026	5	28	10	122	153	153	20
Visayas	2026	5	28	11	126	153	153	20
Visayas	2026	5	28	12	122	153	153	20
Visayas	2026	5	28	13	124	153	153	20
Visayas	2026	5	28	14	129	153	153	20
Visayas	2026	5	28	15	128	153	153	20
Visayas	2026	5	28	16	125	153	153	20
Visayas	2026	5	28	17	116	153	153	20
Visayas	2026	5	28	18	113	153	153	20
Visayas	2026	5	28	19	120	153	153	20
Visayas	2026	5	28	20	117	153	153	20
Visayas	2026	5	28	21	112	153	153	20
Visayas	2026	5	28	22	101	153	153	20
Visayas	2026	5	28	23	99	153	153	20
Visayas	2026	5	28	24	92	153	153	20
Visayas	2026	5	29	1	86	153	153	20
Visayas	2026	5	29	2	84	153	153	20
Visayas	2026	5	29	3	80	153	153	20
Visayas	2026	5	29	4	77	153	153	20
Visayas	2026	5	29	5	77	153	153	20
Visayas	2026	5	29	6	77	153	153	20
Visayas	2026	5	29	7	79	153	153	20
Visayas	2026	5	29	8	89	153	153	20
Visayas	2026	5	29	9	101	153	153	20
Visayas	2026	5	29	10	111	153	153	20
Visayas	2026	5	29	11	119	153	153	20
Visayas	2026	5	29	12	116	153	153	20
Visayas	2026	5	29	13	116	153	153	20
Visayas	2026	5	29	14	123	153	153	20
Visayas	2026	5	29	15	119	153	153	20
Visayas	2026	5	29	16	115	153	153	20
Visayas	2026	5	29	17	108	153	153	20
Visayas	2026	5	29	18	108	153	153	20
Visayas	2026	5	29	19	109	153	153	20
Visayas	2026	5	29	20	106	153	153	20
Visayas	2026	5	29	21	102	153	153	20
Visayas	2026	5	29	22	95	153	153	20
Visayas	2026	5	29	23	90	153	153	20
Visayas	2026	5	29	24	83	153	153	20
Visayas	2026	5	30	1	79	153	153	20
Visayas	2026	5	30	2	76	153	153	20
Visayas	2026	5	30	3	74	153	153	20
Visayas	2026	5	30	4	71	153	153	20
Visayas	2026	5	30	5	71	153	153	20
Visayas	2026	5	30	6	71	153	153	20
Visayas	2026	5	30	7	73	153	153	20
Visayas	2026	5	30	8	77	153	153	20
Visayas	2026	5	30	9	90	153	153	20
Visayas	2026	5	30	10	96	153	153	20
Visayas	2026	5	30	11	104	153	153	20
Visayas	2026	5	30	12	101	153	153	20
Visayas	2026	5	30	13	102	153	153	20
Visayas	2026	5	30	14	106	153	153	20
Visayas	2026	5	30	15	104	153	153	20
Visayas	2026	5	30	16	101	153	153	20
Visayas	2026	5	30	17	98	153	153	20
Visayas	2026	5	30	18	101	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	5	30	19	104	153	153	20
Visayas	2026	5	30	20	102	153	153	20
Visayas	2026	5	30	21	98	153	153	20
Visayas	2026	5	30	22	92	153	153	20
Visayas	2026	5	30	23	88	153	153	20
Visayas	2026	5	30	24	84	153	153	20
Visayas	2026	5	31	1	78	153	153	20
Visayas	2026	5	31	2	75	153	153	20
Visayas	2026	5	31	3	74	153	153	20
Visayas	2026	5	31	4	70	153	153	20
Visayas	2026	5	31	5	70	153	153	20
Visayas	2026	5	31	6	69	153	153	20
Visayas	2026	5	31	7	66	153	153	20
Visayas	2026	5	31	8	68	153	153	20
Visayas	2026	5	31	9	76	153	153	20
Visayas	2026	5	31	10	85	153	153	20
Visayas	2026	5	31	11	88	153	153	20
Visayas	2026	5	31	12	90	153	153	20
Visayas	2026	5	31	13	87	153	153	20
Visayas	2026	5	31	14	89	153	153	20
Visayas	2026	5	31	15	87	153	153	20
Visayas	2026	5	31	16	86	153	153	20
Visayas	2026	5	31	17	88	153	153	20
Visayas	2026	5	31	18	92	153	153	20
Visayas	2026	5	31	19	101	153	153	20
Visayas	2026	5	31	20	100	153	153	20
Visayas	2026	5	31	21	97	153	153	20
Visayas	2026	5	31	22	93	153	153	20
Visayas	2026	5	31	23	86	153	153	20
Visayas	2026	5	31	24	80	153	153	20
Visayas	2026	6	1	1	76	153	153	20
Visayas	2026	6	1	2	72	153	153	20
Visayas	2026	6	1	3	71	153	153	20
Visayas	2026	6	1	4	69	153	153	20
Visayas	2026	6	1	5	69	153	153	20
Visayas	2026	6	1	6	72	153	153	20
Visayas	2026	6	1	7	74	153	153	20
Visayas	2026	6	1	8	86	153	153	20
Visayas	2026	6	1	9	104	153	153	20
Visayas	2026	6	1	10	111	153	153	20
Visayas	2026	6	1	11	114	153	153	20
Visayas	2026	6	1	12	108	153	153	20
Visayas	2026	6	1	13	106	153	153	20
Visayas	2026	6	1	14	113	153	153	20
Visayas	2026	6	1	15	112	153	153	20
Visayas	2026	6	1	16	110	153	153	20
Visayas	2026	6	1	17	102	153	153	20
Visayas	2026	6	1	18	104	153	153	20
Visayas	2026	6	1	19	108	153	153	20
Visayas	2026	6	1	20	102	153	153	20
Visayas	2026	6	1	21	97	153	153	20
Visayas	2026	6	1	22	91	153	153	20
Visayas	2026	6	1	23	85	153	153	20
Visayas	2026	6	1	24	81	153	153	20
Visayas	2026	6	2	1	76	153	153	20
Visayas	2026	6	2	2	72	153	153	20
Visayas	2026	6	2	3	70	153	153	20
Visayas	2026	6	2	4	68	153	153	20
Visayas	2026	6	2	5	69	153	153	20
Visayas	2026	6	2	6	73	153	153	20
Visayas	2026	6	2	7	75	153	153	20
Visayas	2026	6	2	8	85	153	153	20
Visayas	2026	6	2	9	101	153	153	20
Visayas	2026	6	2	10	109	153	153	20
Visayas	2026	6	2	11	112	153	153	20
Visayas	2026	6	2	12	112	153	153	20
Visayas	2026	6	2	13	111	153	153	20
Visayas	2026	6	2	14	117	153	153	20
Visayas	2026	6	2	15	117	153	153	20
Visayas	2026	6	2	16	113	153	153	20
Visayas	2026	6	2	17	106	153	153	20
Visayas	2026	6	2	18	106	153	153	20
Visayas	2026	6	2	19	108	153	153	20
Visayas	2026	6	2	20	104	153	153	20
Visayas	2026	6	2	21	99	153	153	20
Visayas	2026	6	2	22	94	153	153	20
Visayas	2026	6	2	23	88	153	153	20
Visayas	2026	6	2	24	83	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	3	1	78	153	153	20
Visayas	2026	6	3	2	76	153	153	20
Visayas	2026	6	3	3	72	153	153	20
Visayas	2026	6	3	4	70	153	153	20
Visayas	2026	6	3	5	73	153	153	20
Visayas	2026	6	3	6	74	153	153	20
Visayas	2026	6	3	7	78	153	153	20
Visayas	2026	6	3	8	91	153	153	20
Visayas	2026	6	3	9	108	153	153	20
Visayas	2026	6	3	10	121	153	153	20
Visayas	2026	6	3	11	122	153	153	20
Visayas	2026	6	3	12	118	153	153	20
Visayas	2026	6	3	13	120	153	153	20
Visayas	2026	6	3	14	127	153	153	20
Visayas	2026	6	3	15	126	153	153	20
Visayas	2026	6	3	16	124	153	153	20
Visayas	2026	6	3	17	116	153	153	20
Visayas	2026	6	3	18	111	153	153	20
Visayas	2026	6	3	19	118	153	153	20
Visayas	2026	6	3	20	114	153	153	20
Visayas	2026	6	3	21	110	153	153	20
Visayas	2026	6	3	22	106	153	153	20
Visayas	2026	6	3	23	98	153	153	20
Visayas	2026	6	3	24	93	153	153	20
Visayas	2026	6	4	1	88	153	153	20
Visayas	2026	6	4	2	84	153	153	20
Visayas	2026	6	4	3	81	153	153	20
Visayas	2026	6	4	4	77	153	153	20
Visayas	2026	6	4	5	80	153	153	20
Visayas	2026	6	4	6	81	153	153	20
Visayas	2026	6	4	7	81	153	153	20
Visayas	2026	6	4	8	96	153	153	20
Visayas	2026	6	4	9	113	153	153	20
Visayas	2026	6	4	10	122	153	153	20
Visayas	2026	6	4	11	128	153	153	20
Visayas	2026	6	4	12	123	153	153	20
Visayas	2026	6	4	13	125	153	153	20
Visayas	2026	6	4	14	128	153	153	20
Visayas	2026	6	4	15	125	153	153	20
Visayas	2026	6	4	16	120	153	153	20
Visayas	2026	6	4	17	111	153	153	20
Visayas	2026	6	4	18	107	153	153	20
Visayas	2026	6	4	19	111	153	153	20
Visayas	2026	6	4	20	109	153	153	20
Visayas	2026	6	4	21	104	153	153	20
Visayas	2026	6	4	22	97	153	153	20
Visayas	2026	6	4	23	92	153	153	20
Visayas	2026	6	4	24	86	153	153	20
Visayas	2026	6	5	1	82	153	153	20
Visayas	2026	6	5	2	78	153	153	20
Visayas	2026	6	5	3	74	153	153	20
Visayas	2026	6	5	4	74	153	153	20
Visayas	2026	6	5	5	74	153	153	20
Visayas	2026	6	5	6	77	153	153	20
Visayas	2026	6	5	7	79	153	153	20
Visayas	2026	6	5	8	92	153	153	20
Visayas	2026	6	5	9	111	153	153	20
Visayas	2026	6	5	10	119	153	153	20
Visayas	2026	6	5	11	123	153	153	20
Visayas	2026	6	5	12	120	153	153	20
Visayas	2026	6	5	13	122	153	153	20
Visayas	2026	6	5	14	127	153	153	20
Visayas	2026	6	5	15	127	153	153	20
Visayas	2026	6	5	16	121	153	153	20
Visayas	2026	6	5	17	112	153	153	20
Visayas	2026	6	5	18	106	153	153	20
Visayas	2026	6	5	19	118	153	153	20
Visayas	2026	6	5	20	113	153	153	20
Visayas	2026	6	5	21	111	153	153	20
Visayas	2026	6	5	22	104	153	153	20
Visayas	2026	6	5	23	98	153	153	20
Visayas	2026	6	5	24	92	153	153	20
Visayas	2026	6	6	1	88	153	153	20
Visayas	2026	6	6	2	84	153	153	20
Visayas	2026	6	6	3	81	153	153	20
Visayas	2026	6	6	4	78	153	153	20
Visayas	2026	6	6	5	77	153	153	20
Visayas	2026	6	6	6	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	6	7	78	153	153	20
Visayas	2026	6	6	8	88	153	153	20
Visayas	2026	6	6	9	100	153	153	20
Visayas	2026	6	6	10	108	153	153	20
Visayas	2026	6	6	11	113	153	153	20
Visayas	2026	6	6	12	112	153	153	20
Visayas	2026	6	6	13	112	153	153	20
Visayas	2026	6	6	14	114	153	153	20
Visayas	2026	6	6	15	114	153	153	20
Visayas	2026	6	6	16	110	153	153	20
Visayas	2026	6	6	17	103	153	153	20
Visayas	2026	6	6	18	105	153	153	20
Visayas	2026	6	6	19	110	153	153	20
Visayas	2026	6	6	20	108	153	153	20
Visayas	2026	6	6	21	106	153	153	20
Visayas	2026	6	6	22	100	153	153	20
Visayas	2026	6	6	23	95	153	153	20
Visayas	2026	6	6	24	90	153	153	20
Visayas	2026	6	7	1	85	153	153	20
Visayas	2026	6	7	2	83	153	153	20
Visayas	2026	6	7	3	79	153	153	20
Visayas	2026	6	7	4	76	153	153	20
Visayas	2026	6	7	5	75	153	153	20
Visayas	2026	6	7	6	68	153	153	20
Visayas	2026	6	7	7	65	153	153	20
Visayas	2026	6	7	8	68	153	153	20
Visayas	2026	6	7	9	73	153	153	20
Visayas	2026	6	7	10	79	153	153	20
Visayas	2026	6	7	11	81	153	153	20
Visayas	2026	6	7	12	80	153	153	20
Visayas	2026	6	7	13	74	153	153	20
Visayas	2026	6	7	14	79	153	153	20
Visayas	2026	6	7	15	77	153	153	20
Visayas	2026	6	7	16	77	153	153	20
Visayas	2026	6	7	17	77	153	153	20
Visayas	2026	6	7	18	84	153	153	20
Visayas	2026	6	7	19	93	153	153	20
Visayas	2026	6	7	20	96	153	153	20
Visayas	2026	6	7	21	93	153	153	20
Visayas	2026	6	7	22	88	153	153	20
Visayas	2026	6	7	23	82	153	153	20
Visayas	2026	6	7	24	76	153	153	20
Visayas	2026	6	8	1	73	153	153	20
Visayas	2026	6	8	2	69	153	153	20
Visayas	2026	6	8	3	67	153	153	20
Visayas	2026	6	8	4	66	153	153	20
Visayas	2026	6	8	5	68	153	153	20
Visayas	2026	6	8	6	71	153	153	20
Visayas	2026	6	8	7	75	153	153	20
Visayas	2026	6	8	8	88	153	153	20
Visayas	2026	6	8	9	106	153	153	20
Visayas	2026	6	8	10	115	153	153	20
Visayas	2026	6	8	11	121	153	153	20
Visayas	2026	6	8	12	117	153	153	20
Visayas	2026	6	8	13	117	153	153	20
Visayas	2026	6	8	14	123	153	153	20
Visayas	2026	6	8	15	122	153	153	20
Visayas	2026	6	8	16	119	153	153	20
Visayas	2026	6	8	17	108	153	153	20
Visayas	2026	6	8	18	110	153	153	20
Visayas	2026	6	8	19	114	153	153	20
Visayas	2026	6	8	20	110	153	153	20
Visayas	2026	6	8	21	107	153	153	20
Visayas	2026	6	8	22	100	153	153	20
Visayas	2026	6	8	23	93	153	153	20
Visayas	2026	6	8	24	84	153	153	20
Visayas	2026	6	9	1	80	153	153	20
Visayas	2026	6	9	2	79	153	153	20
Visayas	2026	6	9	3	75	153	153	20
Visayas	2026	6	9	4	74	153	153	20
Visayas	2026	6	9	5	75	153	153	20
Visayas	2026	6	9	6	76	153	153	20
Visayas	2026	6	9	7	79	153	153	20
Visayas	2026	6	9	8	94	153	153	20
Visayas	2026	6	9	9	111	153	153	20
Visayas	2026	6	9	10	117	153	153	20
Visayas	2026	6	9	11	124	153	153	20
Visayas	2026	6	9	12	120	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	9	13	122	153	153	20
Visayas	2026	6	9	14	128	153	153	20
Visayas	2026	6	9	15	127	153	153	20
Visayas	2026	6	9	16	122	153	153	20
Visayas	2026	6	9	17	113	153	153	20
Visayas	2026	6	9	18	106	153	153	20
Visayas	2026	6	9	19	118	153	153	20
Visayas	2026	6	9	20	112	153	153	20
Visayas	2026	6	9	21	109	153	153	20
Visayas	2026	6	9	22	102	153	153	20
Visayas	2026	6	9	23	95	153	153	20
Visayas	2026	6	9	24	89	153	153	20
Visayas	2026	6	10	1	85	153	153	20
Visayas	2026	6	10	2	80	153	153	20
Visayas	2026	6	10	3	77	153	153	20
Visayas	2026	6	10	4	74	153	153	20
Visayas	2026	6	10	5	76	153	153	20
Visayas	2026	6	10	6	77	153	153	20
Visayas	2026	6	10	7	81	153	153	20
Visayas	2026	6	10	8	95	153	153	20
Visayas	2026	6	10	9	112	153	153	20
Visayas	2026	6	10	10	123	153	153	20
Visayas	2026	6	10	11	125	153	153	20
Visayas	2026	6	10	12	121	153	153	20
Visayas	2026	6	10	13	118	153	153	20
Visayas	2026	6	10	14	125	153	153	20
Visayas	2026	6	10	15	123	153	153	20
Visayas	2026	6	10	16	118	153	153	20
Visayas	2026	6	10	17	110	153	153	20
Visayas	2026	6	10	18	108	153	153	20
Visayas	2026	6	10	19	112	153	153	20
Visayas	2026	6	10	20	108	153	153	20
Visayas	2026	6	10	21	105	153	153	20
Visayas	2026	6	10	22	98	153	153	20
Visayas	2026	6	10	23	90	153	153	20
Visayas	2026	6	10	24	86	153	153	20
Visayas	2026	6	11	1	82	153	153	20
Visayas	2026	6	11	2	79	153	153	20
Visayas	2026	6	11	3	76	153	153	20
Visayas	2026	6	11	4	73	153	153	20
Visayas	2026	6	11	5	74	153	153	20
Visayas	2026	6	11	6	77	153	153	20
Visayas	2026	6	11	7	78	153	153	20
Visayas	2026	6	11	8	94	153	153	20
Visayas	2026	6	11	9	111	153	153	20
Visayas	2026	6	11	10	120	153	153	20
Visayas	2026	6	11	11	124	153	153	20
Visayas	2026	6	11	12	120	153	153	20
Visayas	2026	6	11	13	122	153	153	20
Visayas	2026	6	11	14	127	153	153	20
Visayas	2026	6	11	15	125	153	153	20
Visayas	2026	6	11	16	124	153	153	20
Visayas	2026	6	11	17	118	153	153	20
Visayas	2026	6	11	18	110	153	153	20
Visayas	2026	6	11	19	119	153	153	20
Visayas	2026	6	11	20	115	153	153	20
Visayas	2026	6	11	21	112	153	153	20
Visayas	2026	6	11	22	106	153	153	20
Visayas	2026	6	11	23	99	153	153	20
Visayas	2026	6	11	24	93	153	153	20
Visayas	2026	6	12	1	78	153	153	20
Visayas	2026	6	12	2	74	153	153	20
Visayas	2026	6	12	3	71	153	153	20
Visayas	2026	6	12	4	69	153	153	20
Visayas	2026	6	12	5	68	153	153	20
Visayas	2026	6	12	6	67	153	153	20
Visayas	2026	6	12	7	66	153	153	20
Visayas	2026	6	12	8	71	153	153	20
Visayas	2026	6	12	9	78	153	153	20
Visayas	2026	6	12	10	86	153	153	20
Visayas	2026	6	12	11	90	153	153	20
Visayas	2026	6	12	12	89	153	153	20
Visayas	2026	6	12	13	90	153	153	20
Visayas	2026	6	12	14	94	153	153	20
Visayas	2026	6	12	15	92	153	153	20
Visayas	2026	6	12	16	90	153	153	20
Visayas	2026	6	12	17	87	153	153	20
Visayas	2026	6	12	18	92	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	12	19	104	153	153	20
Visayas	2026	6	12	20	99	153	153	20
Visayas	2026	6	12	21	95	153	153	20
Visayas	2026	6	12	22	95	153	153	20
Visayas	2026	6	12	23	87	153	153	20
Visayas	2026	6	12	24	83	153	153	20
Visayas	2026	6	13	1	86	153	153	20
Visayas	2026	6	13	2	82	153	153	20
Visayas	2026	6	13	3	76	153	153	20
Visayas	2026	6	13	4	75	153	153	20
Visayas	2026	6	13	5	75	153	153	20
Visayas	2026	6	13	6	76	153	153	20
Visayas	2026	6	13	7	75	153	153	20
Visayas	2026	6	13	8	82	153	153	20
Visayas	2026	6	13	9	91	153	153	20
Visayas	2026	6	13	10	97	153	153	20
Visayas	2026	6	13	11	100	153	153	20
Visayas	2026	6	13	12	97	153	153	20
Visayas	2026	6	13	13	98	153	153	20
Visayas	2026	6	13	14	102	153	153	20
Visayas	2026	6	13	15	101	153	153	20
Visayas	2026	6	13	16	99	153	153	20
Visayas	2026	6	13	17	97	153	153	20
Visayas	2026	6	13	18	98	153	153	20
Visayas	2026	6	13	19	106	153	153	20
Visayas	2026	6	13	20	103	153	153	20
Visayas	2026	6	13	21	100	153	153	20
Visayas	2026	6	13	22	94	153	153	20
Visayas	2026	6	13	23	88	153	153	20
Visayas	2026	6	13	24	84	153	153	20
Visayas	2026	6	14	1	84	153	153	20
Visayas	2026	6	14	2	82	153	153	20
Visayas	2026	6	14	3	78	153	153	20
Visayas	2026	6	14	4	75	153	153	20
Visayas	2026	6	14	5	74	153	153	20
Visayas	2026	6	14	6	72	153	153	20
Visayas	2026	6	14	7	67	153	153	20
Visayas	2026	6	14	8	75	153	153	20
Visayas	2026	6	14	9	79	153	153	20
Visayas	2026	6	14	10	86	153	153	20
Visayas	2026	6	14	11	89	153	153	20
Visayas	2026	6	14	12	91	153	153	20
Visayas	2026	6	14	13	90	153	153	20
Visayas	2026	6	14	14	92	153	153	20
Visayas	2026	6	14	15	90	153	153	20
Visayas	2026	6	14	16	90	153	153	20
Visayas	2026	6	14	17	87	153	153	20
Visayas	2026	6	14	18	92	153	153	20
Visayas	2026	6	14	19	107	153	153	20
Visayas	2026	6	14	20	105	153	153	20
Visayas	2026	6	14	21	102	153	153	20
Visayas	2026	6	14	22	98	153	153	20
Visayas	2026	6	14	23	92	153	153	20
Visayas	2026	6	14	24	86	153	153	20
Visayas	2026	6	15	1	77	153	153	20
Visayas	2026	6	15	2	74	153	153	20
Visayas	2026	6	15	3	71	153	153	20
Visayas	2026	6	15	4	69	153	153	20
Visayas	2026	6	15	5	70	153	153	20
Visayas	2026	6	15	6	72	153	153	20
Visayas	2026	6	15	7	77	153	153	20
Visayas	2026	6	15	8	91	153	153	20
Visayas	2026	6	15	9	109	153	153	20
Visayas	2026	6	15	10	120	153	153	20
Visayas	2026	6	15	11	117	153	153	20
Visayas	2026	6	15	12	118	153	153	20
Visayas	2026	6	15	13	119	153	153	20
Visayas	2026	6	15	14	125	153	153	20
Visayas	2026	6	15	15	125	153	153	20
Visayas	2026	6	15	16	120	153	153	20
Visayas	2026	6	15	17	113	153	153	20
Visayas	2026	6	15	18	108	153	153	20
Visayas	2026	6	15	19	115	153	153	20
Visayas	2026	6	15	20	112	153	153	20
Visayas	2026	6	15	21	106	153	153	20
Visayas	2026	6	15	22	100	153	153	20
Visayas	2026	6	15	23	93	153	153	20
Visayas	2026	6	15	24	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	16	1	83	153	153	20
Visayas	2026	6	16	2	78	153	153	20
Visayas	2026	6	16	3	76	153	153	20
Visayas	2026	6	16	4	72	153	153	20
Visayas	2026	6	16	5	72	153	153	20
Visayas	2026	6	16	6	76	153	153	20
Visayas	2026	6	16	7	75	153	153	20
Visayas	2026	6	16	8	90	153	153	20
Visayas	2026	6	16	9	107	153	153	20
Visayas	2026	6	16	10	115	153	153	20
Visayas	2026	6	16	11	121	153	153	20
Visayas	2026	6	16	12	118	153	153	20
Visayas	2026	6	16	13	116	153	153	20
Visayas	2026	6	16	14	121	153	153	20
Visayas	2026	6	16	15	120	153	153	20
Visayas	2026	6	16	16	116	153	153	20
Visayas	2026	6	16	17	110	153	153	20
Visayas	2026	6	16	18	106	153	153	20
Visayas	2026	6	16	19	111	153	153	20
Visayas	2026	6	16	20	108	153	153	20
Visayas	2026	6	16	21	104	153	153	20
Visayas	2026	6	16	22	97	153	153	20
Visayas	2026	6	16	23	91	153	153	20
Visayas	2026	6	16	24	84	153	153	20
Visayas	2026	6	17	1	80	153	153	20
Visayas	2026	6	17	2	76	153	153	20
Visayas	2026	6	17	3	75	153	153	20
Visayas	2026	6	17	4	71	153	153	20
Visayas	2026	6	17	5	72	153	153	20
Visayas	2026	6	17	6	74	153	153	20
Visayas	2026	6	17	7	78	153	153	20
Visayas	2026	6	17	8	91	153	153	20
Visayas	2026	6	17	9	108	153	153	20
Visayas	2026	6	17	10	119	153	153	20
Visayas	2026	6	17	11	120	153	153	20
Visayas	2026	6	17	12	120	153	153	20
Visayas	2026	6	17	13	121	153	153	20
Visayas	2026	6	17	14	127	153	153	20
Visayas	2026	6	17	15	126	153	153	20
Visayas	2026	6	17	16	122	153	153	20
Visayas	2026	6	17	17	112	153	153	20
Visayas	2026	6	17	18	109	153	153	20
Visayas	2026	6	17	19	115	153	153	20
Visayas	2026	6	17	20	112	153	153	20
Visayas	2026	6	17	21	108	153	153	20
Visayas	2026	6	17	22	101	153	153	20
Visayas	2026	6	17	23	96	153	153	20
Visayas	2026	6	17	24	90	153	153	20
Visayas	2026	6	18	1	85	153	153	20
Visayas	2026	6	18	2	81	153	153	20
Visayas	2026	6	18	3	78	153	153	20
Visayas	2026	6	18	4	75	153	153	20
Visayas	2026	6	18	5	77	153	153	20
Visayas	2026	6	18	6	76	153	153	20
Visayas	2026	6	18	7	77	153	153	20
Visayas	2026	6	18	8	93	153	153	20
Visayas	2026	6	18	9	111	153	153	20
Visayas	2026	6	18	10	121	153	153	20
Visayas	2026	6	18	11	125	153	153	20
Visayas	2026	6	18	12	122	153	153	20
Visayas	2026	6	18	13	123	153	153	20
Visayas	2026	6	18	14	129	153	153	20
Visayas	2026	6	18	15	126	153	153	20
Visayas	2026	6	18	16	123	153	153	20
Visayas	2026	6	18	17	113	153	153	20
Visayas	2026	6	18	18	110	153	153	20
Visayas	2026	6	18	19	116	153	153	20
Visayas	2026	6	18	20	113	153	153	20
Visayas	2026	6	18	21	110	153	153	20
Visayas	2026	6	18	22	103	153	153	20
Visayas	2026	6	18	23	96	153	153	20
Visayas	2026	6	18	24	92	153	153	20
Visayas	2026	6	19	1	86	153	153	20
Visayas	2026	6	19	2	83	153	153	20
Visayas	2026	6	19	3	79	153	153	20
Visayas	2026	6	19	4	77	153	153	20
Visayas	2026	6	19	5	79	153	153	20
Visayas	2026	6	19	6	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	19	7	81	153	153	20
Visayas	2026	6	19	8	94	153	153	20
Visayas	2026	6	19	9	111	153	153	20
Visayas	2026	6	19	10	121	153	153	20
Visayas	2026	6	19	11	126	153	153	20
Visayas	2026	6	19	12	122	153	153	20
Visayas	2026	6	19	13	123	153	153	20
Visayas	2026	6	19	14	127	153	153	20
Visayas	2026	6	19	15	126	153	153	20
Visayas	2026	6	19	16	121	153	153	20
Visayas	2026	6	19	17	113	153	153	20
Visayas	2026	6	19	18	108	153	153	20
Visayas	2026	6	19	19	115	153	153	20
Visayas	2026	6	19	20	112	153	153	20
Visayas	2026	6	19	21	110	153	153	20
Visayas	2026	6	19	22	104	153	153	20
Visayas	2026	6	19	23	96	153	153	20
Visayas	2026	6	19	24	89	153	153	20
Visayas	2026	6	20	1	85	153	153	20
Visayas	2026	6	20	2	82	153	153	20
Visayas	2026	6	20	3	77	153	153	20
Visayas	2026	6	20	4	76	153	153	20
Visayas	2026	6	20	5	77	153	153	20
Visayas	2026	6	20	6	74	153	153	20
Visayas	2026	6	20	7	75	153	153	20
Visayas	2026	6	20	8	85	153	153	20
Visayas	2026	6	20	9	95	153	153	20
Visayas	2026	6	20	10	103	153	153	20
Visayas	2026	6	20	11	107	153	153	20
Visayas	2026	6	20	12	106	153	153	20
Visayas	2026	6	20	13	108	153	153	20
Visayas	2026	6	20	14	112	153	153	20
Visayas	2026	6	20	15	112	153	153	20
Visayas	2026	6	20	16	107	153	153	20
Visayas	2026	6	20	17	98	153	153	20
Visayas	2026	6	20	18	104	153	153	20
Visayas	2026	6	20	19	114	153	153	20
Visayas	2026	6	20	20	110	153	153	20
Visayas	2026	6	20	21	108	153	153	20
Visayas	2026	6	20	22	103	153	153	20
Visayas	2026	6	20	23	97	153	153	20
Visayas	2026	6	20	24	89	153	153	20
Visayas	2026	6	21	1	84	153	153	20
Visayas	2026	6	21	2	82	153	153	20
Visayas	2026	6	21	3	78	153	153	20
Visayas	2026	6	21	4	75	153	153	20
Visayas	2026	6	21	5	74	153	153	20
Visayas	2026	6	21	6	72	153	153	20
Visayas	2026	6	21	7	67	153	153	20
Visayas	2026	6	21	8	75	153	153	20
Visayas	2026	6	21	9	79	153	153	20
Visayas	2026	6	21	10	86	153	153	20
Visayas	2026	6	21	11	89	153	153	20
Visayas	2026	6	21	12	91	153	153	20
Visayas	2026	6	21	13	90	153	153	20
Visayas	2026	6	21	14	92	153	153	20
Visayas	2026	6	21	15	90	153	153	20
Visayas	2026	6	21	16	90	153	153	20
Visayas	2026	6	21	17	87	153	153	20
Visayas	2026	6	21	18	92	153	153	20
Visayas	2026	6	21	19	107	153	153	20
Visayas	2026	6	21	20	105	153	153	20
Visayas	2026	6	21	21	102	153	153	20
Visayas	2026	6	21	22	98	153	153	20
Visayas	2026	6	21	23	92	153	153	20
Visayas	2026	6	21	24	86	153	153	20
Visayas	2026	6	22	1	82	153	153	20
Visayas	2026	6	22	2	78	153	153	20
Visayas	2026	6	22	3	75	153	153	20
Visayas	2026	6	22	4	72	153	153	20
Visayas	2026	6	22	5	73	153	153	20
Visayas	2026	6	22	6	75	153	153	20
Visayas	2026	6	22	7	78	153	153	20
Visayas	2026	6	22	8	90	153	153	20
Visayas	2026	6	22	9	108	153	153	20
Visayas	2026	6	22	10	118	153	153	20
Visayas	2026	6	22	11	124	153	153	20
Visayas	2026	6	22	12	121	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	22	13	120	153	153	20
Visayas	2026	6	22	14	126	153	153	20
Visayas	2026	6	22	15	128	153	153	20
Visayas	2026	6	22	16	122	153	153	20
Visayas	2026	6	22	17	115	153	153	20
Visayas	2026	6	22	18	109	153	153	20
Visayas	2026	6	22	19	118	153	153	20
Visayas	2026	6	22	20	114	153	153	20
Visayas	2026	6	22	21	110	153	153	20
Visayas	2026	6	22	22	103	153	153	20
Visayas	2026	6	22	23	95	153	153	20
Visayas	2026	6	22	24	89	153	153	20
Visayas	2026	6	23	1	84	153	153	20
Visayas	2026	6	23	2	81	153	153	20
Visayas	2026	6	23	3	77	153	153	20
Visayas	2026	6	23	4	75	153	153	20
Visayas	2026	6	23	5	76	153	153	20
Visayas	2026	6	23	6	77	153	153	20
Visayas	2026	6	23	7	78	153	153	20
Visayas	2026	6	23	8	89	153	153	20
Visayas	2026	6	23	9	103	153	153	20
Visayas	2026	6	23	10	110	153	153	20
Visayas	2026	6	23	11	113	153	153	20
Visayas	2026	6	23	12	109	153	153	20
Visayas	2026	6	23	13	107	153	153	20
Visayas	2026	6	23	14	115	153	153	20
Visayas	2026	6	23	15	112	153	153	20
Visayas	2026	6	23	16	110	153	153	20
Visayas	2026	6	23	17	103	153	153	20
Visayas	2026	6	23	18	103	153	153	20
Visayas	2026	6	23	19	108	153	153	20
Visayas	2026	6	23	20	102	153	153	20
Visayas	2026	6	23	21	100	153	153	20
Visayas	2026	6	23	22	92	153	153	20
Visayas	2026	6	23	23	87	153	153	20
Visayas	2026	6	23	24	81	153	153	20
Visayas	2026	6	24	1	77	153	153	20
Visayas	2026	6	24	2	74	153	153	20
Visayas	2026	6	24	3	71	153	153	20
Visayas	2026	6	24	4	69	153	153	20
Visayas	2026	6	24	5	71	153	153	20
Visayas	2026	6	24	6	73	153	153	20
Visayas	2026	6	24	7	75	153	153	20
Visayas	2026	6	24	8	87	153	153	20
Visayas	2026	6	24	9	101	153	153	20
Visayas	2026	6	24	10	109	153	153	20
Visayas	2026	6	24	11	104	153	153	20
Visayas	2026	6	24	12	101	153	153	20
Visayas	2026	6	24	13	100	153	153	20
Visayas	2026	6	24	14	105	153	153	20
Visayas	2026	6	24	15	105	153	153	20
Visayas	2026	6	24	16	104	153	153	20
Visayas	2026	6	24	17	100	153	153	20
Visayas	2026	6	24	18	99	153	153	20
Visayas	2026	6	24	19	103	153	153	20
Visayas	2026	6	24	20	96	153	153	20
Visayas	2026	6	24	21	94	153	153	20
Visayas	2026	6	24	22	87	153	153	20
Visayas	2026	6	24	23	81	153	153	20
Visayas	2026	6	24	24	75	153	153	20
Visayas	2026	6	25	1	72	153	153	20
Visayas	2026	6	25	2	69	153	153	20
Visayas	2026	6	25	3	68	153	153	20
Visayas	2026	6	25	4	66	153	153	20
Visayas	2026	6	25	5	67	153	153	20
Visayas	2026	6	25	6	70	153	153	20
Visayas	2026	6	25	7	74	153	153	20
Visayas	2026	6	25	8	86	153	153	20
Visayas	2026	6	25	9	102	153	153	20
Visayas	2026	6	25	10	111	153	153	20
Visayas	2026	6	25	11	117	153	153	20
Visayas	2026	6	25	12	112	153	153	20
Visayas	2026	6	25	13	114	153	153	20
Visayas	2026	6	25	14	122	153	153	20
Visayas	2026	6	25	15	120	153	153	20
Visayas	2026	6	25	16	119	153	153	20
Visayas	2026	6	25	17	109	153	153	20
Visayas	2026	6	25	18	106	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	25	19	113	153	153	20
Visayas	2026	6	25	20	109	153	153	20
Visayas	2026	6	25	21	106	153	153	20
Visayas	2026	6	25	22	98	153	153	20
Visayas	2026	6	25	23	91	153	153	20
Visayas	2026	6	25	24	86	153	153	20
Visayas	2026	6	26	1	82	153	153	20
Visayas	2026	6	26	2	78	153	153	20
Visayas	2026	6	26	3	75	153	153	20
Visayas	2026	6	26	4	73	153	153	20
Visayas	2026	6	26	5	74	153	153	20
Visayas	2026	6	26	6	76	153	153	20
Visayas	2026	6	26	7	78	153	153	20
Visayas	2026	6	26	8	91	153	153	20
Visayas	2026	6	26	9	109	153	153	20
Visayas	2026	6	26	10	114	153	153	20
Visayas	2026	6	26	11	120	153	153	20
Visayas	2026	6	26	12	118	153	153	20
Visayas	2026	6	26	13	118	153	153	20
Visayas	2026	6	26	14	125	153	153	20
Visayas	2026	6	26	15	124	153	153	20
Visayas	2026	6	26	16	121	153	153	20
Visayas	2026	6	26	17	111	153	153	20
Visayas	2026	6	26	18	107	153	153	20
Visayas	2026	6	26	19	114	153	153	20
Visayas	2026	6	26	20	111	153	153	20
Visayas	2026	6	26	21	107	153	153	20
Visayas	2026	6	26	22	101	153	153	20
Visayas	2026	6	26	23	95	153	153	20
Visayas	2026	6	26	24	89	153	153	20
Visayas	2026	6	27	1	85	153	153	20
Visayas	2026	6	27	2	81	153	153	20
Visayas	2026	6	27	3	79	153	153	20
Visayas	2026	6	27	4	76	153	153	20
Visayas	2026	6	27	5	75	153	153	20
Visayas	2026	6	27	6	74	153	153	20
Visayas	2026	6	27	7	76	153	153	20
Visayas	2026	6	27	8	85	153	153	20
Visayas	2026	6	27	9	95	153	153	20
Visayas	2026	6	27	10	102	153	153	20
Visayas	2026	6	27	11	107	153	153	20
Visayas	2026	6	27	12	106	153	153	20
Visayas	2026	6	27	13	107	153	153	20
Visayas	2026	6	27	14	111	153	153	20
Visayas	2026	6	27	15	108	153	153	20
Visayas	2026	6	27	16	102	153	153	20
Visayas	2026	6	27	17	99	153	153	20
Visayas	2026	6	27	18	101	153	153	20
Visayas	2026	6	27	19	109	153	153	20
Visayas	2026	6	27	20	105	153	153	20
Visayas	2026	6	27	21	101	153	153	20
Visayas	2026	6	27	22	96	153	153	20
Visayas	2026	6	27	23	90	153	153	20
Visayas	2026	6	27	24	85	153	153	20
Visayas	2026	6	28	1	81	153	153	20
Visayas	2026	6	28	2	75	153	153	20
Visayas	2026	6	28	3	74	153	153	20
Visayas	2026	6	28	4	72	153	153	20
Visayas	2026	6	28	5	71	153	153	20
Visayas	2026	6	28	6	69	153	153	20
Visayas	2026	6	28	7	70	153	153	20
Visayas	2026	6	28	8	74	153	153	20
Visayas	2026	6	28	9	79	153	153	20
Visayas	2026	6	28	10	86	153	153	20
Visayas	2026	6	28	11	91	153	153	20
Visayas	2026	6	28	12	92	153	153	20
Visayas	2026	6	28	13	92	153	153	20
Visayas	2026	6	28	14	93	153	153	20
Visayas	2026	6	28	15	90	153	153	20
Visayas	2026	6	28	16	87	153	153	20
Visayas	2026	6	28	17	89	153	153	20
Visayas	2026	6	28	18	95	153	153	20
Visayas	2026	6	28	19	100	153	153	20
Visayas	2026	6	28	20	97	153	153	20
Visayas	2026	6	28	21	95	153	153	20
Visayas	2026	6	28	22	90	153	153	20
Visayas	2026	6	28	23	84	153	153	20
Visayas	2026	6	28	24	79	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	6	29	1	73	153	153	20
Visayas	2026	6	29	2	70	153	153	20
Visayas	2026	6	29	3	69	153	153	20
Visayas	2026	6	29	4	67	153	153	20
Visayas	2026	6	29	5	68	153	153	20
Visayas	2026	6	29	6	71	153	153	20
Visayas	2026	6	29	7	73	153	153	20
Visayas	2026	6	29	8	88	153	153	20
Visayas	2026	6	29	9	102	153	153	20
Visayas	2026	6	29	10	112	153	153	20
Visayas	2026	6	29	11	117	153	153	20
Visayas	2026	6	29	12	115	153	153	20
Visayas	2026	6	29	13	113	153	153	20
Visayas	2026	6	29	14	120	153	153	20
Visayas	2026	6	29	15	115	153	153	20
Visayas	2026	6	29	16	115	153	153	20
Visayas	2026	6	29	17	109	153	153	20
Visayas	2026	6	29	18	106	153	153	20
Visayas	2026	6	29	19	110	153	153	20
Visayas	2026	6	29	20	105	153	153	20
Visayas	2026	6	29	21	100	153	153	20
Visayas	2026	6	29	22	94	153	153	20
Visayas	2026	6	29	23	87	153	153	20
Visayas	2026	6	29	24	89	153	153	20
Visayas	2026	6	30	1	85	153	153	20
Visayas	2026	6	30	2	81	153	153	20
Visayas	2026	6	30	3	78	153	153	20
Visayas	2026	6	30	4	76	153	153	20
Visayas	2026	6	30	5	76	153	153	20
Visayas	2026	6	30	6	77	153	153	20
Visayas	2026	6	30	7	77	153	153	20
Visayas	2026	6	30	8	89	153	153	20
Visayas	2026	6	30	9	105	153	153	20
Visayas	2026	6	30	10	114	153	153	20
Visayas	2026	6	30	11	119	153	153	20
Visayas	2026	6	30	12	115	153	153	20
Visayas	2026	6	30	13	118	153	153	20
Visayas	2026	6	30	14	123	153	153	20
Visayas	2026	6	30	15	121	153	153	20
Visayas	2026	6	30	16	119	153	153	20
Visayas	2026	6	30	17	109	153	153	20
Visayas	2026	6	30	18	105	153	153	20
Visayas	2026	6	30	19	114	153	153	20
Visayas	2026	6	30	20	111	153	153	20
Visayas	2026	6	30	21	108	153	153	20
Visayas	2026	6	30	22	103	153	153	20
Visayas	2026	6	30	23	96	153	153	20
Visayas	2026	6	30	24	90	153	153	20
Visayas	2026	7	1	1	86	153	153	20
Visayas	2026	7	1	2	82	153	153	20
Visayas	2026	7	1	3	79	153	153	20
Visayas	2026	7	1	4	77	153	153	20
Visayas	2026	7	1	5	77	153	153	20
Visayas	2026	7	1	6	77	153	153	20
Visayas	2026	7	1	7	79	153	153	20
Visayas	2026	7	1	8	91	153	153	20
Visayas	2026	7	1	9	107	153	153	20
Visayas	2026	7	1	10	115	153	153	20
Visayas	2026	7	1	11	121	153	153	20
Visayas	2026	7	1	12	118	153	153	20
Visayas	2026	7	1	13	119	153	153	20
Visayas	2026	7	1	14	123	153	153	20
Visayas	2026	7	1	15	122	153	153	20
Visayas	2026	7	1	16	118	153	153	20
Visayas	2026	7	1	17	109	153	153	20
Visayas	2026	7	1	18	105	153	153	20
Visayas	2026	7	1	19	111	153	153	20
Visayas	2026	7	1	20	111	153	153	20
Visayas	2026	7	1	21	108	153	153	20
Visayas	2026	7	1	22	102	153	153	20
Visayas	2026	7	1	23	96	153	153	20
Visayas	2026	7	1	24	89	153	153	20
Visayas	2026	7	2	1	85	153	153	20
Visayas	2026	7	2	2	82	153	153	20
Visayas	2026	7	2	3	79	153	153	20
Visayas	2026	7	2	4	77	153	153	20
Visayas	2026	7	2	5	77	153	153	20
Visayas	2026	7	2	6	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	2	7	77	153	153	20
Visayas	2026	7	2	8	90	153	153	20
Visayas	2026	7	2	9	106	153	153	20
Visayas	2026	7	2	10	116	153	153	20
Visayas	2026	7	2	11	121	153	153	20
Visayas	2026	7	2	12	116	153	153	20
Visayas	2026	7	2	13	116	153	153	20
Visayas	2026	7	2	14	119	153	153	20
Visayas	2026	7	2	15	117	153	153	20
Visayas	2026	7	2	16	113	153	153	20
Visayas	2026	7	2	17	105	153	153	20
Visayas	2026	7	2	18	104	153	153	20
Visayas	2026	7	2	19	112	153	153	20
Visayas	2026	7	2	20	108	153	153	20
Visayas	2026	7	2	21	106	153	153	20
Visayas	2026	7	2	22	99	153	153	20
Visayas	2026	7	2	23	93	153	153	20
Visayas	2026	7	2	24	87	153	153	20
Visayas	2026	7	3	1	81	153	153	20
Visayas	2026	7	3	2	76	153	153	20
Visayas	2026	7	3	3	74	153	153	20
Visayas	2026	7	3	4	73	153	153	20
Visayas	2026	7	3	5	72	153	153	20
Visayas	2026	7	3	6	75	153	153	20
Visayas	2026	7	3	7	77	153	153	20
Visayas	2026	7	3	8	89	153	153	20
Visayas	2026	7	3	9	103	153	153	20
Visayas	2026	7	3	10	112	153	153	20
Visayas	2026	7	3	11	117	153	153	20
Visayas	2026	7	3	12	114	153	153	20
Visayas	2026	7	3	13	118	153	153	20
Visayas	2026	7	3	14	122	153	153	20
Visayas	2026	7	3	15	123	153	153	20
Visayas	2026	7	3	16	117	153	153	20
Visayas	2026	7	3	17	108	153	153	20
Visayas	2026	7	3	18	107	153	153	20
Visayas	2026	7	3	19	112	153	153	20
Visayas	2026	7	3	20	108	153	153	20
Visayas	2026	7	3	21	104	153	153	20
Visayas	2026	7	3	22	97	153	153	20
Visayas	2026	7	3	23	90	153	153	20
Visayas	2026	7	3	24	87	153	153	20
Visayas	2026	7	4	1	81	153	153	20
Visayas	2026	7	4	2	77	153	153	20
Visayas	2026	7	4	3	74	153	153	20
Visayas	2026	7	4	4	72	153	153	20
Visayas	2026	7	4	5	72	153	153	20
Visayas	2026	7	4	6	72	153	153	20
Visayas	2026	7	4	7	72	153	153	20
Visayas	2026	7	4	8	80	153	153	20
Visayas	2026	7	4	9	90	153	153	20
Visayas	2026	7	4	10	98	153	153	20
Visayas	2026	7	4	11	102	153	153	20
Visayas	2026	7	4	12	100	153	153	20
Visayas	2026	7	4	13	104	153	153	20
Visayas	2026	7	4	14	103	153	153	20
Visayas	2026	7	4	15	101	153	153	20
Visayas	2026	7	4	16	98	153	153	20
Visayas	2026	7	4	17	93	153	153	20
Visayas	2026	7	4	18	98	153	153	20
Visayas	2026	7	4	19	109	153	153	20
Visayas	2026	7	4	20	106	153	153	20
Visayas	2026	7	4	21	104	153	153	20
Visayas	2026	7	4	22	98	153	153	20
Visayas	2026	7	4	23	91	153	153	20
Visayas	2026	7	4	24	88	153	153	20
Visayas	2026	7	5	1	83	153	153	20
Visayas	2026	7	5	2	79	153	153	20
Visayas	2026	7	5	3	75	153	153	20
Visayas	2026	7	5	4	72	153	153	20
Visayas	2026	7	5	5	72	153	153	20
Visayas	2026	7	5	6	70	153	153	20
Visayas	2026	7	5	7	68	153	153	20
Visayas	2026	7	5	8	73	153	153	20
Visayas	2026	7	5	9	79	153	153	20
Visayas	2026	7	5	10	85	153	153	20
Visayas	2026	7	5	11	90	153	153	20
Visayas	2026	7	5	12	90	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	5	13	92	153	153	20
Visayas	2026	7	5	14	93	153	153	20
Visayas	2026	7	5	15	92	153	153	20
Visayas	2026	7	5	16	89	153	153	20
Visayas	2026	7	5	17	87	153	153	20
Visayas	2026	7	5	18	97	153	153	20
Visayas	2026	7	5	19	104	153	153	20
Visayas	2026	7	5	20	101	153	153	20
Visayas	2026	7	5	21	99	153	153	20
Visayas	2026	7	5	22	94	153	153	20
Visayas	2026	7	5	23	88	153	153	20
Visayas	2026	7	5	24	83	153	153	20
Visayas	2026	7	6	1	78	153	153	20
Visayas	2026	7	6	2	76	153	153	20
Visayas	2026	7	6	3	72	153	153	20
Visayas	2026	7	6	4	71	153	153	20
Visayas	2026	7	6	5	70	153	153	20
Visayas	2026	7	6	6	72	153	153	20
Visayas	2026	7	6	7	78	153	153	20
Visayas	2026	7	6	8	90	153	153	20
Visayas	2026	7	6	9	105	153	153	20
Visayas	2026	7	6	10	116	153	153	20
Visayas	2026	7	6	11	119	153	153	20
Visayas	2026	7	6	12	115	153	153	20
Visayas	2026	7	6	13	111	153	153	20
Visayas	2026	7	6	14	117	153	153	20
Visayas	2026	7	6	15	116	153	153	20
Visayas	2026	7	6	16	112	153	153	20
Visayas	2026	7	6	17	105	153	153	20
Visayas	2026	7	6	18	101	153	153	20
Visayas	2026	7	6	19	111	153	153	20
Visayas	2026	7	6	20	106	153	153	20
Visayas	2026	7	6	21	102	153	153	20
Visayas	2026	7	6	22	97	153	153	20
Visayas	2026	7	6	23	90	153	153	20
Visayas	2026	7	6	24	85	153	153	20
Visayas	2026	7	7	1	80	153	153	20
Visayas	2026	7	7	2	77	153	153	20
Visayas	2026	7	7	3	73	153	153	20
Visayas	2026	7	7	4	71	153	153	20
Visayas	2026	7	7	5	74	153	153	20
Visayas	2026	7	7	6	76	153	153	20
Visayas	2026	7	7	7	77	153	153	20
Visayas	2026	7	7	8	91	153	153	20
Visayas	2026	7	7	9	105	153	153	20
Visayas	2026	7	7	10	112	153	153	20
Visayas	2026	7	7	11	118	153	153	20
Visayas	2026	7	7	12	112	153	153	20
Visayas	2026	7	7	13	108	153	153	20
Visayas	2026	7	7	14	115	153	153	20
Visayas	2026	7	7	15	115	153	153	20
Visayas	2026	7	7	16	114	153	153	20
Visayas	2026	7	7	17	108	153	153	20
Visayas	2026	7	7	18	105	153	153	20
Visayas	2026	7	7	19	107	153	153	20
Visayas	2026	7	7	20	101	153	153	20
Visayas	2026	7	7	21	97	153	153	20
Visayas	2026	7	7	22	90	153	153	20
Visayas	2026	7	7	23	84	153	153	20
Visayas	2026	7	7	24	78	153	153	20
Visayas	2026	7	8	1	75	153	153	20
Visayas	2026	7	8	2	73	153	153	20
Visayas	2026	7	8	3	70	153	153	20
Visayas	2026	7	8	4	68	153	153	20
Visayas	2026	7	8	5	70	153	153	20
Visayas	2026	7	8	6	72	153	153	20
Visayas	2026	7	8	7	57	153	153	20
Visayas	2026	7	8	8	70	153	153	20
Visayas	2026	7	8	9	83	153	153	20
Visayas	2026	7	8	10	99	153	153	20
Visayas	2026	7	8	11	104	153	153	20
Visayas	2026	7	8	12	103	153	153	20
Visayas	2026	7	8	13	88	153	153	20
Visayas	2026	7	8	14	96	153	153	20
Visayas	2026	7	8	15	100	153	153	20
Visayas	2026	7	8	16	98	153	153	20
Visayas	2026	7	8	17	94	153	153	20
Visayas	2026	7	8	18	92	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	8	19	96	153	153	20
Visayas	2026	7	8	20	96	153	153	20
Visayas	2026	7	8	21	94	153	153	20
Visayas	2026	7	8	22	88	153	153	20
Visayas	2026	7	8	23	81	153	153	20
Visayas	2026	7	8	24	76	153	153	20
Visayas	2026	7	9	1	73	153	153	20
Visayas	2026	7	9	2	70	153	153	20
Visayas	2026	7	9	3	68	153	153	20
Visayas	2026	7	9	4	67	153	153	20
Visayas	2026	7	9	5	68	153	153	20
Visayas	2026	7	9	6	71	153	153	20
Visayas	2026	7	9	7	73	153	153	20
Visayas	2026	7	9	8	86	153	153	20
Visayas	2026	7	9	9	104	153	153	20
Visayas	2026	7	9	10	112	153	153	20
Visayas	2026	7	9	11	114	153	153	20
Visayas	2026	7	9	12	111	153	153	20
Visayas	2026	7	9	13	111	153	153	20
Visayas	2026	7	9	14	116	153	153	20
Visayas	2026	7	9	15	115	153	153	20
Visayas	2026	7	9	16	111	153	153	20
Visayas	2026	7	9	17	104	153	153	20
Visayas	2026	7	9	18	101	153	153	20
Visayas	2026	7	9	19	107	153	153	20
Visayas	2026	7	9	20	103	153	153	20
Visayas	2026	7	9	21	98	153	153	20
Visayas	2026	7	9	22	90	153	153	20
Visayas	2026	7	9	23	86	153	153	20
Visayas	2026	7	9	24	79	153	153	20
Visayas	2026	7	10	1	76	153	153	20
Visayas	2026	7	10	2	75	153	153	20
Visayas	2026	7	10	3	70	153	153	20
Visayas	2026	7	10	4	68	153	153	20
Visayas	2026	7	10	5	69	153	153	20
Visayas	2026	7	10	6	71	153	153	20
Visayas	2026	7	10	7	73	153	153	20
Visayas	2026	7	10	8	86	153	153	20
Visayas	2026	7	10	9	101	153	153	20
Visayas	2026	7	10	10	107	153	153	20
Visayas	2026	7	10	11	109	153	153	20
Visayas	2026	7	10	12	106	153	153	20
Visayas	2026	7	10	13	106	153	153	20
Visayas	2026	7	10	14	109	153	153	20
Visayas	2026	7	10	15	106	153	153	20
Visayas	2026	7	10	16	104	153	153	20
Visayas	2026	7	10	17	98	153	153	20
Visayas	2026	7	10	18	100	153	153	20
Visayas	2026	7	10	19	103	153	153	20
Visayas	2026	7	10	20	101	153	153	20
Visayas	2026	7	10	21	94	153	153	20
Visayas	2026	7	10	22	87	153	153	20
Visayas	2026	7	10	23	81	153	153	20
Visayas	2026	7	10	24	77	153	153	20
Visayas	2026	7	11	1	73	153	153	20
Visayas	2026	7	11	2	70	153	153	20
Visayas	2026	7	11	3	68	153	153	20
Visayas	2026	7	11	4	67	153	153	20
Visayas	2026	7	11	5	67	153	153	20
Visayas	2026	7	11	6	67	153	153	20
Visayas	2026	7	11	7	65	153	153	20
Visayas	2026	7	11	8	72	153	153	20
Visayas	2026	7	11	9	82	153	153	20
Visayas	2026	7	11	10	89	153	153	20
Visayas	2026	7	11	11	92	153	153	20
Visayas	2026	7	11	12	91	153	153	20
Visayas	2026	7	11	13	93	153	153	20
Visayas	2026	7	11	14	94	153	153	20
Visayas	2026	7	11	15	91	153	153	20
Visayas	2026	7	11	16	90	153	153	20
Visayas	2026	7	11	17	88	153	153	20
Visayas	2026	7	11	18	92	153	153	20
Visayas	2026	7	11	19	99	153	153	20
Visayas	2026	7	11	20	95	153	153	20
Visayas	2026	7	11	21	92	153	153	20
Visayas	2026	7	11	22	87	153	153	20
Visayas	2026	7	11	23	82	153	153	20
Visayas	2026	7	11	24	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	12	1	72	153	153	20
Visayas	2026	7	12	2	70	153	153	20
Visayas	2026	7	12	3	67	153	153	20
Visayas	2026	7	12	4	67	153	153	20
Visayas	2026	7	12	5	65	153	153	20
Visayas	2026	7	12	6	65	153	153	20
Visayas	2026	7	12	7	65	153	153	20
Visayas	2026	7	12	8	68	153	153	20
Visayas	2026	7	12	9	75	153	153	20
Visayas	2026	7	12	10	81	153	153	20
Visayas	2026	7	12	11	83	153	153	20
Visayas	2026	7	12	12	86	153	153	20
Visayas	2026	7	12	13	86	153	153	20
Visayas	2026	7	12	14	86	153	153	20
Visayas	2026	7	12	15	83	153	153	20
Visayas	2026	7	12	16	81	153	153	20
Visayas	2026	7	12	17	83	153	153	20
Visayas	2026	7	12	18	86	153	153	20
Visayas	2026	7	12	19	96	153	153	20
Visayas	2026	7	12	20	93	153	153	20
Visayas	2026	7	12	21	91	153	153	20
Visayas	2026	7	12	22	85	153	153	20
Visayas	2026	7	12	23	79	153	153	20
Visayas	2026	7	12	24	75	153	153	20
Visayas	2026	7	13	1	69	153	153	20
Visayas	2026	7	13	2	67	153	153	20
Visayas	2026	7	13	3	65	153	153	20
Visayas	2026	7	13	4	64	153	153	20
Visayas	2026	7	13	5	64	153	153	20
Visayas	2026	7	13	6	67	153	153	20
Visayas	2026	7	13	7	70	153	153	20
Visayas	2026	7	13	8	81	153	153	20
Visayas	2026	7	13	9	98	153	153	20
Visayas	2026	7	13	10	106	153	153	20
Visayas	2026	7	13	11	113	153	153	20
Visayas	2026	7	13	12	109	153	153	20
Visayas	2026	7	13	13	109	153	153	20
Visayas	2026	7	13	14	116	153	153	20
Visayas	2026	7	13	15	115	153	153	20
Visayas	2026	7	13	16	111	153	153	20
Visayas	2026	7	13	17	104	153	153	20
Visayas	2026	7	13	18	102	153	153	20
Visayas	2026	7	13	19	108	153	153	20
Visayas	2026	7	13	20	102	153	153	20
Visayas	2026	7	13	21	98	153	153	20
Visayas	2026	7	13	22	91	153	153	20
Visayas	2026	7	13	23	85	153	153	20
Visayas	2026	7	13	24	80	153	153	20
Visayas	2026	7	14	1	76	153	153	20
Visayas	2026	7	14	2	72	153	153	20
Visayas	2026	7	14	3	69	153	153	20
Visayas	2026	7	14	4	68	153	153	20
Visayas	2026	7	14	5	68	153	153	20
Visayas	2026	7	14	6	71	153	153	20
Visayas	2026	7	14	7	73	153	153	20
Visayas	2026	7	14	8	85	153	153	20
Visayas	2026	7	14	9	100	153	153	20
Visayas	2026	7	14	10	108	153	153	20
Visayas	2026	7	14	11	114	153	153	20
Visayas	2026	7	14	12	109	153	153	20
Visayas	2026	7	14	13	111	153	153	20
Visayas	2026	7	14	14	116	153	153	20
Visayas	2026	7	14	15	115	153	153	20
Visayas	2026	7	14	16	113	153	153	20
Visayas	2026	7	14	17	105	153	153	20
Visayas	2026	7	14	18	103	153	153	20
Visayas	2026	7	14	19	110	153	153	20
Visayas	2026	7	14	20	105	153	153	20
Visayas	2026	7	14	21	102	153	153	20
Visayas	2026	7	14	22	94	153	153	20
Visayas	2026	7	14	23	85	153	153	20
Visayas	2026	7	14	24	81	153	153	20
Visayas	2026	7	15	1	79	153	153	20
Visayas	2026	7	15	2	74	153	153	20
Visayas	2026	7	15	3	71	153	153	20
Visayas	2026	7	15	4	69	153	153	20
Visayas	2026	7	15	5	70	153	153	20
Visayas	2026	7	15	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	15	7	74	153	153	20
Visayas	2026	7	15	8	88	153	153	20
Visayas	2026	7	15	9	104	153	153	20
Visayas	2026	7	15	10	113	153	153	20
Visayas	2026	7	15	11	118	153	153	20
Visayas	2026	7	15	12	115	153	153	20
Visayas	2026	7	15	13	115	153	153	20
Visayas	2026	7	15	14	121	153	153	20
Visayas	2026	7	15	15	118	153	153	20
Visayas	2026	7	15	16	114	153	153	20
Visayas	2026	7	15	17	106	153	153	20
Visayas	2026	7	15	18	102	153	153	20
Visayas	2026	7	15	19	108	153	153	20
Visayas	2026	7	15	20	103	153	153	20
Visayas	2026	7	15	21	99	153	153	20
Visayas	2026	7	15	22	92	153	153	20
Visayas	2026	7	15	23	85	153	153	20
Visayas	2026	7	15	24	79	153	153	20
Visayas	2026	7	16	1	67	153	153	20
Visayas	2026	7	16	2	69	153	153	20
Visayas	2026	7	16	3	69	153	153	20
Visayas	2026	7	16	4	67	153	153	20
Visayas	2026	7	16	5	67	153	153	20
Visayas	2026	7	16	6	69	153	153	20
Visayas	2026	7	16	7	71	153	153	20
Visayas	2026	7	16	8	85	153	153	20
Visayas	2026	7	16	9	100	153	153	20
Visayas	2026	7	16	10	112	153	153	20
Visayas	2026	7	16	11	118	153	153	20
Visayas	2026	7	16	12	115	153	153	20
Visayas	2026	7	16	13	115	153	153	20
Visayas	2026	7	16	14	123	153	153	20
Visayas	2026	7	16	15	124	153	153	20
Visayas	2026	7	16	16	119	153	153	20
Visayas	2026	7	16	17	110	153	153	20
Visayas	2026	7	16	18	106	153	153	20
Visayas	2026	7	16	19	113	153	153	20
Visayas	2026	7	16	20	109	153	153	20
Visayas	2026	7	16	21	104	153	153	20
Visayas	2026	7	16	22	98	153	153	20
Visayas	2026	7	16	23	92	153	153	20
Visayas	2026	7	16	24	84	153	153	20
Visayas	2026	7	17	1	80	153	153	20
Visayas	2026	7	17	2	77	153	153	20
Visayas	2026	7	17	3	74	153	153	20
Visayas	2026	7	17	4	71	153	153	20
Visayas	2026	7	17	5	72	153	153	20
Visayas	2026	7	17	6	73	153	153	20
Visayas	2026	7	17	7	77	153	153	20
Visayas	2026	7	17	8	90	153	153	20
Visayas	2026	7	17	9	105	153	153	20
Visayas	2026	7	17	10	115	153	153	20
Visayas	2026	7	17	11	119	153	153	20
Visayas	2026	7	17	12	115	153	153	20
Visayas	2026	7	17	13	116	153	153	20
Visayas	2026	7	17	14	122	153	153	20
Visayas	2026	7	17	15	118	153	153	20
Visayas	2026	7	17	16	117	153	153	20
Visayas	2026	7	17	17	107	153	153	20
Visayas	2026	7	17	18	104	153	153	20
Visayas	2026	7	17	19	112	153	153	20
Visayas	2026	7	17	20	108	153	153	20
Visayas	2026	7	17	21	105	153	153	20
Visayas	2026	7	17	22	98	153	153	20
Visayas	2026	7	17	23	92	153	153	20
Visayas	2026	7	17	24	86	153	153	20
Visayas	2026	7	18	1	82	153	153	20
Visayas	2026	7	18	2	78	153	153	20
Visayas	2026	7	18	3	75	153	153	20
Visayas	2026	7	18	4	72	153	153	20
Visayas	2026	7	18	5	71	153	153	20
Visayas	2026	7	18	6	73	153	153	20
Visayas	2026	7	18	7	74	153	153	20
Visayas	2026	7	18	8	83	153	153	20
Visayas	2026	7	18	9	92	153	153	20
Visayas	2026	7	18	10	99	153	153	20
Visayas	2026	7	18	11	102	153	153	20
Visayas	2026	7	18	12	103	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	18	13	102	153	153	20
Visayas	2026	7	18	14	106	153	153	20
Visayas	2026	7	18	15	105	153	153	20
Visayas	2026	7	18	16	101	153	153	20
Visayas	2026	7	18	17	98	153	153	20
Visayas	2026	7	18	18	98	153	153	20
Visayas	2026	7	18	19	104	153	153	20
Visayas	2026	7	18	20	97	153	153	20
Visayas	2026	7	18	21	97	153	153	20
Visayas	2026	7	18	22	92	153	153	20
Visayas	2026	7	18	23	89	153	153	20
Visayas	2026	7	18	24	82	153	153	20
Visayas	2026	7	19	1	78	153	153	20
Visayas	2026	7	19	2	74	153	153	20
Visayas	2026	7	19	3	71	153	153	20
Visayas	2026	7	19	4	69	153	153	20
Visayas	2026	7	19	5	70	153	153	20
Visayas	2026	7	19	6	67	153	153	20
Visayas	2026	7	19	7	66	153	153	20
Visayas	2026	7	19	8	70	153	153	20
Visayas	2026	7	19	9	75	153	153	20
Visayas	2026	7	19	10	82	153	153	20
Visayas	2026	7	19	11	84	153	153	20
Visayas	2026	7	19	12	85	153	153	20
Visayas	2026	7	19	13	86	153	153	20
Visayas	2026	7	19	14	89	153	153	20
Visayas	2026	7	19	15	87	153	153	20
Visayas	2026	7	19	16	84	153	153	20
Visayas	2026	7	19	17	85	153	153	20
Visayas	2026	7	19	18	90	153	153	20
Visayas	2026	7	19	19	100	153	153	20
Visayas	2026	7	19	20	95	153	153	20
Visayas	2026	7	19	21	92	153	153	20
Visayas	2026	7	19	22	87	153	153	20
Visayas	2026	7	19	23	83	153	153	20
Visayas	2026	7	19	24	76	153	153	20
Visayas	2026	7	20	1	72	153	153	20
Visayas	2026	7	20	2	69	153	153	20
Visayas	2026	7	20	3	67	153	153	20
Visayas	2026	7	20	4	65	153	153	20
Visayas	2026	7	20	5	65	153	153	20
Visayas	2026	7	20	6	69	153	153	20
Visayas	2026	7	20	7	72	153	153	20
Visayas	2026	7	20	8	81	153	153	20
Visayas	2026	7	20	9	95	153	153	20
Visayas	2026	7	20	10	106	153	153	20
Visayas	2026	7	20	11	107	153	153	20
Visayas	2026	7	20	12	106	153	153	20
Visayas	2026	7	20	13	106	153	153	20
Visayas	2026	7	20	14	114	153	153	20
Visayas	2026	7	20	15	112	153	153	20
Visayas	2026	7	20	16	108	153	153	20
Visayas	2026	7	20	17	103	153	153	20
Visayas	2026	7	20	18	100	153	153	20
Visayas	2026	7	20	19	106	153	153	20
Visayas	2026	7	20	20	100	153	153	20
Visayas	2026	7	20	21	96	153	153	20
Visayas	2026	7	20	22	88	153	153	20
Visayas	2026	7	20	23	85	153	153	20
Visayas	2026	7	20	24	79	153	153	20
Visayas	2026	7	21	1	75	153	153	20
Visayas	2026	7	21	2	71	153	153	20
Visayas	2026	7	21	3	68	153	153	20
Visayas	2026	7	21	4	67	153	153	20
Visayas	2026	7	21	5	68	153	153	20
Visayas	2026	7	21	6	72	153	153	20
Visayas	2026	7	21	7	74	153	153	20
Visayas	2026	7	21	8	83	153	153	20
Visayas	2026	7	21	9	100	153	153	20
Visayas	2026	7	21	10	110	153	153	20
Visayas	2026	7	21	11	114	153	153	20
Visayas	2026	7	21	12	111	153	153	20
Visayas	2026	7	21	13	112	153	153	20
Visayas	2026	7	21	14	118	153	153	20
Visayas	2026	7	21	15	118	153	153	20
Visayas	2026	7	21	16	115	153	153	20
Visayas	2026	7	21	17	106	153	153	20
Visayas	2026	7	21	18	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	21	19	111	153	153	20
Visayas	2026	7	21	20	107	153	153	20
Visayas	2026	7	21	21	103	153	153	20
Visayas	2026	7	21	22	96	153	153	20
Visayas	2026	7	21	23	89	153	153	20
Visayas	2026	7	21	24	84	153	153	20
Visayas	2026	7	22	1	80	153	153	20
Visayas	2026	7	22	2	76	153	153	20
Visayas	2026	7	22	3	74	153	153	20
Visayas	2026	7	22	4	71	153	153	20
Visayas	2026	7	22	5	72	153	153	20
Visayas	2026	7	22	6	74	153	153	20
Visayas	2026	7	22	7	78	153	153	20
Visayas	2026	7	22	8	91	153	153	20
Visayas	2026	7	22	9	105	153	153	20
Visayas	2026	7	22	10	114	153	153	20
Visayas	2026	7	22	11	114	153	153	20
Visayas	2026	7	22	12	115	153	153	20
Visayas	2026	7	22	13	116	153	153	20
Visayas	2026	7	22	14	120	153	153	20
Visayas	2026	7	22	15	119	153	153	20
Visayas	2026	7	22	16	116	153	153	20
Visayas	2026	7	22	17	111	153	153	20
Visayas	2026	7	22	18	107	153	153	20
Visayas	2026	7	22	19	116	153	153	20
Visayas	2026	7	22	20	111	153	153	20
Visayas	2026	7	22	21	108	153	153	20
Visayas	2026	7	22	22	101	153	153	20
Visayas	2026	7	22	23	94	153	153	20
Visayas	2026	7	22	24	87	153	153	20
Visayas	2026	7	23	1	83	153	153	20
Visayas	2026	7	23	2	80	153	153	20
Visayas	2026	7	23	3	77	153	153	20
Visayas	2026	7	23	4	74	153	153	20
Visayas	2026	7	23	5	75	153	153	20
Visayas	2026	7	23	6	76	153	153	20
Visayas	2026	7	23	7	79	153	153	20
Visayas	2026	7	23	8	91	153	153	20
Visayas	2026	7	23	9	104	153	153	20
Visayas	2026	7	23	10	111	153	153	20
Visayas	2026	7	23	11	115	153	153	20
Visayas	2026	7	23	12	112	153	153	20
Visayas	2026	7	23	13	113	153	153	20
Visayas	2026	7	23	14	118	153	153	20
Visayas	2026	7	23	15	118	153	153	20
Visayas	2026	7	23	16	117	153	153	20
Visayas	2026	7	23	17	107	153	153	20
Visayas	2026	7	23	18	105	153	153	20
Visayas	2026	7	23	19	111	153	153	20
Visayas	2026	7	23	20	105	153	153	20
Visayas	2026	7	23	21	101	153	153	20
Visayas	2026	7	23	22	94	153	153	20
Visayas	2026	7	23	23	88	153	153	20
Visayas	2026	7	23	24	83	153	153	20
Visayas	2026	7	24	1	78	153	153	20
Visayas	2026	7	24	2	76	153	153	20
Visayas	2026	7	24	3	72	153	153	20
Visayas	2026	7	24	4	71	153	153	20
Visayas	2026	7	24	5	71	153	153	20
Visayas	2026	7	24	6	74	153	153	20
Visayas	2026	7	24	7	76	153	153	20
Visayas	2026	7	24	8	89	153	153	20
Visayas	2026	7	24	9	104	153	153	20
Visayas	2026	7	24	10	114	153	153	20
Visayas	2026	7	24	11	119	153	153	20
Visayas	2026	7	24	12	117	153	153	20
Visayas	2026	7	24	13	116	153	153	20
Visayas	2026	7	24	14	122	153	153	20
Visayas	2026	7	24	15	121	153	153	20
Visayas	2026	7	24	16	118	153	153	20
Visayas	2026	7	24	17	107	153	153	20
Visayas	2026	7	24	18	104	153	153	20
Visayas	2026	7	24	19	112	153	153	20
Visayas	2026	7	24	20	108	153	153	20
Visayas	2026	7	24	21	105	153	153	20
Visayas	2026	7	24	22	99	153	153	20
Visayas	2026	7	24	23	92	153	153	20
Visayas	2026	7	24	24	87	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	25	1	82	153	153	20
Visayas	2026	7	25	2	78	153	153	20
Visayas	2026	7	25	3	75	153	153	20
Visayas	2026	7	25	4	73	153	153	20
Visayas	2026	7	25	5	72	153	153	20
Visayas	2026	7	25	6	73	153	153	20
Visayas	2026	7	25	7	72	153	153	20
Visayas	2026	7	25	8	84	153	153	20
Visayas	2026	7	25	9	94	153	153	20
Visayas	2026	7	25	10	102	153	153	20
Visayas	2026	7	25	11	106	153	153	20
Visayas	2026	7	25	12	104	153	153	20
Visayas	2026	7	25	13	106	153	153	20
Visayas	2026	7	25	14	112	153	153	20
Visayas	2026	7	25	15	108	153	153	20
Visayas	2026	7	25	16	105	153	153	20
Visayas	2026	7	25	17	98	153	153	20
Visayas	2026	7	25	18	101	153	153	20
Visayas	2026	7	25	19	109	153	153	20
Visayas	2026	7	25	20	104	153	153	20
Visayas	2026	7	25	21	99	153	153	20
Visayas	2026	7	25	22	96	153	153	20
Visayas	2026	7	25	23	88	153	153	20
Visayas	2026	7	25	24	84	153	153	20
Visayas	2026	7	26	1	78	153	153	20
Visayas	2026	7	26	2	74	153	153	20
Visayas	2026	7	26	3	71	153	153	20
Visayas	2026	7	26	4	70	153	153	20
Visayas	2026	7	26	5	70	153	153	20
Visayas	2026	7	26	6	68	153	153	20
Visayas	2026	7	26	7	68	153	153	20
Visayas	2026	7	26	8	72	153	153	20
Visayas	2026	7	26	9	79	153	153	20
Visayas	2026	7	26	10	86	153	153	20
Visayas	2026	7	26	11	89	153	153	20
Visayas	2026	7	26	12	90	153	153	20
Visayas	2026	7	26	13	90	153	153	20
Visayas	2026	7	26	14	90	153	153	20
Visayas	2026	7	26	15	86	153	153	20
Visayas	2026	7	26	16	86	153	153	20
Visayas	2026	7	26	17	88	153	153	20
Visayas	2026	7	26	18	94	153	153	20
Visayas	2026	7	26	19	99	153	153	20
Visayas	2026	7	26	20	93	153	153	20
Visayas	2026	7	26	21	93	153	153	20
Visayas	2026	7	26	22	87	153	153	20
Visayas	2026	7	26	23	81	153	153	20
Visayas	2026	7	26	24	76	153	153	20
Visayas	2026	7	27	1	72	153	153	20
Visayas	2026	7	27	2	69	153	153	20
Visayas	2026	7	27	3	67	153	153	20
Visayas	2026	7	27	4	66	153	153	20
Visayas	2026	7	27	5	67	153	153	20
Visayas	2026	7	27	6	69	153	153	20
Visayas	2026	7	27	7	72	153	153	20
Visayas	2026	7	27	8	84	153	153	20
Visayas	2026	7	27	9	101	153	153	20
Visayas	2026	7	27	10	108	153	153	20
Visayas	2026	7	27	11	113	153	153	20
Visayas	2026	7	27	12	112	153	153	20
Visayas	2026	7	27	13	111	153	153	20
Visayas	2026	7	27	14	116	153	153	20
Visayas	2026	7	27	15	114	153	153	20
Visayas	2026	7	27	16	111	153	153	20
Visayas	2026	7	27	17	104	153	153	20
Visayas	2026	7	27	18	102	153	153	20
Visayas	2026	7	27	19	108	153	153	20
Visayas	2026	7	27	20	103	153	153	20
Visayas	2026	7	27	21	99	153	153	20
Visayas	2026	7	27	22	92	153	153	20
Visayas	2026	7	27	23	86	153	153	20
Visayas	2026	7	27	24	81	153	153	20
Visayas	2026	7	28	1	76	153	153	20
Visayas	2026	7	28	2	72	153	153	20
Visayas	2026	7	28	3	70	153	153	20
Visayas	2026	7	28	4	68	153	153	20
Visayas	2026	7	28	5	70	153	153	20
Visayas	2026	7	28	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	28	7	75	153	153	20
Visayas	2026	7	28	8	89	153	153	20
Visayas	2026	7	28	9	108	153	153	20
Visayas	2026	7	28	10	115	153	153	20
Visayas	2026	7	28	11	120	153	153	20
Visayas	2026	7	28	12	117	153	153	20
Visayas	2026	7	28	13	119	153	153	20
Visayas	2026	7	28	14	125	153	153	20
Visayas	2026	7	28	15	122	153	153	20
Visayas	2026	7	28	16	118	153	153	20
Visayas	2026	7	28	17	110	153	153	20
Visayas	2026	7	28	18	108	153	153	20
Visayas	2026	7	28	19	115	153	153	20
Visayas	2026	7	28	20	110	153	153	20
Visayas	2026	7	28	21	104	153	153	20
Visayas	2026	7	28	22	98	153	153	20
Visayas	2026	7	28	23	93	153	153	20
Visayas	2026	7	28	24	86	153	153	20
Visayas	2026	7	29	1	82	153	153	20
Visayas	2026	7	29	2	78	153	153	20
Visayas	2026	7	29	3	76	153	153	20
Visayas	2026	7	29	4	73	153	153	20
Visayas	2026	7	29	5	73	153	153	20
Visayas	2026	7	29	6	75	153	153	20
Visayas	2026	7	29	7	79	153	153	20
Visayas	2026	7	29	8	91	153	153	20
Visayas	2026	7	29	9	107	153	153	20
Visayas	2026	7	29	10	115	153	153	20
Visayas	2026	7	29	11	121	153	153	20
Visayas	2026	7	29	12	120	153	153	20
Visayas	2026	7	29	13	117	153	153	20
Visayas	2026	7	29	14	122	153	153	20
Visayas	2026	7	29	15	123	153	153	20
Visayas	2026	7	29	16	121	153	153	20
Visayas	2026	7	29	17	112	153	153	20
Visayas	2026	7	29	18	109	153	153	20
Visayas	2026	7	29	19	117	153	153	20
Visayas	2026	7	29	20	113	153	153	20
Visayas	2026	7	29	21	110	153	153	20
Visayas	2026	7	29	22	102	153	153	20
Visayas	2026	7	29	23	97	153	153	20
Visayas	2026	7	29	24	90	153	153	20
Visayas	2026	7	30	1	85	153	153	20
Visayas	2026	7	30	2	82	153	153	20
Visayas	2026	7	30	3	78	153	153	20
Visayas	2026	7	30	4	75	153	153	20
Visayas	2026	7	30	5	76	153	153	20
Visayas	2026	7	30	6	78	153	153	20
Visayas	2026	7	30	7	79	153	153	20
Visayas	2026	7	30	8	92	153	153	20
Visayas	2026	7	30	9	110	153	153	20
Visayas	2026	7	30	10	118	153	153	20
Visayas	2026	7	30	11	123	153	153	20
Visayas	2026	7	30	12	121	153	153	20
Visayas	2026	7	30	13	121	153	153	20
Visayas	2026	7	30	14	129	153	153	20
Visayas	2026	7	30	15	127	153	153	20
Visayas	2026	7	30	16	124	153	153	20
Visayas	2026	7	30	17	113	153	153	20
Visayas	2026	7	30	18	110	153	153	20
Visayas	2026	7	30	19	118	153	153	20
Visayas	2026	7	30	20	115	153	153	20
Visayas	2026	7	30	21	110	153	153	20
Visayas	2026	7	30	22	103	153	153	20
Visayas	2026	7	30	23	97	153	153	20
Visayas	2026	7	30	24	91	153	153	20
Visayas	2026	7	31	1	86	153	153	20
Visayas	2026	7	31	2	82	153	153	20
Visayas	2026	7	31	3	81	153	153	20
Visayas	2026	7	31	4	74	153	153	20
Visayas	2026	7	31	5	77	153	153	20
Visayas	2026	7	31	6	79	153	153	20
Visayas	2026	7	31	7	79	153	153	20
Visayas	2026	7	31	8	90	153	153	20
Visayas	2026	7	31	9	107	153	153	20
Visayas	2026	7	31	10	115	153	153	20
Visayas	2026	7	31	11	122	153	153	20
Visayas	2026	7	31	12	118	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	7	31	13	118	153	153	20
Visayas	2026	7	31	14	123	153	153	20
Visayas	2026	7	31	15	122	153	153	20
Visayas	2026	7	31	16	117	153	153	20
Visayas	2026	7	31	17	109	153	153	20
Visayas	2026	7	31	18	108	153	153	20
Visayas	2026	7	31	19	112	153	153	20
Visayas	2026	7	31	20	108	153	153	20
Visayas	2026	7	31	21	106	153	153	20
Visayas	2026	7	31	22	98	153	153	20
Visayas	2026	7	31	23	92	153	153	20
Visayas	2026	7	31	24	87	153	153	20
Visayas	2026	8	1	1	82	153	153	20
Visayas	2026	8	1	2	79	153	153	20
Visayas	2026	8	1	3	76	153	153	20
Visayas	2026	8	1	4	73	153	153	20
Visayas	2026	8	1	5	72	153	153	20
Visayas	2026	8	1	6	73	153	153	20
Visayas	2026	8	1	7	74	153	153	20
Visayas	2026	8	1	8	81	153	153	20
Visayas	2026	8	1	9	93	153	153	20
Visayas	2026	8	1	10	97	153	153	20
Visayas	2026	8	1	11	101	153	153	20
Visayas	2026	8	1	12	99	153	153	20
Visayas	2026	8	1	13	100	153	153	20
Visayas	2026	8	1	14	103	153	153	20
Visayas	2026	8	1	15	104	153	153	20
Visayas	2026	8	1	16	102	153	153	20
Visayas	2026	8	1	17	97	153	153	20
Visayas	2026	8	1	18	99	153	153	20
Visayas	2026	8	1	19	108	153	153	20
Visayas	2026	8	1	20	102	153	153	20
Visayas	2026	8	1	21	98	153	153	20
Visayas	2026	8	1	22	94	153	153	20
Visayas	2026	8	1	23	88	153	153	20
Visayas	2026	8	1	24	84	153	153	20
Visayas	2026	8	2	1	79	153	153	20
Visayas	2026	8	2	2	75	153	153	20
Visayas	2026	8	2	3	73	153	153	20
Visayas	2026	8	2	4	71	153	153	20
Visayas	2026	8	2	5	70	153	153	20
Visayas	2026	8	2	6	70	153	153	20
Visayas	2026	8	2	7	69	153	153	20
Visayas	2026	8	2	8	71	153	153	20
Visayas	2026	8	2	9	76	153	153	20
Visayas	2026	8	2	10	83	153	153	20
Visayas	2026	8	2	11	86	153	153	20
Visayas	2026	8	2	12	87	153	153	20
Visayas	2026	8	2	13	87	153	153	20
Visayas	2026	8	2	14	89	153	153	20
Visayas	2026	8	2	15	86	153	153	20
Visayas	2026	8	2	16	85	153	153	20
Visayas	2026	8	2	17	85	153	153	20
Visayas	2026	8	2	18	93	153	153	20
Visayas	2026	8	2	19	102	153	153	20
Visayas	2026	8	2	20	98	153	153	20
Visayas	2026	8	2	21	95	153	153	20
Visayas	2026	8	2	22	90	153	153	20
Visayas	2026	8	2	23	83	153	153	20
Visayas	2026	8	2	24	79	153	153	20
Visayas	2026	8	3	1	74	153	153	20
Visayas	2026	8	3	2	70	153	153	20
Visayas	2026	8	3	3	66	153	153	20
Visayas	2026	8	3	4	64	153	153	20
Visayas	2026	8	3	5	65	153	153	20
Visayas	2026	8	3	6	69	153	153	20
Visayas	2026	8	3	7	69	153	153	20
Visayas	2026	8	3	8	82	153	153	20
Visayas	2026	8	3	9	102	153	153	20
Visayas	2026	8	3	10	109	153	153	20
Visayas	2026	8	3	11	117	153	153	20
Visayas	2026	8	3	12	114	153	153	20
Visayas	2026	8	3	13	116	153	153	20
Visayas	2026	8	3	14	119	153	153	20
Visayas	2026	8	3	15	118	153	153	20
Visayas	2026	8	3	16	115	153	153	20
Visayas	2026	8	3	17	106	153	153	20
Visayas	2026	8	3	18	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	3	19	109	153	153	20
Visayas	2026	8	3	20	105	153	153	20
Visayas	2026	8	3	21	100	153	153	20
Visayas	2026	8	3	22	93	153	153	20
Visayas	2026	8	3	23	86	153	153	20
Visayas	2026	8	3	24	82	153	153	20
Visayas	2026	8	4	1	77	153	153	20
Visayas	2026	8	4	2	74	153	153	20
Visayas	2026	8	4	3	71	153	153	20
Visayas	2026	8	4	4	69	153	153	20
Visayas	2026	8	4	5	70	153	153	20
Visayas	2026	8	4	6	73	153	153	20
Visayas	2026	8	4	7	74	153	153	20
Visayas	2026	8	4	8	87	153	153	20
Visayas	2026	8	4	9	105	153	153	20
Visayas	2026	8	4	10	114	153	153	20
Visayas	2026	8	4	11	119	153	153	20
Visayas	2026	8	4	12	118	153	153	20
Visayas	2026	8	4	13	118	153	153	20
Visayas	2026	8	4	14	124	153	153	20
Visayas	2026	8	4	15	124	153	153	20
Visayas	2026	8	4	16	116	153	153	20
Visayas	2026	8	4	17	112	153	153	20
Visayas	2026	8	4	18	108	153	153	20
Visayas	2026	8	4	19	115	153	153	20
Visayas	2026	8	4	20	111	153	153	20
Visayas	2026	8	4	21	107	153	153	20
Visayas	2026	8	4	22	101	153	153	20
Visayas	2026	8	4	23	93	153	153	20
Visayas	2026	8	4	24	88	153	153	20
Visayas	2026	8	5	1	84	153	153	20
Visayas	2026	8	5	2	80	153	153	20
Visayas	2026	8	5	3	77	153	153	20
Visayas	2026	8	5	4	74	153	153	20
Visayas	2026	8	5	5	75	153	153	20
Visayas	2026	8	5	6	77	153	153	20
Visayas	2026	8	5	7	78	153	153	20
Visayas	2026	8	5	8	92	153	153	20
Visayas	2026	8	5	9	109	153	153	20
Visayas	2026	8	5	10	119	153	153	20
Visayas	2026	8	5	11	123	153	153	20
Visayas	2026	8	5	12	120	153	153	20
Visayas	2026	8	5	13	122	153	153	20
Visayas	2026	8	5	14	126	153	153	20
Visayas	2026	8	5	15	124	153	153	20
Visayas	2026	8	5	16	121	153	153	20
Visayas	2026	8	5	17	111	153	153	20
Visayas	2026	8	5	18	111	153	153	20
Visayas	2026	8	5	19	119	153	153	20
Visayas	2026	8	5	20	112	153	153	20
Visayas	2026	8	5	21	108	153	153	20
Visayas	2026	8	5	22	104	153	153	20
Visayas	2026	8	5	23	94	153	153	20
Visayas	2026	8	5	24	85	153	153	20
Visayas	2026	8	6	1	81	153	153	20
Visayas	2026	8	6	2	76	153	153	20
Visayas	2026	8	6	3	73	153	153	20
Visayas	2026	8	6	4	72	153	153	20
Visayas	2026	8	6	5	73	153	153	20
Visayas	2026	8	6	6	74	153	153	20
Visayas	2026	8	6	7	76	153	153	20
Visayas	2026	8	6	8	88	153	153	20
Visayas	2026	8	6	9	105	153	153	20
Visayas	2026	8	6	10	113	153	153	20
Visayas	2026	8	6	11	119	153	153	20
Visayas	2026	8	6	12	112	153	153	20
Visayas	2026	8	6	13	111	153	153	20
Visayas	2026	8	6	14	120	153	153	20
Visayas	2026	8	6	15	118	153	153	20
Visayas	2026	8	6	16	118	153	153	20
Visayas	2026	8	6	17	108	153	153	20
Visayas	2026	8	6	18	109	153	153	20
Visayas	2026	8	6	19	111	153	153	20
Visayas	2026	8	6	20	102	153	153	20
Visayas	2026	8	6	21	96	153	153	20
Visayas	2026	8	6	22	89	153	153	20
Visayas	2026	8	6	23	83	153	153	20
Visayas	2026	8	6	24	79	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	7	1	74	153	153	20
Visayas	2026	8	7	2	72	153	153	20
Visayas	2026	8	7	3	69	153	153	20
Visayas	2026	8	7	4	68	153	153	20
Visayas	2026	8	7	5	68	153	153	20
Visayas	2026	8	7	6	71	153	153	20
Visayas	2026	8	7	7	73	153	153	20
Visayas	2026	8	7	8	85	153	153	20
Visayas	2026	8	7	9	100	153	153	20
Visayas	2026	8	7	10	109	153	153	20
Visayas	2026	8	7	11	114	153	153	20
Visayas	2026	8	7	12	110	153	153	20
Visayas	2026	8	7	13	109	153	153	20
Visayas	2026	8	7	14	112	153	153	20
Visayas	2026	8	7	15	112	153	153	20
Visayas	2026	8	7	16	106	153	153	20
Visayas	2026	8	7	17	100	153	153	20
Visayas	2026	8	7	18	100	153	153	20
Visayas	2026	8	7	19	101	153	153	20
Visayas	2026	8	7	20	98	153	153	20
Visayas	2026	8	7	21	94	153	153	20
Visayas	2026	8	7	22	86	153	153	20
Visayas	2026	8	7	23	79	153	153	20
Visayas	2026	8	7	24	75	153	153	20
Visayas	2026	8	8	1	72	153	153	20
Visayas	2026	8	8	2	70	153	153	20
Visayas	2026	8	8	3	68	153	153	20
Visayas	2026	8	8	4	67	153	153	20
Visayas	2026	8	8	5	67	153	153	20
Visayas	2026	8	8	6	67	153	153	20
Visayas	2026	8	8	7	67	153	153	20
Visayas	2026	8	8	8	76	153	153	20
Visayas	2026	8	8	9	86	153	153	20
Visayas	2026	8	8	10	92	153	153	20
Visayas	2026	8	8	11	96	153	153	20
Visayas	2026	8	8	12	95	153	153	20
Visayas	2026	8	8	13	95	153	153	20
Visayas	2026	8	8	14	99	153	153	20
Visayas	2026	8	8	15	96	153	153	20
Visayas	2026	8	8	16	93	153	153	20
Visayas	2026	8	8	17	91	153	153	20
Visayas	2026	8	8	18	96	153	153	20
Visayas	2026	8	8	19	100	153	153	20
Visayas	2026	8	8	20	94	153	153	20
Visayas	2026	8	8	21	92	153	153	20
Visayas	2026	8	8	22	86	153	153	20
Visayas	2026	8	8	23	80	153	153	20
Visayas	2026	8	8	24	75	153	153	20
Visayas	2026	8	9	1	71	153	153	20
Visayas	2026	8	9	2	67	153	153	20
Visayas	2026	8	9	3	65	153	153	20
Visayas	2026	8	9	4	64	153	153	20
Visayas	2026	8	9	5	64	153	153	20
Visayas	2026	8	9	6	65	153	153	20
Visayas	2026	8	9	7	64	153	153	20
Visayas	2026	8	9	8	67	153	153	20
Visayas	2026	8	9	9	72	153	153	20
Visayas	2026	8	9	10	78	153	153	20
Visayas	2026	8	9	11	78	153	153	20
Visayas	2026	8	9	12	80	153	153	20
Visayas	2026	8	9	13	78	153	153	20
Visayas	2026	8	9	14	78	153	153	20
Visayas	2026	8	9	15	78	153	153	20
Visayas	2026	8	9	16	78	153	153	20
Visayas	2026	8	9	17	76	153	153	20
Visayas	2026	8	9	18	87	153	153	20
Visayas	2026	8	9	19	94	153	153	20
Visayas	2026	8	9	20	88	153	153	20
Visayas	2026	8	9	21	86	153	153	20
Visayas	2026	8	9	22	80	153	153	20
Visayas	2026	8	9	23	74	153	153	20
Visayas	2026	8	9	24	70	153	153	20
Visayas	2026	8	10	1	66	153	153	20
Visayas	2026	8	10	2	65	153	153	20
Visayas	2026	8	10	3	63	153	153	20
Visayas	2026	8	10	4	61	153	153	20
Visayas	2026	8	10	5	64	153	153	20
Visayas	2026	8	10	6	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	10	7	69	153	153	20
Visayas	2026	8	10	8	83	153	153	20
Visayas	2026	8	10	9	100	153	153	20
Visayas	2026	8	10	10	110	153	153	20
Visayas	2026	8	10	11	118	153	153	20
Visayas	2026	8	10	12	113	153	153	20
Visayas	2026	8	10	13	113	153	153	20
Visayas	2026	8	10	14	117	153	153	20
Visayas	2026	8	10	15	116	153	153	20
Visayas	2026	8	10	16	112	153	153	20
Visayas	2026	8	10	17	107	153	153	20
Visayas	2026	8	10	18	104	153	153	20
Visayas	2026	8	10	19	104	153	153	20
Visayas	2026	8	10	20	99	153	153	20
Visayas	2026	8	10	21	94	153	153	20
Visayas	2026	8	10	22	87	153	153	20
Visayas	2026	8	10	23	81	153	153	20
Visayas	2026	8	10	24	75	153	153	20
Visayas	2026	8	11	1	71	153	153	20
Visayas	2026	8	11	2	69	153	153	20
Visayas	2026	8	11	3	67	153	153	20
Visayas	2026	8	11	4	65	153	153	20
Visayas	2026	8	11	5	67	153	153	20
Visayas	2026	8	11	6	70	153	153	20
Visayas	2026	8	11	7	72	153	153	20
Visayas	2026	8	11	8	84	153	153	20
Visayas	2026	8	11	9	102	153	153	20
Visayas	2026	8	11	10	110	153	153	20
Visayas	2026	8	11	11	118	153	153	20
Visayas	2026	8	11	12	113	153	153	20
Visayas	2026	8	11	13	113	153	153	20
Visayas	2026	8	11	14	120	153	153	20
Visayas	2026	8	11	15	116	153	153	20
Visayas	2026	8	11	16	114	153	153	20
Visayas	2026	8	11	17	100	153	153	20
Visayas	2026	8	11	18	102	153	153	20
Visayas	2026	8	11	19	103	153	153	20
Visayas	2026	8	11	20	98	153	153	20
Visayas	2026	8	11	21	93	153	153	20
Visayas	2026	8	11	22	86	153	153	20
Visayas	2026	8	11	23	79	153	153	20
Visayas	2026	8	11	24	74	153	153	20
Visayas	2026	8	12	1	71	153	153	20
Visayas	2026	8	12	2	68	153	153	20
Visayas	2026	8	12	3	66	153	153	20
Visayas	2026	8	12	4	65	153	153	20
Visayas	2026	8	12	5	66	153	153	20
Visayas	2026	8	12	6	70	153	153	20
Visayas	2026	8	12	7	71	153	153	20
Visayas	2026	8	12	8	83	153	153	20
Visayas	2026	8	12	9	99	153	153	20
Visayas	2026	8	12	10	109	153	153	20
Visayas	2026	8	12	11	114	153	153	20
Visayas	2026	8	12	12	113	153	153	20
Visayas	2026	8	12	13	114	153	153	20
Visayas	2026	8	12	14	121	153	153	20
Visayas	2026	8	12	15	114	153	153	20
Visayas	2026	8	12	16	113	153	153	20
Visayas	2026	8	12	17	105	153	153	20
Visayas	2026	8	12	18	106	153	153	20
Visayas	2026	8	12	19	108	153	153	20
Visayas	2026	8	12	20	103	153	153	20
Visayas	2026	8	12	21	100	153	153	20
Visayas	2026	8	12	22	91	153	153	20
Visayas	2026	8	12	23	85	153	153	20
Visayas	2026	8	12	24	80	153	153	20
Visayas	2026	8	13	1	76	153	153	20
Visayas	2026	8	13	2	73	153	153	20
Visayas	2026	8	13	3	70	153	153	20
Visayas	2026	8	13	4	69	153	153	20
Visayas	2026	8	13	5	70	153	153	20
Visayas	2026	8	13	6	73	153	153	20
Visayas	2026	8	13	7	75	153	153	20
Visayas	2026	8	13	8	88	153	153	20
Visayas	2026	8	13	9	105	153	153	20
Visayas	2026	8	13	10	113	153	153	20
Visayas	2026	8	13	11	120	153	153	20
Visayas	2026	8	13	12	116	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	13	13	116	153	153	20
Visayas	2026	8	13	14	124	153	153	20
Visayas	2026	8	13	15	124	153	153	20
Visayas	2026	8	13	16	119	153	153	20
Visayas	2026	8	13	17	110	153	153	20
Visayas	2026	8	13	18	111	153	153	20
Visayas	2026	8	13	19	115	153	153	20
Visayas	2026	8	13	20	110	153	153	20
Visayas	2026	8	13	21	106	153	153	20
Visayas	2026	8	13	22	97	153	153	20
Visayas	2026	8	13	23	91	153	153	20
Visayas	2026	8	13	24	85	153	153	20
Visayas	2026	8	14	1	81	153	153	20
Visayas	2026	8	14	2	78	153	153	20
Visayas	2026	8	14	3	74	153	153	20
Visayas	2026	8	14	4	73	153	153	20
Visayas	2026	8	14	5	74	153	153	20
Visayas	2026	8	14	6	77	153	153	20
Visayas	2026	8	14	7	78	153	153	20
Visayas	2026	8	14	8	90	153	153	20
Visayas	2026	8	14	9	107	153	153	20
Visayas	2026	8	14	10	116	153	153	20
Visayas	2026	8	14	11	120	153	153	20
Visayas	2026	8	14	12	118	153	153	20
Visayas	2026	8	14	13	117	153	153	20
Visayas	2026	8	14	14	123	153	153	20
Visayas	2026	8	14	15	122	153	153	20
Visayas	2026	8	14	16	116	153	153	20
Visayas	2026	8	14	17	108	153	153	20
Visayas	2026	8	14	18	107	153	153	20
Visayas	2026	8	14	19	112	153	153	20
Visayas	2026	8	14	20	106	153	153	20
Visayas	2026	8	14	21	104	153	153	20
Visayas	2026	8	14	22	98	153	153	20
Visayas	2026	8	14	23	90	153	153	20
Visayas	2026	8	14	24	85	153	153	20
Visayas	2026	8	15	1	82	153	153	20
Visayas	2026	8	15	2	80	153	153	20
Visayas	2026	8	15	3	75	153	153	20
Visayas	2026	8	15	4	74	153	153	20
Visayas	2026	8	15	5	73	153	153	20
Visayas	2026	8	15	6	74	153	153	20
Visayas	2026	8	15	7	71	153	153	20
Visayas	2026	8	15	8	78	153	153	20
Visayas	2026	8	15	9	89	153	153	20
Visayas	2026	8	15	10	97	153	153	20
Visayas	2026	8	15	11	101	153	153	20
Visayas	2026	8	15	12	99	153	153	20
Visayas	2026	8	15	13	96	153	153	20
Visayas	2026	8	15	14	95	153	153	20
Visayas	2026	8	15	15	93	153	153	20
Visayas	2026	8	15	16	92	153	153	20
Visayas	2026	8	15	17	90	153	153	20
Visayas	2026	8	15	18	97	153	153	20
Visayas	2026	8	15	19	105	153	153	20
Visayas	2026	8	15	20	98	153	153	20
Visayas	2026	8	15	21	95	153	153	20
Visayas	2026	8	15	22	89	153	153	20
Visayas	2026	8	15	23	84	153	153	20
Visayas	2026	8	15	24	78	153	153	20
Visayas	2026	8	16	1	73	153	153	20
Visayas	2026	8	16	2	70	153	153	20
Visayas	2026	8	16	3	68	153	153	20
Visayas	2026	8	16	4	67	153	153	20
Visayas	2026	8	16	5	67	153	153	20
Visayas	2026	8	16	6	67	153	153	20
Visayas	2026	8	16	7	68	153	153	20
Visayas	2026	8	16	8	71	153	153	20
Visayas	2026	8	16	9	76	153	153	20
Visayas	2026	8	16	10	83	153	153	20
Visayas	2026	8	16	11	84	153	153	20
Visayas	2026	8	16	12	82	153	153	20
Visayas	2026	8	16	13	83	153	153	20
Visayas	2026	8	16	14	82	153	153	20
Visayas	2026	8	16	15	82	153	153	20
Visayas	2026	8	16	16	82	153	153	20
Visayas	2026	8	16	17	83	153	153	20
Visayas	2026	8	16	18	91	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	16	19	95	153	153	20
Visayas	2026	8	16	20	92	153	153	20
Visayas	2026	8	16	21	88	153	153	20
Visayas	2026	8	16	22	83	153	153	20
Visayas	2026	8	16	23	77	153	153	20
Visayas	2026	8	16	24	73	153	153	20
Visayas	2026	8	17	1	70	153	153	20
Visayas	2026	8	17	2	67	153	153	20
Visayas	2026	8	17	3	65	153	153	20
Visayas	2026	8	17	4	64	153	153	20
Visayas	2026	8	17	5	66	153	153	20
Visayas	2026	8	17	6	70	153	153	20
Visayas	2026	8	17	7	72	153	153	20
Visayas	2026	8	17	8	85	153	153	20
Visayas	2026	8	17	9	102	153	153	20
Visayas	2026	8	17	10	107	153	153	20
Visayas	2026	8	17	11	114	153	153	20
Visayas	2026	8	17	12	112	153	153	20
Visayas	2026	8	17	13	116	153	153	20
Visayas	2026	8	17	14	117	153	153	20
Visayas	2026	8	17	15	117	153	153	20
Visayas	2026	8	17	16	118	153	153	20
Visayas	2026	8	17	17	110	153	153	20
Visayas	2026	8	17	18	106	153	153	20
Visayas	2026	8	17	19	112	153	153	20
Visayas	2026	8	17	20	106	153	153	20
Visayas	2026	8	17	21	102	153	153	20
Visayas	2026	8	17	22	94	153	153	20
Visayas	2026	8	17	23	88	153	153	20
Visayas	2026	8	17	24	83	153	153	20
Visayas	2026	8	18	1	78	153	153	20
Visayas	2026	8	18	2	74	153	153	20
Visayas	2026	8	18	3	72	153	153	20
Visayas	2026	8	18	4	70	153	153	20
Visayas	2026	8	18	5	72	153	153	20
Visayas	2026	8	18	6	75	153	153	20
Visayas	2026	8	18	7	77	153	153	20
Visayas	2026	8	18	8	90	153	153	20
Visayas	2026	8	18	9	106	153	153	20
Visayas	2026	8	18	10	115	153	153	20
Visayas	2026	8	18	11	119	153	153	20
Visayas	2026	8	18	12	118	153	153	20
Visayas	2026	8	18	13	120	153	153	20
Visayas	2026	8	18	14	124	153	153	20
Visayas	2026	8	18	15	126	153	153	20
Visayas	2026	8	18	16	121	153	153	20
Visayas	2026	8	18	17	113	153	153	20
Visayas	2026	8	18	18	110	153	153	20
Visayas	2026	8	18	19	115	153	153	20
Visayas	2026	8	18	20	111	153	153	20
Visayas	2026	8	18	21	108	153	153	20
Visayas	2026	8	18	22	100	153	153	20
Visayas	2026	8	18	23	93	153	153	20
Visayas	2026	8	18	24	87	153	153	20
Visayas	2026	8	19	1	82	153	153	20
Visayas	2026	8	19	2	80	153	153	20
Visayas	2026	8	19	3	76	153	153	20
Visayas	2026	8	19	4	74	153	153	20
Visayas	2026	8	19	5	75	153	153	20
Visayas	2026	8	19	6	77	153	153	20
Visayas	2026	8	19	7	78	153	153	20
Visayas	2026	8	19	8	91	153	153	20
Visayas	2026	8	19	9	108	153	153	20
Visayas	2026	8	19	10	114	153	153	20
Visayas	2026	8	19	11	122	153	153	20
Visayas	2026	8	19	12	118	153	153	20
Visayas	2026	8	19	13	121	153	153	20
Visayas	2026	8	19	14	122	153	153	20
Visayas	2026	8	19	15	119	153	153	20
Visayas	2026	8	19	16	113	153	153	20
Visayas	2026	8	19	17	110	153	153	20
Visayas	2026	8	19	18	107	153	153	20
Visayas	2026	8	19	19	107	153	153	20
Visayas	2026	8	19	20	102	153	153	20
Visayas	2026	8	19	21	98	153	153	20
Visayas	2026	8	19	22	91	153	153	20
Visayas	2026	8	19	23	88	153	153	20
Visayas	2026	8	19	24	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	20	1	76	153	153	20
Visayas	2026	8	20	2	74	153	153	20
Visayas	2026	8	20	3	70	153	153	20
Visayas	2026	8	20	4	69	153	153	20
Visayas	2026	8	20	5	71	153	153	20
Visayas	2026	8	20	6	74	153	153	20
Visayas	2026	8	20	7	73	153	153	20
Visayas	2026	8	20	8	87	153	153	20
Visayas	2026	8	20	9	104	153	153	20
Visayas	2026	8	20	10	113	153	153	20
Visayas	2026	8	20	11	117	153	153	20
Visayas	2026	8	20	12	114	153	153	20
Visayas	2026	8	20	13	113	153	153	20
Visayas	2026	8	20	14	121	153	153	20
Visayas	2026	8	20	15	119	153	153	20
Visayas	2026	8	20	16	118	153	153	20
Visayas	2026	8	20	17	109	153	153	20
Visayas	2026	8	20	18	110	153	153	20
Visayas	2026	8	20	19	112	153	153	20
Visayas	2026	8	20	20	108	153	153	20
Visayas	2026	8	20	21	103	153	153	20
Visayas	2026	8	20	22	96	153	153	20
Visayas	2026	8	20	23	90	153	153	20
Visayas	2026	8	20	24	85	153	153	20
Visayas	2026	8	21	1	74	153	153	20
Visayas	2026	8	21	2	72	153	153	20
Visayas	2026	8	21	3	69	153	153	20
Visayas	2026	8	21	4	68	153	153	20
Visayas	2026	8	21	5	67	153	153	20
Visayas	2026	8	21	6	67	153	153	20
Visayas	2026	8	21	7	66	153	153	20
Visayas	2026	8	21	8	67	153	153	20
Visayas	2026	8	21	9	74	153	153	20
Visayas	2026	8	21	10	81	153	153	20
Visayas	2026	8	21	11	86	153	153	20
Visayas	2026	8	21	12	87	153	153	20
Visayas	2026	8	21	13	86	153	153	20
Visayas	2026	8	21	14	88	153	153	20
Visayas	2026	8	21	15	85	153	153	20
Visayas	2026	8	21	16	84	153	153	20
Visayas	2026	8	21	17	85	153	153	20
Visayas	2026	8	21	18	92	153	153	20
Visayas	2026	8	21	19	100	153	153	20
Visayas	2026	8	21	20	101	153	153	20
Visayas	2026	8	21	21	97	153	153	20
Visayas	2026	8	21	22	92	153	153	20
Visayas	2026	8	21	23	86	153	153	20
Visayas	2026	8	21	24	80	153	153	20
Visayas	2026	8	22	1	77	153	153	20
Visayas	2026	8	22	2	74	153	153	20
Visayas	2026	8	22	3	71	153	153	20
Visayas	2026	8	22	4	70	153	153	20
Visayas	2026	8	22	5	67	153	153	20
Visayas	2026	8	22	6	68	153	153	20
Visayas	2026	8	22	7	69	153	153	20
Visayas	2026	8	22	8	76	153	153	20
Visayas	2026	8	22	9	82	153	153	20
Visayas	2026	8	22	10	87	153	153	20
Visayas	2026	8	22	11	92	153	153	20
Visayas	2026	8	22	12	92	153	153	20
Visayas	2026	8	22	13	93	153	153	20
Visayas	2026	8	22	14	96	153	153	20
Visayas	2026	8	22	15	97	153	153	20
Visayas	2026	8	22	16	94	153	153	20
Visayas	2026	8	22	17	92	153	153	20
Visayas	2026	8	22	18	93	153	153	20
Visayas	2026	8	22	19	95	153	153	20
Visayas	2026	8	22	20	92	153	153	20
Visayas	2026	8	22	21	90	153	153	20
Visayas	2026	8	22	22	91	153	153	20
Visayas	2026	8	22	23	85	153	153	20
Visayas	2026	8	22	24	79	153	153	20
Visayas	2026	8	23	1	82	153	153	20
Visayas	2026	8	23	2	78	153	153	20
Visayas	2026	8	23	3	75	153	153	20
Visayas	2026	8	23	4	73	153	153	20
Visayas	2026	8	23	5	72	153	153	20
Visayas	2026	8	23	6	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	23	7	72	153	153	20
Visayas	2026	8	23	8	77	153	153	20
Visayas	2026	8	23	9	83	153	153	20
Visayas	2026	8	23	10	88	153	153	20
Visayas	2026	8	23	11	95	153	153	20
Visayas	2026	8	23	12	94	153	153	20
Visayas	2026	8	23	13	95	153	153	20
Visayas	2026	8	23	14	97	153	153	20
Visayas	2026	8	23	15	99	153	153	20
Visayas	2026	8	23	16	95	153	153	20
Visayas	2026	8	23	17	93	153	153	20
Visayas	2026	8	23	18	101	153	153	20
Visayas	2026	8	23	19	110	153	153	20
Visayas	2026	8	23	20	104	153	153	20
Visayas	2026	8	23	21	102	153	153	20
Visayas	2026	8	23	22	98	153	153	20
Visayas	2026	8	23	23	91	153	153	20
Visayas	2026	8	23	24	86	153	153	20
Visayas	2026	8	24	1	76	153	153	20
Visayas	2026	8	24	2	73	153	153	20
Visayas	2026	8	24	3	70	153	153	20
Visayas	2026	8	24	4	69	153	153	20
Visayas	2026	8	24	5	74	153	153	20
Visayas	2026	8	24	6	79	153	153	20
Visayas	2026	8	24	7	72	153	153	20
Visayas	2026	8	24	8	83	153	153	20
Visayas	2026	8	24	9	99	153	153	20
Visayas	2026	8	24	10	106	153	153	20
Visayas	2026	8	24	11	111	153	153	20
Visayas	2026	8	24	12	102	153	153	20
Visayas	2026	8	24	13	102	153	153	20
Visayas	2026	8	24	14	107	153	153	20
Visayas	2026	8	24	15	107	153	153	20
Visayas	2026	8	24	16	106	153	153	20
Visayas	2026	8	24	17	100	153	153	20
Visayas	2026	8	24	18	103	153	153	20
Visayas	2026	8	24	19	106	153	153	20
Visayas	2026	8	24	20	99	153	153	20
Visayas	2026	8	24	21	95	153	153	20
Visayas	2026	8	24	22	88	153	153	20
Visayas	2026	8	24	23	82	153	153	20
Visayas	2026	8	24	24	77	153	153	20
Visayas	2026	8	25	1	74	153	153	20
Visayas	2026	8	25	2	72	153	153	20
Visayas	2026	8	25	3	70	153	153	20
Visayas	2026	8	25	4	68	153	153	20
Visayas	2026	8	25	5	73	153	153	20
Visayas	2026	8	25	6	79	153	153	20
Visayas	2026	8	25	7	73	153	153	20
Visayas	2026	8	25	8	87	153	153	20
Visayas	2026	8	25	9	103	153	153	20
Visayas	2026	8	25	10	113	153	153	20
Visayas	2026	8	25	11	115	153	153	20
Visayas	2026	8	25	12	110	153	153	20
Visayas	2026	8	25	13	112	153	153	20
Visayas	2026	8	25	14	119	153	153	20
Visayas	2026	8	25	15	118	153	153	20
Visayas	2026	8	25	16	114	153	153	20
Visayas	2026	8	25	17	108	153	153	20
Visayas	2026	8	25	18	110	153	153	20
Visayas	2026	8	25	19	111	153	153	20
Visayas	2026	8	25	20	107	153	153	20
Visayas	2026	8	25	21	103	153	153	20
Visayas	2026	8	25	22	95	153	153	20
Visayas	2026	8	25	23	89	153	153	20
Visayas	2026	8	25	24	84	153	153	20
Visayas	2026	8	26	1	80	153	153	20
Visayas	2026	8	26	2	76	153	153	20
Visayas	2026	8	26	3	73	153	153	20
Visayas	2026	8	26	4	72	153	153	20
Visayas	2026	8	26	5	75	153	153	20
Visayas	2026	8	26	6	81	153	153	20
Visayas	2026	8	26	7	73	153	153	20
Visayas	2026	8	26	8	90	153	153	20
Visayas	2026	8	26	9	105	153	153	20
Visayas	2026	8	26	10	115	153	153	20
Visayas	2026	8	26	11	119	153	153	20
Visayas	2026	8	26	12	115	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	26	13	118	153	153	20
Visayas	2026	8	26	14	125	153	153	20
Visayas	2026	8	26	15	121	153	153	20
Visayas	2026	8	26	16	114	153	153	20
Visayas	2026	8	26	17	108	153	153	20
Visayas	2026	8	26	18	109	153	153	20
Visayas	2026	8	26	19	114	153	153	20
Visayas	2026	8	26	20	109	153	153	20
Visayas	2026	8	26	21	104	153	153	20
Visayas	2026	8	26	22	98	153	153	20
Visayas	2026	8	26	23	90	153	153	20
Visayas	2026	8	26	24	84	153	153	20
Visayas	2026	8	27	1	80	153	153	20
Visayas	2026	8	27	2	77	153	153	20
Visayas	2026	8	27	3	73	153	153	20
Visayas	2026	8	27	4	72	153	153	20
Visayas	2026	8	27	5	75	153	153	20
Visayas	2026	8	27	6	79	153	153	20
Visayas	2026	8	27	7	75	153	153	20
Visayas	2026	8	27	8	88	153	153	20
Visayas	2026	8	27	9	102	153	153	20
Visayas	2026	8	27	10	112	153	153	20
Visayas	2026	8	27	11	115	153	153	20
Visayas	2026	8	27	12	113	153	153	20
Visayas	2026	8	27	13	113	153	153	20
Visayas	2026	8	27	14	122	153	153	20
Visayas	2026	8	27	15	121	153	153	20
Visayas	2026	8	27	16	117	153	153	20
Visayas	2026	8	27	17	109	153	153	20
Visayas	2026	8	27	18	111	153	153	20
Visayas	2026	8	27	19	116	153	153	20
Visayas	2026	8	27	20	112	153	153	20
Visayas	2026	8	27	21	106	153	153	20
Visayas	2026	8	27	22	99	153	153	20
Visayas	2026	8	27	23	94	153	153	20
Visayas	2026	8	27	24	90	153	153	20
Visayas	2026	8	28	1	86	153	153	20
Visayas	2026	8	28	2	79	153	153	20
Visayas	2026	8	28	3	76	153	153	20
Visayas	2026	8	28	4	74	153	153	20
Visayas	2026	8	28	5	75	153	153	20
Visayas	2026	8	28	6	81	153	153	20
Visayas	2026	8	28	7	77	153	153	20
Visayas	2026	8	28	8	88	153	153	20
Visayas	2026	8	28	9	107	153	153	20
Visayas	2026	8	28	10	119	153	153	20
Visayas	2026	8	28	11	120	153	153	20
Visayas	2026	8	28	12	116	153	153	20
Visayas	2026	8	28	13	114	153	153	20
Visayas	2026	8	28	14	122	153	153	20
Visayas	2026	8	28	15	120	153	153	20
Visayas	2026	8	28	16	118	153	153	20
Visayas	2026	8	28	17	110	153	153	20
Visayas	2026	8	28	18	110	153	153	20
Visayas	2026	8	28	19	113	153	153	20
Visayas	2026	8	28	20	108	153	153	20
Visayas	2026	8	28	21	103	153	153	20
Visayas	2026	8	28	22	96	153	153	20
Visayas	2026	8	28	23	90	153	153	20
Visayas	2026	8	28	24	85	153	153	20
Visayas	2026	8	29	1	82	153	153	20
Visayas	2026	8	29	2	77	153	153	20
Visayas	2026	8	29	3	74	153	153	20
Visayas	2026	8	29	4	72	153	153	20
Visayas	2026	8	29	5	72	153	153	20
Visayas	2026	8	29	6	73	153	153	20
Visayas	2026	8	29	7	75	153	153	20
Visayas	2026	8	29	8	83	153	153	20
Visayas	2026	8	29	9	94	153	153	20
Visayas	2026	8	29	10	101	153	153	20
Visayas	2026	8	29	11	107	153	153	20
Visayas	2026	8	29	12	104	153	153	20
Visayas	2026	8	29	13	105	153	153	20
Visayas	2026	8	29	14	111	153	153	20
Visayas	2026	8	29	15	110	153	153	20
Visayas	2026	8	29	16	106	153	153	20
Visayas	2026	8	29	17	103	153	153	20
Visayas	2026	8	29	18	105	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	8	29	19	109	153	153	20
Visayas	2026	8	29	20	105	153	153	20
Visayas	2026	8	29	21	102	153	153	20
Visayas	2026	8	29	22	97	153	153	20
Visayas	2026	8	29	23	91	153	153	20
Visayas	2026	8	29	24	86	153	153	20
Visayas	2026	8	30	1	82	153	153	20
Visayas	2026	8	30	2	78	153	153	20
Visayas	2026	8	30	3	75	153	153	20
Visayas	2026	8	30	4	73	153	153	20
Visayas	2026	8	30	5	72	153	153	20
Visayas	2026	8	30	6	72	153	153	20
Visayas	2026	8	30	7	72	153	153	20
Visayas	2026	8	30	8	77	153	153	20
Visayas	2026	8	30	9	83	153	153	20
Visayas	2026	8	30	10	88	153	153	20
Visayas	2026	8	30	11	95	153	153	20
Visayas	2026	8	30	12	94	153	153	20
Visayas	2026	8	30	13	95	153	153	20
Visayas	2026	8	30	14	97	153	153	20
Visayas	2026	8	30	15	99	153	153	20
Visayas	2026	8	30	16	95	153	153	20
Visayas	2026	8	30	17	93	153	153	20
Visayas	2026	8	30	18	101	153	153	20
Visayas	2026	8	30	19	110	153	153	20
Visayas	2026	8	30	20	104	153	153	20
Visayas	2026	8	30	21	102	153	153	20
Visayas	2026	8	30	22	98	153	153	20
Visayas	2026	8	30	23	91	153	153	20
Visayas	2026	8	30	24	86	153	153	20
Visayas	2026	8	31	1	84	153	153	20
Visayas	2026	8	31	2	80	153	153	20
Visayas	2026	8	31	3	77	153	153	20
Visayas	2026	8	31	4	76	153	153	20
Visayas	2026	8	31	5	78	153	153	20
Visayas	2026	8	31	6	83	153	153	20
Visayas	2026	8	31	7	78	153	153	20
Visayas	2026	8	31	8	94	153	153	20
Visayas	2026	8	31	9	113	153	153	20
Visayas	2026	8	31	10	120	153	153	20
Visayas	2026	8	31	11	124	153	153	20
Visayas	2026	8	31	12	122	153	153	20
Visayas	2026	8	31	13	125	153	153	20
Visayas	2026	8	31	14	127	153	153	20
Visayas	2026	8	31	15	127	153	153	20
Visayas	2026	8	31	16	124	153	153	20
Visayas	2026	8	31	17	118	153	153	20
Visayas	2026	8	31	18	117	153	153	20
Visayas	2026	8	31	19	121	153	153	20
Visayas	2026	8	31	20	116	153	153	20
Visayas	2026	8	31	21	112	153	153	20
Visayas	2026	8	31	22	104	153	153	20
Visayas	2026	8	31	23	96	153	153	20
Visayas	2026	8	31	24	89	153	153	20
Visayas	2026	9	1	1	78	153	153	20
Visayas	2026	9	1	2	74	153	153	20
Visayas	2026	9	1	3	71	153	153	20
Visayas	2026	9	1	4	70	153	153	20
Visayas	2026	9	1	5	73	153	153	20
Visayas	2026	9	1	6	77	153	153	20
Visayas	2026	9	1	7	72	153	153	20
Visayas	2026	9	1	8	87	153	153	20
Visayas	2026	9	1	9	106	153	153	20
Visayas	2026	9	1	10	117	153	153	20
Visayas	2026	9	1	11	119	153	153	20
Visayas	2026	9	1	12	116	153	153	20
Visayas	2026	9	1	13	120	153	153	20
Visayas	2026	9	1	14	125	153	153	20
Visayas	2026	9	1	15	124	153	153	20
Visayas	2026	9	1	16	120	153	153	20
Visayas	2026	9	1	17	111	153	153	20
Visayas	2026	9	1	18	114	153	153	20
Visayas	2026	9	1	19	117	153	153	20
Visayas	2026	9	1	20	112	153	153	20
Visayas	2026	9	1	21	108	153	153	20
Visayas	2026	9	1	22	101	153	153	20
Visayas	2026	9	1	23	95	153	153	20
Visayas	2026	9	1	24	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	2	1	79	153	153	20
Visayas	2026	9	2	2	76	153	153	20
Visayas	2026	9	2	3	72	153	153	20
Visayas	2026	9	2	4	71	153	153	20
Visayas	2026	9	2	5	74	153	153	20
Visayas	2026	9	2	6	82	153	153	20
Visayas	2026	9	2	7	76	153	153	20
Visayas	2026	9	2	8	90	153	153	20
Visayas	2026	9	2	9	107	153	153	20
Visayas	2026	9	2	10	117	153	153	20
Visayas	2026	9	2	11	123	153	153	20
Visayas	2026	9	2	12	118	153	153	20
Visayas	2026	9	2	13	120	153	153	20
Visayas	2026	9	2	14	127	153	153	20
Visayas	2026	9	2	15	126	153	153	20
Visayas	2026	9	2	16	123	153	153	20
Visayas	2026	9	2	17	114	153	153	20
Visayas	2026	9	2	18	115	153	153	20
Visayas	2026	9	2	19	119	153	153	20
Visayas	2026	9	2	20	115	153	153	20
Visayas	2026	9	2	21	110	153	153	20
Visayas	2026	9	2	22	104	153	153	20
Visayas	2026	9	2	23	97	153	153	20
Visayas	2026	9	2	24	91	153	153	20
Visayas	2026	9	3	1	85	153	153	20
Visayas	2026	9	3	2	82	153	153	20
Visayas	2026	9	3	3	79	153	153	20
Visayas	2026	9	3	4	79	153	153	20
Visayas	2026	9	3	5	81	153	153	20
Visayas	2026	9	3	6	86	153	153	20
Visayas	2026	9	3	7	80	153	153	20
Visayas	2026	9	3	8	95	153	153	20
Visayas	2026	9	3	9	113	153	153	20
Visayas	2026	9	3	10	123	153	153	20
Visayas	2026	9	3	11	126	153	153	20
Visayas	2026	9	3	12	123	153	153	20
Visayas	2026	9	3	13	124	153	153	20
Visayas	2026	9	3	14	129	153	153	20
Visayas	2026	9	3	15	130	153	153	20
Visayas	2026	9	3	16	123	153	153	20
Visayas	2026	9	3	17	117	153	153	20
Visayas	2026	9	3	18	117	153	153	20
Visayas	2026	9	3	19	119	153	153	20
Visayas	2026	9	3	20	116	153	153	20
Visayas	2026	9	3	21	111	153	153	20
Visayas	2026	9	3	22	103	153	153	20
Visayas	2026	9	3	23	97	153	153	20
Visayas	2026	9	3	24	91	153	153	20
Visayas	2026	9	4	1	88	153	153	20
Visayas	2026	9	4	2	83	153	153	20
Visayas	2026	9	4	3	80	153	153	20
Visayas	2026	9	4	4	78	153	153	20
Visayas	2026	9	4	5	81	153	153	20
Visayas	2026	9	4	6	84	153	153	20
Visayas	2026	9	4	7	80	153	153	20
Visayas	2026	9	4	8	95	153	153	20
Visayas	2026	9	4	9	114	153	153	20
Visayas	2026	9	4	10	119	153	153	20
Visayas	2026	9	4	11	124	153	153	20
Visayas	2026	9	4	12	122	153	153	20
Visayas	2026	9	4	13	121	153	153	20
Visayas	2026	9	4	14	128	153	153	20
Visayas	2026	9	4	15	128	153	153	20
Visayas	2026	9	4	16	126	153	153	20
Visayas	2026	9	4	17	117	153	153	20
Visayas	2026	9	4	18	120	153	153	20
Visayas	2026	9	4	19	121	153	153	20
Visayas	2026	9	4	20	116	153	153	20
Visayas	2026	9	4	21	113	153	153	20
Visayas	2026	9	4	22	105	153	153	20
Visayas	2026	9	4	23	98	153	153	20
Visayas	2026	9	4	24	92	153	153	20
Visayas	2026	9	5	1	88	153	153	20
Visayas	2026	9	5	2	84	153	153	20
Visayas	2026	9	5	3	81	153	153	20
Visayas	2026	9	5	4	79	153	153	20
Visayas	2026	9	5	5	78	153	153	20
Visayas	2026	9	5	6	80	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	5	7	78	153	153	20
Visayas	2026	9	5	8	86	153	153	20
Visayas	2026	9	5	9	97	153	153	20
Visayas	2026	9	5	10	103	153	153	20
Visayas	2026	9	5	11	108	153	153	20
Visayas	2026	9	5	12	106	153	153	20
Visayas	2026	9	5	13	111	153	153	20
Visayas	2026	9	5	14	115	153	153	20
Visayas	2026	9	5	15	114	153	153	20
Visayas	2026	9	5	16	110	153	153	20
Visayas	2026	9	5	17	107	153	153	20
Visayas	2026	9	5	18	113	153	153	20
Visayas	2026	9	5	19	118	153	153	20
Visayas	2026	9	5	20	114	153	153	20
Visayas	2026	9	5	21	110	153	153	20
Visayas	2026	9	5	22	104	153	153	20
Visayas	2026	9	5	23	97	153	153	20
Visayas	2026	9	5	24	91	153	153	20
Visayas	2026	9	6	1	87	153	153	20
Visayas	2026	9	6	2	83	153	153	20
Visayas	2026	9	6	3	80	153	153	20
Visayas	2026	9	6	4	77	153	153	20
Visayas	2026	9	6	5	75	153	153	20
Visayas	2026	9	6	6	74	153	153	20
Visayas	2026	9	6	7	73	153	153	20
Visayas	2026	9	6	8	77	153	153	20
Visayas	2026	9	6	9	84	153	153	20
Visayas	2026	9	6	10	91	153	153	20
Visayas	2026	9	6	11	95	153	153	20
Visayas	2026	9	6	12	97	153	153	20
Visayas	2026	9	6	13	98	153	153	20
Visayas	2026	9	6	14	97	153	153	20
Visayas	2026	9	6	15	101	153	153	20
Visayas	2026	9	6	16	99	153	153	20
Visayas	2026	9	6	17	96	153	153	20
Visayas	2026	9	6	18	107	153	153	20
Visayas	2026	9	6	19	113	153	153	20
Visayas	2026	9	6	20	109	153	153	20
Visayas	2026	9	6	21	107	153	153	20
Visayas	2026	9	6	22	101	153	153	20
Visayas	2026	9	6	23	92	153	153	20
Visayas	2026	9	6	24	87	153	153	20
Visayas	2026	9	7	1	81	153	153	20
Visayas	2026	9	7	2	77	153	153	20
Visayas	2026	9	7	3	74	153	153	20
Visayas	2026	9	7	4	73	153	153	20
Visayas	2026	9	7	5	77	153	153	20
Visayas	2026	9	7	6	82	153	153	20
Visayas	2026	9	7	7	76	153	153	20
Visayas	2026	9	7	8	90	153	153	20
Visayas	2026	9	7	9	107	153	153	20
Visayas	2026	9	7	10	118	153	153	20
Visayas	2026	9	7	11	122	153	153	20
Visayas	2026	9	7	12	120	153	153	20
Visayas	2026	9	7	13	120	153	153	20
Visayas	2026	9	7	14	126	153	153	20
Visayas	2026	9	7	15	127	153	153	20
Visayas	2026	9	7	16	119	153	153	20
Visayas	2026	9	7	17	114	153	153	20
Visayas	2026	9	7	18	115	153	153	20
Visayas	2026	9	7	19	113	153	153	20
Visayas	2026	9	7	20	110	153	153	20
Visayas	2026	9	7	21	105	153	153	20
Visayas	2026	9	7	22	97	153	153	20
Visayas	2026	9	7	23	90	153	153	20
Visayas	2026	9	7	24	85	153	153	20
Visayas	2026	9	8	1	81	153	153	20
Visayas	2026	9	8	2	77	153	153	20
Visayas	2026	9	8	3	74	153	153	20
Visayas	2026	9	8	4	73	153	153	20
Visayas	2026	9	8	5	76	153	153	20
Visayas	2026	9	8	6	81	153	153	20
Visayas	2026	9	8	7	75	153	153	20
Visayas	2026	9	8	8	89	153	153	20
Visayas	2026	9	8	9	107	153	153	20
Visayas	2026	9	8	10	118	153	153	20
Visayas	2026	9	8	11	117	153	153	20
Visayas	2026	9	8	12	116	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	8	13	118	153	153	20
Visayas	2026	9	8	14	125	153	153	20
Visayas	2026	9	8	15	123	153	153	20
Visayas	2026	9	8	16	120	153	153	20
Visayas	2026	9	8	17	113	153	153	20
Visayas	2026	9	8	18	114	153	153	20
Visayas	2026	9	8	19	114	153	153	20
Visayas	2026	9	8	20	110	153	153	20
Visayas	2026	9	8	21	105	153	153	20
Visayas	2026	9	8	22	95	153	153	20
Visayas	2026	9	8	23	87	153	153	20
Visayas	2026	9	8	24	83	153	153	20
Visayas	2026	9	9	1	79	153	153	20
Visayas	2026	9	9	2	76	153	153	20
Visayas	2026	9	9	3	72	153	153	20
Visayas	2026	9	9	4	71	153	153	20
Visayas	2026	9	9	5	74	153	153	20
Visayas	2026	9	9	6	82	153	153	20
Visayas	2026	9	9	7	76	153	153	20
Visayas	2026	9	9	8	90	153	153	20
Visayas	2026	9	9	9	107	153	153	20
Visayas	2026	9	9	10	117	153	153	20
Visayas	2026	9	9	11	123	153	153	20
Visayas	2026	9	9	12	118	153	153	20
Visayas	2026	9	9	13	120	153	153	20
Visayas	2026	9	9	14	127	153	153	20
Visayas	2026	9	9	15	126	153	153	20
Visayas	2026	9	9	16	123	153	153	20
Visayas	2026	9	9	17	114	153	153	20
Visayas	2026	9	9	18	115	153	153	20
Visayas	2026	9	9	19	119	153	153	20
Visayas	2026	9	9	20	115	153	153	20
Visayas	2026	9	9	21	110	153	153	20
Visayas	2026	9	9	22	104	153	153	20
Visayas	2026	9	9	23	97	153	153	20
Visayas	2026	9	9	24	91	153	153	20
Visayas	2026	9	10	1	86	153	153	20
Visayas	2026	9	10	2	82	153	153	20
Visayas	2026	9	10	3	79	153	153	20
Visayas	2026	9	10	4	78	153	153	20
Visayas	2026	9	10	5	80	153	153	20
Visayas	2026	9	10	6	84	153	153	20
Visayas	2026	9	10	7	80	153	153	20
Visayas	2026	9	10	8	97	153	153	20
Visayas	2026	9	10	9	113	153	153	20
Visayas	2026	9	10	10	123	153	153	20
Visayas	2026	9	10	11	127	153	153	20
Visayas	2026	9	10	12	122	153	153	20
Visayas	2026	9	10	13	124	153	153	20
Visayas	2026	9	10	14	127	153	153	20
Visayas	2026	9	10	15	126	153	153	20
Visayas	2026	9	10	16	120	153	153	20
Visayas	2026	9	10	17	110	153	153	20
Visayas	2026	9	10	18	117	153	153	20
Visayas	2026	9	10	19	116	153	153	20
Visayas	2026	9	10	20	111	153	153	20
Visayas	2026	9	10	21	107	153	153	20
Visayas	2026	9	10	22	99	153	153	20
Visayas	2026	9	10	23	94	153	153	20
Visayas	2026	9	10	24	88	153	153	20
Visayas	2026	9	11	1	83	153	153	20
Visayas	2026	9	11	2	80	153	153	20
Visayas	2026	9	11	3	77	153	153	20
Visayas	2026	9	11	4	75	153	153	20
Visayas	2026	9	11	5	77	153	153	20
Visayas	2026	9	11	6	80	153	153	20
Visayas	2026	9	11	7	78	153	153	20
Visayas	2026	9	11	8	88	153	153	20
Visayas	2026	9	11	9	103	153	153	20
Visayas	2026	9	11	10	111	153	153	20
Visayas	2026	9	11	11	116	153	153	20
Visayas	2026	9	11	12	115	153	153	20
Visayas	2026	9	11	13	113	153	153	20
Visayas	2026	9	11	14	112	153	153	20
Visayas	2026	9	11	15	109	153	153	20
Visayas	2026	9	11	16	107	153	153	20
Visayas	2026	9	11	17	104	153	153	20
Visayas	2026	9	11	18	108	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	11	19	107	153	153	20
Visayas	2026	9	11	20	104	153	153	20
Visayas	2026	9	11	21	100	153	153	20
Visayas	2026	9	11	22	93	153	153	20
Visayas	2026	9	11	23	87	153	153	20
Visayas	2026	9	11	24	83	153	153	20
Visayas	2026	9	12	1	78	153	153	20
Visayas	2026	9	12	2	75	153	153	20
Visayas	2026	9	12	3	72	153	153	20
Visayas	2026	9	12	4	71	153	153	20
Visayas	2026	9	12	5	71	153	153	20
Visayas	2026	9	12	6	71	153	153	20
Visayas	2026	9	12	7	72	153	153	20
Visayas	2026	9	12	8	80	153	153	20
Visayas	2026	9	12	9	92	153	153	20
Visayas	2026	9	12	10	99	153	153	20
Visayas	2026	9	12	11	106	153	153	20
Visayas	2026	9	12	12	101	153	153	20
Visayas	2026	9	12	13	102	153	153	20
Visayas	2026	9	12	14	110	153	153	20
Visayas	2026	9	12	15	108	153	153	20
Visayas	2026	9	12	16	105	153	153	20
Visayas	2026	9	12	17	101	153	153	20
Visayas	2026	9	12	18	108	153	153	20
Visayas	2026	9	12	19	109	153	153	20
Visayas	2026	9	12	20	103	153	153	20
Visayas	2026	9	12	21	101	153	153	20
Visayas	2026	9	12	22	95	153	153	20
Visayas	2026	9	12	23	88	153	153	20
Visayas	2026	9	12	24	84	153	153	20
Visayas	2026	9	13	1	79	153	153	20
Visayas	2026	9	13	2	77	153	153	20
Visayas	2026	9	13	3	72	153	153	20
Visayas	2026	9	13	4	70	153	153	20
Visayas	2026	9	13	5	70	153	153	20
Visayas	2026	9	13	6	70	153	153	20
Visayas	2026	9	13	7	70	153	153	20
Visayas	2026	9	13	8	74	153	153	20
Visayas	2026	9	13	9	83	153	153	20
Visayas	2026	9	13	10	90	153	153	20
Visayas	2026	9	13	11	94	153	153	20
Visayas	2026	9	13	12	94	153	153	20
Visayas	2026	9	13	13	96	153	153	20
Visayas	2026	9	13	14	97	153	153	20
Visayas	2026	9	13	15	97	153	153	20
Visayas	2026	9	13	16	94	153	153	20
Visayas	2026	9	13	17	93	153	153	20
Visayas	2026	9	13	18	104	153	153	20
Visayas	2026	9	13	19	111	153	153	20
Visayas	2026	9	13	20	107	153	153	20
Visayas	2026	9	13	21	104	153	153	20
Visayas	2026	9	13	22	99	153	153	20
Visayas	2026	9	13	23	92	153	153	20
Visayas	2026	9	13	24	87	153	153	20
Visayas	2026	9	14	1	82	153	153	20
Visayas	2026	9	14	2	77	153	153	20
Visayas	2026	9	14	3	75	153	153	20
Visayas	2026	9	14	4	72	153	153	20
Visayas	2026	9	14	5	78	153	153	20
Visayas	2026	9	14	6	81	153	153	20
Visayas	2026	9	14	7	78	153	153	20
Visayas	2026	9	14	8	94	153	153	20
Visayas	2026	9	14	9	114	153	153	20
Visayas	2026	9	14	10	122	153	153	20
Visayas	2026	9	14	11	126	153	153	20
Visayas	2026	9	14	12	125	153	153	20
Visayas	2026	9	14	13	127	153	153	20
Visayas	2026	9	14	14	132	153	153	20
Visayas	2026	9	14	15	131	153	153	20
Visayas	2026	9	14	16	128	153	153	20
Visayas	2026	9	14	17	122	153	153	20
Visayas	2026	9	14	18	123	153	153	20
Visayas	2026	9	14	19	124	153	153	20
Visayas	2026	9	14	20	119	153	153	20
Visayas	2026	9	14	21	116	153	153	20
Visayas	2026	9	14	22	109	153	153	20
Visayas	2026	9	14	23	101	153	153	20
Visayas	2026	9	14	24	94	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	15	1	89	153	153	20
Visayas	2026	9	15	2	84	153	153	20
Visayas	2026	9	15	3	82	153	153	20
Visayas	2026	9	15	4	80	153	153	20
Visayas	2026	9	15	5	83	153	153	20
Visayas	2026	9	15	6	87	153	153	20
Visayas	2026	9	15	7	81	153	153	20
Visayas	2026	9	15	8	98	153	153	20
Visayas	2026	9	15	9	116	153	153	20
Visayas	2026	9	15	10	124	153	153	20
Visayas	2026	9	15	11	129	153	153	20
Visayas	2026	9	15	12	125	153	153	20
Visayas	2026	9	15	13	127	153	153	20
Visayas	2026	9	15	14	134	153	153	20
Visayas	2026	9	15	15	131	153	153	20
Visayas	2026	9	15	16	128	153	153	20
Visayas	2026	9	15	17	119	153	153	20
Visayas	2026	9	15	18	122	153	153	20
Visayas	2026	9	15	19	121	153	153	20
Visayas	2026	9	15	20	117	153	153	20
Visayas	2026	9	15	21	114	153	153	20
Visayas	2026	9	15	22	106	153	153	20
Visayas	2026	9	15	23	98	153	153	20
Visayas	2026	9	15	24	92	153	153	20
Visayas	2026	9	16	1	88	153	153	20
Visayas	2026	9	16	2	85	153	153	20
Visayas	2026	9	16	3	82	153	153	20
Visayas	2026	9	16	4	81	153	153	20
Visayas	2026	9	16	5	83	153	153	20
Visayas	2026	9	16	6	86	153	153	20
Visayas	2026	9	16	7	81	153	153	20
Visayas	2026	9	16	8	99	153	153	20
Visayas	2026	9	16	9	116	153	153	20
Visayas	2026	9	16	10	127	153	153	20
Visayas	2026	9	16	11	129	153	153	20
Visayas	2026	9	16	12	126	153	153	20
Visayas	2026	9	16	13	127	153	153	20
Visayas	2026	9	16	14	134	153	153	20
Visayas	2026	9	16	15	133	153	153	20
Visayas	2026	9	16	16	128	153	153	20
Visayas	2026	9	16	17	119	153	153	20
Visayas	2026	9	16	18	121	153	153	20
Visayas	2026	9	16	19	119	153	153	20
Visayas	2026	9	16	20	114	153	153	20
Visayas	2026	9	16	21	110	153	153	20
Visayas	2026	9	16	22	105	153	153	20
Visayas	2026	9	16	23	97	153	153	20
Visayas	2026	9	16	24	92	153	153	20
Visayas	2026	9	17	1	87	153	153	20
Visayas	2026	9	17	2	84	153	153	20
Visayas	2026	9	17	3	80	153	153	20
Visayas	2026	9	17	4	79	153	153	20
Visayas	2026	9	17	5	81	153	153	20
Visayas	2026	9	17	6	85	153	153	20
Visayas	2026	9	17	7	82	153	153	20
Visayas	2026	9	17	8	95	153	153	20
Visayas	2026	9	17	9	113	153	153	20
Visayas	2026	9	17	10	123	153	153	20
Visayas	2026	9	17	11	125	153	153	20
Visayas	2026	9	17	12	120	153	153	20
Visayas	2026	9	17	13	120	153	153	20
Visayas	2026	9	17	14	127	153	153	20
Visayas	2026	9	17	15	124	153	153	20
Visayas	2026	9	17	16	122	153	153	20
Visayas	2026	9	17	17	113	153	153	20
Visayas	2026	9	17	18	114	153	153	20
Visayas	2026	9	17	19	115	153	153	20
Visayas	2026	9	17	20	109	153	153	20
Visayas	2026	9	17	21	103	153	153	20
Visayas	2026	9	17	22	97	153	153	20
Visayas	2026	9	17	23	92	153	153	20
Visayas	2026	9	17	24	85	153	153	20
Visayas	2026	9	18	1	82	153	153	20
Visayas	2026	9	18	2	76	153	153	20
Visayas	2026	9	18	3	74	153	153	20
Visayas	2026	9	18	4	72	153	153	20
Visayas	2026	9	18	5	74	153	153	20
Visayas	2026	9	18	6	77	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	18	7	78	153	153	20
Visayas	2026	9	18	8	89	153	153	20
Visayas	2026	9	18	9	101	153	153	20
Visayas	2026	9	18	10	110	153	153	20
Visayas	2026	9	18	11	117	153	153	20
Visayas	2026	9	18	12	111	153	153	20
Visayas	2026	9	18	13	110	153	153	20
Visayas	2026	9	18	14	119	153	153	20
Visayas	2026	9	18	15	114	153	153	20
Visayas	2026	9	18	16	113	153	153	20
Visayas	2026	9	18	17	106	153	153	20
Visayas	2026	9	18	18	112	153	153	20
Visayas	2026	9	18	19	105	153	153	20
Visayas	2026	9	18	20	104	153	153	20
Visayas	2026	9	18	21	100	153	153	20
Visayas	2026	9	18	22	93	153	153	20
Visayas	2026	9	18	23	89	153	153	20
Visayas	2026	9	18	24	84	153	153	20
Visayas	2026	9	19	1	80	153	153	20
Visayas	2026	9	19	2	77	153	153	20
Visayas	2026	9	19	3	73	153	153	20
Visayas	2026	9	19	4	68	153	153	20
Visayas	2026	9	19	5	69	153	153	20
Visayas	2026	9	19	6	71	153	153	20
Visayas	2026	9	19	7	70	153	153	20
Visayas	2026	9	19	8	81	153	153	20
Visayas	2026	9	19	9	97	153	153	20
Visayas	2026	9	19	10	102	153	153	20
Visayas	2026	9	19	11	109	153	153	20
Visayas	2026	9	19	12	106	153	153	20
Visayas	2026	9	19	13	108	153	153	20
Visayas	2026	9	19	14	112	153	153	20
Visayas	2026	9	19	15	110	153	153	20
Visayas	2026	9	19	16	107	153	153	20
Visayas	2026	9	19	17	102	153	153	20
Visayas	2026	9	19	18	110	153	153	20
Visayas	2026	9	19	19	114	153	153	20
Visayas	2026	9	19	20	110	153	153	20
Visayas	2026	9	19	21	107	153	153	20
Visayas	2026	9	19	22	99	153	153	20
Visayas	2026	9	19	23	94	153	153	20
Visayas	2026	9	19	24	89	153	153	20
Visayas	2026	9	20	1	85	153	153	20
Visayas	2026	9	20	2	80	153	153	20
Visayas	2026	9	20	3	78	153	153	20
Visayas	2026	9	20	4	75	153	153	20
Visayas	2026	9	20	5	75	153	153	20
Visayas	2026	9	20	6	74	153	153	20
Visayas	2026	9	20	7	70	153	153	20
Visayas	2026	9	20	8	74	153	153	20
Visayas	2026	9	20	9	82	153	153	20
Visayas	2026	9	20	10	88	153	153	20
Visayas	2026	9	20	11	90	153	153	20
Visayas	2026	9	20	12	91	153	153	20
Visayas	2026	9	20	13	93	153	153	20
Visayas	2026	9	20	14	94	153	153	20
Visayas	2026	9	20	15	94	153	153	20
Visayas	2026	9	20	16	94	153	153	20
Visayas	2026	9	20	17	92	153	153	20
Visayas	2026	9	20	18	107	153	153	20
Visayas	2026	9	20	19	107	153	153	20
Visayas	2026	9	20	20	105	153	153	20
Visayas	2026	9	20	21	103	153	153	20
Visayas	2026	9	20	22	99	153	153	20
Visayas	2026	9	20	23	92	153	153	20
Visayas	2026	9	20	24	88	153	153	20
Visayas	2026	9	21	1	81	153	153	20
Visayas	2026	9	21	2	78	153	153	20
Visayas	2026	9	21	3	75	153	153	20
Visayas	2026	9	21	4	73	153	153	20
Visayas	2026	9	21	5	77	153	153	20
Visayas	2026	9	21	6	82	153	153	20
Visayas	2026	9	21	7	77	153	153	20
Visayas	2026	9	21	8	93	153	153	20
Visayas	2026	9	21	9	111	153	153	20
Visayas	2026	9	21	10	122	153	153	20
Visayas	2026	9	21	11	127	153	153	20
Visayas	2026	9	21	12	122	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	21	13	127	153	153	20
Visayas	2026	9	21	14	130	153	153	20
Visayas	2026	9	21	15	129	153	153	20
Visayas	2026	9	21	16	122	153	153	20
Visayas	2026	9	21	17	117	153	153	20
Visayas	2026	9	21	18	122	153	153	20
Visayas	2026	9	21	19	120	153	153	20
Visayas	2026	9	21	20	116	153	153	20
Visayas	2026	9	21	21	110	153	153	20
Visayas	2026	9	21	22	105	153	153	20
Visayas	2026	9	21	23	96	153	153	20
Visayas	2026	9	21	24	91	153	153	20
Visayas	2026	9	22	1	87	153	153	20
Visayas	2026	9	22	2	82	153	153	20
Visayas	2026	9	22	3	80	153	153	20
Visayas	2026	9	22	4	78	153	153	20
Visayas	2026	9	22	5	82	153	153	20
Visayas	2026	9	22	6	84	153	153	20
Visayas	2026	9	22	7	80	153	153	20
Visayas	2026	9	22	8	95	153	153	20
Visayas	2026	9	22	9	113	153	153	20
Visayas	2026	9	22	10	122	153	153	20
Visayas	2026	9	22	11	127	153	153	20
Visayas	2026	9	22	12	125	153	153	20
Visayas	2026	9	22	13	127	153	153	20
Visayas	2026	9	22	14	133	153	153	20
Visayas	2026	9	22	15	131	153	153	20
Visayas	2026	9	22	16	128	153	153	20
Visayas	2026	9	22	17	119	153	153	20
Visayas	2026	9	22	18	124	153	153	20
Visayas	2026	9	22	19	120	153	153	20
Visayas	2026	9	22	20	116	153	153	20
Visayas	2026	9	22	21	113	153	153	20
Visayas	2026	9	22	22	103	153	153	20
Visayas	2026	9	22	23	96	153	153	20
Visayas	2026	9	22	24	90	153	153	20
Visayas	2026	9	23	1	86	153	153	20
Visayas	2026	9	23	2	82	153	153	20
Visayas	2026	9	23	3	79	153	153	20
Visayas	2026	9	23	4	77	153	153	20
Visayas	2026	9	23	5	80	153	153	20
Visayas	2026	9	23	6	84	153	153	20
Visayas	2026	9	23	7	78	153	153	20
Visayas	2026	9	23	8	94	153	153	20
Visayas	2026	9	23	9	111	153	153	20
Visayas	2026	9	23	10	120	153	153	20
Visayas	2026	9	23	11	126	153	153	20
Visayas	2026	9	23	12	121	153	153	20
Visayas	2026	9	23	13	124	153	153	20
Visayas	2026	9	23	14	129	153	153	20
Visayas	2026	9	23	15	127	153	153	20
Visayas	2026	9	23	16	125	153	153	20
Visayas	2026	9	23	17	117	153	153	20
Visayas	2026	9	23	18	123	153	153	20
Visayas	2026	9	23	19	116	153	153	20
Visayas	2026	9	23	20	112	153	153	20
Visayas	2026	9	23	21	108	153	153	20
Visayas	2026	9	23	22	100	153	153	20
Visayas	2026	9	23	23	93	153	153	20
Visayas	2026	9	23	24	87	153	153	20
Visayas	2026	9	24	1	83	153	153	20
Visayas	2026	9	24	2	79	153	153	20
Visayas	2026	9	24	3	76	153	153	20
Visayas	2026	9	24	4	74	153	153	20
Visayas	2026	9	24	5	78	153	153	20
Visayas	2026	9	24	6	81	153	153	20
Visayas	2026	9	24	7	78	153	153	20
Visayas	2026	9	24	8	93	153	153	20
Visayas	2026	9	24	9	110	153	153	20
Visayas	2026	9	24	10	119	153	153	20
Visayas	2026	9	24	11	125	153	153	20
Visayas	2026	9	24	12	122	153	153	20
Visayas	2026	9	24	13	123	153	153	20
Visayas	2026	9	24	14	129	153	153	20
Visayas	2026	9	24	15	128	153	153	20
Visayas	2026	9	24	16	124	153	153	20
Visayas	2026	9	24	17	117	153	153	20
Visayas	2026	9	24	18	121	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	24	19	119	153	153	20
Visayas	2026	9	24	20	114	153	153	20
Visayas	2026	9	24	21	110	153	153	20
Visayas	2026	9	24	22	102	153	153	20
Visayas	2026	9	24	23	95	153	153	20
Visayas	2026	9	24	24	89	153	153	20
Visayas	2026	9	25	1	86	153	153	20
Visayas	2026	9	25	2	81	153	153	20
Visayas	2026	9	25	3	76	153	153	20
Visayas	2026	9	25	4	75	153	153	20
Visayas	2026	9	25	5	78	153	153	20
Visayas	2026	9	25	6	81	153	153	20
Visayas	2026	9	25	7	79	153	153	20
Visayas	2026	9	25	8	93	153	153	20
Visayas	2026	9	25	9	111	153	153	20
Visayas	2026	9	25	10	120	153	153	20
Visayas	2026	9	25	11	125	153	153	20
Visayas	2026	9	25	12	122	153	153	20
Visayas	2026	9	25	13	122	153	153	20
Visayas	2026	9	25	14	126	153	153	20
Visayas	2026	9	25	15	123	153	153	20
Visayas	2026	9	25	16	117	153	153	20
Visayas	2026	9	25	17	112	153	153	20
Visayas	2026	9	25	18	115	153	153	20
Visayas	2026	9	25	19	111	153	153	20
Visayas	2026	9	25	20	107	153	153	20
Visayas	2026	9	25	21	101	153	153	20
Visayas	2026	9	25	22	94	153	153	20
Visayas	2026	9	25	23	86	153	153	20
Visayas	2026	9	25	24	81	153	153	20
Visayas	2026	9	26	1	79	153	153	20
Visayas	2026	9	26	2	76	153	153	20
Visayas	2026	9	26	3	74	153	153	20
Visayas	2026	9	26	4	72	153	153	20
Visayas	2026	9	26	5	72	153	153	20
Visayas	2026	9	26	6	74	153	153	20
Visayas	2026	9	26	7	75	153	153	20
Visayas	2026	9	26	8	83	153	153	20
Visayas	2026	9	26	9	95	153	153	20
Visayas	2026	9	26	10	104	153	153	20
Visayas	2026	9	26	11	109	153	153	20
Visayas	2026	9	26	12	106	153	153	20
Visayas	2026	9	26	13	104	153	153	20
Visayas	2026	9	26	14	108	153	153	20
Visayas	2026	9	26	15	103	153	153	20
Visayas	2026	9	26	16	99	153	153	20
Visayas	2026	9	26	17	99	153	153	20
Visayas	2026	9	26	18	107	153	153	20
Visayas	2026	9	26	19	104	153	153	20
Visayas	2026	9	26	20	98	153	153	20
Visayas	2026	9	26	21	94	153	153	20
Visayas	2026	9	26	22	88	153	153	20
Visayas	2026	9	26	23	82	153	153	20
Visayas	2026	9	26	24	79	153	153	20
Visayas	2026	9	27	1	73	153	153	20
Visayas	2026	9	27	2	70	153	153	20
Visayas	2026	9	27	3	68	153	153	20
Visayas	2026	9	27	4	68	153	153	20
Visayas	2026	9	27	5	67	153	153	20
Visayas	2026	9	27	6	67	153	153	20
Visayas	2026	9	27	7	65	153	153	20
Visayas	2026	9	27	8	68	153	153	20
Visayas	2026	9	27	9	74	153	153	20
Visayas	2026	9	27	10	81	153	153	20
Visayas	2026	9	27	11	85	153	153	20
Visayas	2026	9	27	12	85	153	153	20
Visayas	2026	9	27	13	84	153	153	20
Visayas	2026	9	27	14	82	153	153	20
Visayas	2026	9	27	15	83	153	153	20
Visayas	2026	9	27	16	82	153	153	20
Visayas	2026	9	27	17	84	153	153	20
Visayas	2026	9	27	18	97	153	153	20
Visayas	2026	9	27	19	95	153	153	20
Visayas	2026	9	27	20	91	153	153	20
Visayas	2026	9	27	21	87	153	153	20
Visayas	2026	9	27	22	81	153	153	20
Visayas	2026	9	27	23	75	153	153	20
Visayas	2026	9	27	24	72	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	9	28	1	69	153	153	20
Visayas	2026	9	28	2	66	153	153	20
Visayas	2026	9	28	3	65	153	153	20
Visayas	2026	9	28	4	65	153	153	20
Visayas	2026	9	28	5	68	153	153	20
Visayas	2026	9	28	6	73	153	153	20
Visayas	2026	9	28	7	70	153	153	20
Visayas	2026	9	28	8	83	153	153	20
Visayas	2026	9	28	9	98	153	153	20
Visayas	2026	9	28	10	106	153	153	20
Visayas	2026	9	28	11	112	153	153	20
Visayas	2026	9	28	12	110	153	153	20
Visayas	2026	9	28	13	110	153	153	20
Visayas	2026	9	28	14	119	153	153	20
Visayas	2026	9	28	15	117	153	153	20
Visayas	2026	9	28	16	112	153	153	20
Visayas	2026	9	28	17	109	153	153	20
Visayas	2026	9	28	18	116	153	153	20
Visayas	2026	9	28	19	110	153	153	20
Visayas	2026	9	28	20	103	153	153	20
Visayas	2026	9	28	21	97	153	153	20
Visayas	2026	9	28	22	89	153	153	20
Visayas	2026	9	28	23	83	153	153	20
Visayas	2026	9	28	24	79	153	153	20
Visayas	2026	9	29	1	74	153	153	20
Visayas	2026	9	29	2	71	153	153	20
Visayas	2026	9	29	3	68	153	153	20
Visayas	2026	9	29	4	68	153	153	20
Visayas	2026	9	29	5	71	153	153	20
Visayas	2026	9	29	6	77	153	153	20
Visayas	2026	9	29	7	74	153	153	20
Visayas	2026	9	29	8	87	153	153	20
Visayas	2026	9	29	9	104	153	153	20
Visayas	2026	9	29	10	113	153	153	20
Visayas	2026	9	29	11	119	153	153	20
Visayas	2026	9	29	12	116	153	153	20
Visayas	2026	9	29	13	116	153	153	20
Visayas	2026	9	29	14	123	153	153	20
Visayas	2026	9	29	15	122	153	153	20
Visayas	2026	9	29	16	117	153	153	20
Visayas	2026	9	29	17	109	153	153	20
Visayas	2026	9	29	18	118	153	153	20
Visayas	2026	9	29	19	111	153	153	20
Visayas	2026	9	29	20	106	153	153	20
Visayas	2026	9	29	21	100	153	153	20
Visayas	2026	9	29	22	93	153	153	20
Visayas	2026	9	29	23	87	153	153	20
Visayas	2026	9	29	24	82	153	153	20
Visayas	2026	9	30	1	77	153	153	20
Visayas	2026	9	30	2	73	153	153	20
Visayas	2026	9	30	3	72	153	153	20
Visayas	2026	9	30	4	70	153	153	20
Visayas	2026	9	30	5	74	153	153	20
Visayas	2026	9	30	6	80	153	153	20
Visayas	2026	9	30	7	76	153	153	20
Visayas	2026	9	30	8	87	153	153	20
Visayas	2026	9	30	9	103	153	153	20
Visayas	2026	9	30	10	113	153	153	20
Visayas	2026	9	30	11	114	153	153	20
Visayas	2026	9	30	12	109	153	153	20
Visayas	2026	9	30	13	109	153	153	20
Visayas	2026	9	30	14	114	153	153	20
Visayas	2026	9	30	15	112	153	153	20
Visayas	2026	9	30	16	112	153	153	20
Visayas	2026	9	30	17	106	153	153	20
Visayas	2026	9	30	18	113	153	153	20
Visayas	2026	9	30	19	107	153	153	20
Visayas	2026	9	30	20	103	153	153	20
Visayas	2026	9	30	21	98	153	153	20
Visayas	2026	9	30	22	91	153	153	20
Visayas	2026	9	30	23	84	153	153	20
Visayas	2026	9	30	24	80	153	153	20
Visayas	2026	10	1	1	76	153	153	20
Visayas	2026	10	1	2	72	153	153	20
Visayas	2026	10	1	3	70	153	153	20
Visayas	2026	10	1	4	68	153	153	20
Visayas	2026	10	1	5	72	153	153	20
Visayas	2026	10	1	6	76	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	1	7	74	153	153	20
Visayas	2026	10	1	8	86	153	153	20
Visayas	2026	10	1	9	106	153	153	20
Visayas	2026	10	1	10	114	153	153	20
Visayas	2026	10	1	11	118	153	153	20
Visayas	2026	10	1	12	114	153	153	20
Visayas	2026	10	1	13	116	153	153	20
Visayas	2026	10	1	14	122	153	153	20
Visayas	2026	10	1	15	117	153	153	20
Visayas	2026	10	1	16	111	153	153	20
Visayas	2026	10	1	17	108	153	153	20
Visayas	2026	10	1	18	110	153	153	20
Visayas	2026	10	1	19	105	153	153	20
Visayas	2026	10	1	20	100	153	153	20
Visayas	2026	10	1	21	96	153	153	20
Visayas	2026	10	1	22	89	153	153	20
Visayas	2026	10	1	23	84	153	153	20
Visayas	2026	10	1	24	77	153	153	20
Visayas	2026	10	2	1	72	153	153	20
Visayas	2026	10	2	2	71	153	153	20
Visayas	2026	10	2	3	69	153	153	20
Visayas	2026	10	2	4	69	153	153	20
Visayas	2026	10	2	5	70	153	153	20
Visayas	2026	10	2	6	75	153	153	20
Visayas	2026	10	2	7	71	153	153	20
Visayas	2026	10	2	8	83	153	153	20
Visayas	2026	10	2	9	98	153	153	20
Visayas	2026	10	2	10	105	153	153	20
Visayas	2026	10	2	11	109	153	153	20
Visayas	2026	10	2	12	108	153	153	20
Visayas	2026	10	2	13	107	153	153	20
Visayas	2026	10	2	14	113	153	153	20
Visayas	2026	10	2	15	113	153	153	20
Visayas	2026	10	2	16	109	153	153	20
Visayas	2026	10	2	17	103	153	153	20
Visayas	2026	10	2	18	111	153	153	20
Visayas	2026	10	2	19	107	153	153	20
Visayas	2026	10	2	20	101	153	153	20
Visayas	2026	10	2	21	96	153	153	20
Visayas	2026	10	2	22	90	153	153	20
Visayas	2026	10	2	23	84	153	153	20
Visayas	2026	10	2	24	79	153	153	20
Visayas	2026	10	3	1	75	153	153	20
Visayas	2026	10	3	2	72	153	153	20
Visayas	2026	10	3	3	69	153	153	20
Visayas	2026	10	3	4	68	153	153	20
Visayas	2026	10	3	5	68	153	153	20
Visayas	2026	10	3	6	69	153	153	20
Visayas	2026	10	3	7	69	153	153	20
Visayas	2026	10	3	8	72	153	153	20
Visayas	2026	10	3	9	82	153	153	20
Visayas	2026	10	3	10	92	153	153	20
Visayas	2026	10	3	11	98	153	153	20
Visayas	2026	10	3	12	97	153	153	20
Visayas	2026	10	3	13	97	153	153	20
Visayas	2026	10	3	14	101	153	153	20
Visayas	2026	10	3	15	101	153	153	20
Visayas	2026	10	3	16	100	153	153	20
Visayas	2026	10	3	17	95	153	153	20
Visayas	2026	10	3	18	106	153	153	20
Visayas	2026	10	3	19	104	153	153	20
Visayas	2026	10	3	20	98	153	153	20
Visayas	2026	10	3	21	96	153	153	20
Visayas	2026	10	3	22	88	153	153	20
Visayas	2026	10	3	23	83	153	153	20
Visayas	2026	10	3	24	78	153	153	20
Visayas	2026	10	4	1	74	153	153	20
Visayas	2026	10	4	2	70	153	153	20
Visayas	2026	10	4	3	68	153	153	20
Visayas	2026	10	4	4	67	153	153	20
Visayas	2026	10	4	5	67	153	153	20
Visayas	2026	10	4	6	67	153	153	20
Visayas	2026	10	4	7	67	153	153	20
Visayas	2026	10	4	8	72	153	153	20
Visayas	2026	10	4	9	80	153	153	20
Visayas	2026	10	4	10	85	153	153	20
Visayas	2026	10	4	11	89	153	153	20
Visayas	2026	10	4	12	89	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	4	13	91	153	153	20
Visayas	2026	10	4	14	91	153	153	20
Visayas	2026	10	4	15	92	153	153	20
Visayas	2026	10	4	16	89	153	153	20
Visayas	2026	10	4	17	88	153	153	20
Visayas	2026	10	4	18	102	153	153	20
Visayas	2026	10	4	19	103	153	153	20
Visayas	2026	10	4	20	101	153	153	20
Visayas	2026	10	4	21	98	153	153	20
Visayas	2026	10	4	22	92	153	153	20
Visayas	2026	10	4	23	86	153	153	20
Visayas	2026	10	4	24	82	153	153	20
Visayas	2026	10	5	1	76	153	153	20
Visayas	2026	10	5	2	73	153	153	20
Visayas	2026	10	5	3	70	153	153	20
Visayas	2026	10	5	4	70	153	153	20
Visayas	2026	10	5	5	73	153	153	20
Visayas	2026	10	5	6	77	153	153	20
Visayas	2026	10	5	7	74	153	153	20
Visayas	2026	10	5	8	91	153	153	20
Visayas	2026	10	5	9	109	153	153	20
Visayas	2026	10	5	10	118	153	153	20
Visayas	2026	10	5	11	121	153	153	20
Visayas	2026	10	5	12	117	153	153	20
Visayas	2026	10	5	13	121	153	153	20
Visayas	2026	10	5	14	121	153	153	20
Visayas	2026	10	5	15	117	153	153	20
Visayas	2026	10	5	16	113	153	153	20
Visayas	2026	10	5	17	110	153	153	20
Visayas	2026	10	5	18	118	153	153	20
Visayas	2026	10	5	19	112	153	153	20
Visayas	2026	10	5	20	106	153	153	20
Visayas	2026	10	5	21	101	153	153	20
Visayas	2026	10	5	22	93	153	153	20
Visayas	2026	10	5	23	87	153	153	20
Visayas	2026	10	5	24	81	153	153	20
Visayas	2026	10	6	1	77	153	153	20
Visayas	2026	10	6	2	73	153	153	20
Visayas	2026	10	6	3	71	153	153	20
Visayas	2026	10	6	4	70	153	153	20
Visayas	2026	10	6	5	74	153	153	20
Visayas	2026	10	6	6	80	153	153	20
Visayas	2026	10	6	7	74	153	153	20
Visayas	2026	10	6	8	91	153	153	20
Visayas	2026	10	6	9	106	153	153	20
Visayas	2026	10	6	10	117	153	153	20
Visayas	2026	10	6	11	123	153	153	20
Visayas	2026	10	6	12	117	153	153	20
Visayas	2026	10	6	13	118	153	153	20
Visayas	2026	10	6	14	122	153	153	20
Visayas	2026	10	6	15	120	153	153	20
Visayas	2026	10	6	16	117	153	153	20
Visayas	2026	10	6	17	111	153	153	20
Visayas	2026	10	6	18	118	153	153	20
Visayas	2026	10	6	19	113	153	153	20
Visayas	2026	10	6	20	110	153	153	20
Visayas	2026	10	6	21	103	153	153	20
Visayas	2026	10	6	22	97	153	153	20
Visayas	2026	10	6	23	91	153	153	20
Visayas	2026	10	6	24	84	153	153	20
Visayas	2026	10	7	1	81	153	153	20
Visayas	2026	10	7	2	78	153	153	20
Visayas	2026	10	7	3	74	153	153	20
Visayas	2026	10	7	4	73	153	153	20
Visayas	2026	10	7	5	77	153	153	20
Visayas	2026	10	7	6	81	153	153	20
Visayas	2026	10	7	7	77	153	153	20
Visayas	2026	10	7	8	91	153	153	20
Visayas	2026	10	7	9	109	153	153	20
Visayas	2026	10	7	10	117	153	153	20
Visayas	2026	10	7	11	122	153	153	20
Visayas	2026	10	7	12	119	153	153	20
Visayas	2026	10	7	13	117	153	153	20
Visayas	2026	10	7	14	121	153	153	20
Visayas	2026	10	7	15	117	153	153	20
Visayas	2026	10	7	16	118	153	153	20
Visayas	2026	10	7	17	113	153	153	20
Visayas	2026	10	7	18	118	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	7	19	112	153	153	20
Visayas	2026	10	7	20	107	153	153	20
Visayas	2026	10	7	21	101	153	153	20
Visayas	2026	10	7	22	94	153	153	20
Visayas	2026	10	7	23	89	153	153	20
Visayas	2026	10	7	24	82	153	153	20
Visayas	2026	10	8	1	77	153	153	20
Visayas	2026	10	8	2	75	153	153	20
Visayas	2026	10	8	3	73	153	153	20
Visayas	2026	10	8	4	72	153	153	20
Visayas	2026	10	8	5	75	153	153	20
Visayas	2026	10	8	6	80	153	153	20
Visayas	2026	10	8	7	78	153	153	20
Visayas	2026	10	8	8	94	153	153	20
Visayas	2026	10	8	9	109	153	153	20
Visayas	2026	10	8	10	120	153	153	20
Visayas	2026	10	8	11	121	153	153	20
Visayas	2026	10	8	12	117	153	153	20
Visayas	2026	10	8	13	117	153	153	20
Visayas	2026	10	8	14	126	153	153	20
Visayas	2026	10	8	15	125	153	153	20
Visayas	2026	10	8	16	120	153	153	20
Visayas	2026	10	8	17	114	153	153	20
Visayas	2026	10	8	18	122	153	153	20
Visayas	2026	10	8	19	114	153	153	20
Visayas	2026	10	8	20	111	153	153	20
Visayas	2026	10	8	21	105	153	153	20
Visayas	2026	10	8	22	99	153	153	20
Visayas	2026	10	8	23	92	153	153	20
Visayas	2026	10	8	24	87	153	153	20
Visayas	2026	10	9	1	83	153	153	20
Visayas	2026	10	9	2	80	153	153	20
Visayas	2026	10	9	3	77	153	153	20
Visayas	2026	10	9	4	77	153	153	20
Visayas	2026	10	9	5	78	153	153	20
Visayas	2026	10	9	6	81	153	153	20
Visayas	2026	10	9	7	81	153	153	20
Visayas	2026	10	9	8	95	153	153	20
Visayas	2026	10	9	9	114	153	153	20
Visayas	2026	10	9	10	122	153	153	20
Visayas	2026	10	9	11	127	153	153	20
Visayas	2026	10	9	12	121	153	153	20
Visayas	2026	10	9	13	122	153	153	20
Visayas	2026	10	9	14	125	153	153	20
Visayas	2026	10	9	15	124	153	153	20
Visayas	2026	10	9	16	122	153	153	20
Visayas	2026	10	9	17	113	153	153	20
Visayas	2026	10	9	18	121	153	153	20
Visayas	2026	10	9	19	115	153	153	20
Visayas	2026	10	9	20	111	153	153	20
Visayas	2026	10	9	21	106	153	153	20
Visayas	2026	10	9	22	98	153	153	20
Visayas	2026	10	9	23	93	153	153	20
Visayas	2026	10	9	24	88	153	153	20
Visayas	2026	10	10	1	84	153	153	20
Visayas	2026	10	10	2	80	153	153	20
Visayas	2026	10	10	3	78	153	153	20
Visayas	2026	10	10	4	77	153	153	20
Visayas	2026	10	10	5	76	153	153	20
Visayas	2026	10	10	6	76	153	153	20
Visayas	2026	10	10	7	75	153	153	20
Visayas	2026	10	10	8	83	153	153	20
Visayas	2026	10	10	9	93	153	153	20
Visayas	2026	10	10	10	96	153	153	20
Visayas	2026	10	10	11	104	153	153	20
Visayas	2026	10	10	12	98	153	153	20
Visayas	2026	10	10	13	96	153	153	20
Visayas	2026	10	10	14	99	153	153	20
Visayas	2026	10	10	15	98	153	153	20
Visayas	2026	10	10	16	95	153	153	20
Visayas	2026	10	10	17	98	153	153	20
Visayas	2026	10	10	18	113	153	153	20
Visayas	2026	10	10	19	106	153	153	20
Visayas	2026	10	10	20	102	153	153	20
Visayas	2026	10	10	21	97	153	153	20
Visayas	2026	10	10	22	91	153	153	20
Visayas	2026	10	10	23	86	153	153	20
Visayas	2026	10	10	24	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	11	1	79	153	153	20
Visayas	2026	10	11	2	74	153	153	20
Visayas	2026	10	11	3	71	153	153	20
Visayas	2026	10	11	4	71	153	153	20
Visayas	2026	10	11	5	70	153	153	20
Visayas	2026	10	11	6	69	153	153	20
Visayas	2026	10	11	7	70	153	153	20
Visayas	2026	10	11	8	72	153	153	20
Visayas	2026	10	11	9	78	153	153	20
Visayas	2026	10	11	10	85	153	153	20
Visayas	2026	10	11	11	89	153	153	20
Visayas	2026	10	11	12	89	153	153	20
Visayas	2026	10	11	13	89	153	153	20
Visayas	2026	10	11	14	90	153	153	20
Visayas	2026	10	11	15	89	153	153	20
Visayas	2026	10	11	16	92	153	153	20
Visayas	2026	10	11	17	92	153	153	20
Visayas	2026	10	11	18	109	153	153	20
Visayas	2026	10	11	19	105	153	153	20
Visayas	2026	10	11	20	102	153	153	20
Visayas	2026	10	11	21	99	153	153	20
Visayas	2026	10	11	22	93	153	153	20
Visayas	2026	10	11	23	86	153	153	20
Visayas	2026	10	11	24	81	153	153	20
Visayas	2026	10	12	1	75	153	153	20
Visayas	2026	10	12	2	72	153	153	20
Visayas	2026	10	12	3	69	153	153	20
Visayas	2026	10	12	4	68	153	153	20
Visayas	2026	10	12	5	72	153	153	20
Visayas	2026	10	12	6	78	153	153	20
Visayas	2026	10	12	7	74	153	153	20
Visayas	2026	10	12	8	89	153	153	20
Visayas	2026	10	12	9	109	153	153	20
Visayas	2026	10	12	10	119	153	153	20
Visayas	2026	10	12	11	124	153	153	20
Visayas	2026	10	12	12	118	153	153	20
Visayas	2026	10	12	13	120	153	153	20
Visayas	2026	10	12	14	123	153	153	20
Visayas	2026	10	12	15	123	153	153	20
Visayas	2026	10	12	16	122	153	153	20
Visayas	2026	10	12	17	114	153	153	20
Visayas	2026	10	12	18	122	153	153	20
Visayas	2026	10	12	19	117	153	153	20
Visayas	2026	10	12	20	110	153	153	20
Visayas	2026	10	12	21	106	153	153	20
Visayas	2026	10	12	22	97	153	153	20
Visayas	2026	10	12	23	91	153	153	20
Visayas	2026	10	12	24	86	153	153	20
Visayas	2026	10	13	1	81	153	153	20
Visayas	2026	10	13	2	78	153	153	20
Visayas	2026	10	13	3	75	153	153	20
Visayas	2026	10	13	4	74	153	153	20
Visayas	2026	10	13	5	79	153	153	20
Visayas	2026	10	13	6	82	153	153	20
Visayas	2026	10	13	7	76	153	153	20
Visayas	2026	10	13	8	95	153	153	20
Visayas	2026	10	13	9	111	153	153	20
Visayas	2026	10	13	10	121	153	153	20
Visayas	2026	10	13	11	124	153	153	20
Visayas	2026	10	13	12	120	153	153	20
Visayas	2026	10	13	13	122	153	153	20
Visayas	2026	10	13	14	129	153	153	20
Visayas	2026	10	13	15	127	153	153	20
Visayas	2026	10	13	16	122	153	153	20
Visayas	2026	10	13	17	112	153	153	20
Visayas	2026	10	13	18	119	153	153	20
Visayas	2026	10	13	19	115	153	153	20
Visayas	2026	10	13	20	111	153	153	20
Visayas	2026	10	13	21	106	153	153	20
Visayas	2026	10	13	22	100	153	153	20
Visayas	2026	10	13	23	92	153	153	20
Visayas	2026	10	13	24	86	153	153	20
Visayas	2026	10	14	1	82	153	153	20
Visayas	2026	10	14	2	78	153	153	20
Visayas	2026	10	14	3	75	153	153	20
Visayas	2026	10	14	4	74	153	153	20
Visayas	2026	10	14	5	77	153	153	20
Visayas	2026	10	14	6	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	14	7	78	153	153	20
Visayas	2026	10	14	8	93	153	153	20
Visayas	2026	10	14	9	111	153	153	20
Visayas	2026	10	14	10	121	153	153	20
Visayas	2026	10	14	11	127	153	153	20
Visayas	2026	10	14	12	122	153	153	20
Visayas	2026	10	14	13	123	153	153	20
Visayas	2026	10	14	14	129	153	153	20
Visayas	2026	10	14	15	127	153	153	20
Visayas	2026	10	14	16	124	153	153	20
Visayas	2026	10	14	17	118	153	153	20
Visayas	2026	10	14	18	125	153	153	20
Visayas	2026	10	14	19	119	153	153	20
Visayas	2026	10	14	20	115	153	153	20
Visayas	2026	10	14	21	109	153	153	20
Visayas	2026	10	14	22	102	153	153	20
Visayas	2026	10	14	23	95	153	153	20
Visayas	2026	10	14	24	88	153	153	20
Visayas	2026	10	15	1	85	153	153	20
Visayas	2026	10	15	2	81	153	153	20
Visayas	2026	10	15	3	77	153	153	20
Visayas	2026	10	15	4	76	153	153	20
Visayas	2026	10	15	5	79	153	153	20
Visayas	2026	10	15	6	82	153	153	20
Visayas	2026	10	15	7	79	153	153	20
Visayas	2026	10	15	8	95	153	153	20
Visayas	2026	10	15	9	114	153	153	20
Visayas	2026	10	15	10	123	153	153	20
Visayas	2026	10	15	11	125	153	153	20
Visayas	2026	10	15	12	123	153	153	20
Visayas	2026	10	15	13	123	153	153	20
Visayas	2026	10	15	14	127	153	153	20
Visayas	2026	10	15	15	126	153	153	20
Visayas	2026	10	15	16	123	153	153	20
Visayas	2026	10	15	17	112	153	153	20
Visayas	2026	10	15	18	121	153	153	20
Visayas	2026	10	15	19	112	153	153	20
Visayas	2026	10	15	20	109	153	153	20
Visayas	2026	10	15	21	103	153	153	20
Visayas	2026	10	15	22	98	153	153	20
Visayas	2026	10	15	23	92	153	153	20
Visayas	2026	10	15	24	87	153	153	20
Visayas	2026	10	16	1	82	153	153	20
Visayas	2026	10	16	2	79	153	153	20
Visayas	2026	10	16	3	75	153	153	20
Visayas	2026	10	16	4	74	153	153	20
Visayas	2026	10	16	5	76	153	153	20
Visayas	2026	10	16	6	81	153	153	20
Visayas	2026	10	16	7	79	153	153	20
Visayas	2026	10	16	8	93	153	153	20
Visayas	2026	10	16	9	112	153	153	20
Visayas	2026	10	16	10	119	153	153	20
Visayas	2026	10	16	11	123	153	153	20
Visayas	2026	10	16	12	123	153	153	20
Visayas	2026	10	16	13	122	153	153	20
Visayas	2026	10	16	14	127	153	153	20
Visayas	2026	10	16	15	124	153	153	20
Visayas	2026	10	16	16	121	153	153	20
Visayas	2026	10	16	17	115	153	153	20
Visayas	2026	10	16	18	123	153	153	20
Visayas	2026	10	16	19	116	153	153	20
Visayas	2026	10	16	20	112	153	153	20
Visayas	2026	10	16	21	105	153	153	20
Visayas	2026	10	16	22	101	153	153	20
Visayas	2026	10	16	23	95	153	153	20
Visayas	2026	10	16	24	88	153	153	20
Visayas	2026	10	17	1	60	153	153	20
Visayas	2026	10	17	2	55	153	153	20
Visayas	2026	10	17	3	57	153	153	20
Visayas	2026	10	17	4	58	153	153	20
Visayas	2026	10	17	5	60	153	153	20
Visayas	2026	10	17	6	61	153	153	20
Visayas	2026	10	17	7	63	153	153	20
Visayas	2026	10	17	8	79	153	153	20
Visayas	2026	10	17	9	92	153	153	20
Visayas	2026	10	17	10	100	153	153	20
Visayas	2026	10	17	11	105	153	153	20
Visayas	2026	10	17	12	102	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	17	13	102	153	153	20
Visayas	2026	10	17	14	107	153	153	20
Visayas	2026	10	17	15	104	153	153	20
Visayas	2026	10	17	16	102	153	153	20
Visayas	2026	10	17	17	100	153	153	20
Visayas	2026	10	17	18	110	153	153	20
Visayas	2026	10	17	19	107	153	153	20
Visayas	2026	10	17	20	105	153	153	20
Visayas	2026	10	17	21	100	153	153	20
Visayas	2026	10	17	22	94	153	153	20
Visayas	2026	10	17	23	90	153	153	20
Visayas	2026	10	17	24	86	153	153	20
Visayas	2026	10	18	1	81	153	153	20
Visayas	2026	10	18	2	79	153	153	20
Visayas	2026	10	18	3	73	153	153	20
Visayas	2026	10	18	4	71	153	153	20
Visayas	2026	10	18	5	71	153	153	20
Visayas	2026	10	18	6	71	153	153	20
Visayas	2026	10	18	7	70	153	153	20
Visayas	2026	10	18	8	75	153	153	20
Visayas	2026	10	18	9	83	153	153	20
Visayas	2026	10	18	10	88	153	153	20
Visayas	2026	10	18	11	90	153	153	20
Visayas	2026	10	18	12	90	153	153	20
Visayas	2026	10	18	13	90	153	153	20
Visayas	2026	10	18	14	92	153	153	20
Visayas	2026	10	18	15	92	153	153	20
Visayas	2026	10	18	16	86	153	153	20
Visayas	2026	10	18	17	89	153	153	20
Visayas	2026	10	18	18	97	153	153	20
Visayas	2026	10	18	19	95	153	153	20
Visayas	2026	10	18	20	95	153	153	20
Visayas	2026	10	18	21	90	153	153	20
Visayas	2026	10	18	22	87	153	153	20
Visayas	2026	10	18	23	81	153	153	20
Visayas	2026	10	18	24	76	153	153	20
Visayas	2026	10	19	1	73	153	153	20
Visayas	2026	10	19	2	71	153	153	20
Visayas	2026	10	19	3	67	153	153	20
Visayas	2026	10	19	4	67	153	153	20
Visayas	2026	10	19	5	71	153	153	20
Visayas	2026	10	19	6	76	153	153	20
Visayas	2026	10	19	7	71	153	153	20
Visayas	2026	10	19	8	86	153	153	20
Visayas	2026	10	19	9	103	153	153	20
Visayas	2026	10	19	10	116	153	153	20
Visayas	2026	10	19	11	119	153	153	20
Visayas	2026	10	19	12	112	153	153	20
Visayas	2026	10	19	13	112	153	153	20
Visayas	2026	10	19	14	117	153	153	20
Visayas	2026	10	19	15	115	153	153	20
Visayas	2026	10	19	16	113	153	153	20
Visayas	2026	10	19	17	106	153	153	20
Visayas	2026	10	19	18	116	153	153	20
Visayas	2026	10	19	19	109	153	153	20
Visayas	2026	10	19	20	102	153	153	20
Visayas	2026	10	19	21	98	153	153	20
Visayas	2026	10	19	22	90	153	153	20
Visayas	2026	10	19	23	85	153	153	20
Visayas	2026	10	19	24	80	153	153	20
Visayas	2026	10	20	1	76	153	153	20
Visayas	2026	10	20	2	74	153	153	20
Visayas	2026	10	20	3	71	153	153	20
Visayas	2026	10	20	4	70	153	153	20
Visayas	2026	10	20	5	74	153	153	20
Visayas	2026	10	20	6	80	153	153	20
Visayas	2026	10	20	7	76	153	153	20
Visayas	2026	10	20	8	90	153	153	20
Visayas	2026	10	20	9	105	153	153	20
Visayas	2026	10	20	10	115	153	153	20
Visayas	2026	10	20	11	120	153	153	20
Visayas	2026	10	20	12	115	153	153	20
Visayas	2026	10	20	13	117	153	153	20
Visayas	2026	10	20	14	121	153	153	20
Visayas	2026	10	20	15	119	153	153	20
Visayas	2026	10	20	16	115	153	153	20
Visayas	2026	10	20	17	113	153	153	20
Visayas	2026	10	20	18	120	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	20	19	111	153	153	20
Visayas	2026	10	20	20	106	153	153	20
Visayas	2026	10	20	21	101	153	153	20
Visayas	2026	10	20	22	93	153	153	20
Visayas	2026	10	20	23	87	153	153	20
Visayas	2026	10	20	24	82	153	153	20
Visayas	2026	10	21	1	79	153	153	20
Visayas	2026	10	21	2	75	153	153	20
Visayas	2026	10	21	3	73	153	153	20
Visayas	2026	10	21	4	71	153	153	20
Visayas	2026	10	21	5	75	153	153	20
Visayas	2026	10	21	6	80	153	153	20
Visayas	2026	10	21	7	75	153	153	20
Visayas	2026	10	21	8	91	153	153	20
Visayas	2026	10	21	9	106	153	153	20
Visayas	2026	10	21	10	115	153	153	20
Visayas	2026	10	21	11	118	153	153	20
Visayas	2026	10	21	12	117	153	153	20
Visayas	2026	10	21	13	119	153	153	20
Visayas	2026	10	21	14	124	153	153	20
Visayas	2026	10	21	15	121	153	153	20
Visayas	2026	10	21	16	119	153	153	20
Visayas	2026	10	21	17	115	153	153	20
Visayas	2026	10	21	18	122	153	153	20
Visayas	2026	10	21	19	115	153	153	20
Visayas	2026	10	21	20	110	153	153	20
Visayas	2026	10	21	21	104	153	153	20
Visayas	2026	10	21	22	97	153	153	20
Visayas	2026	10	21	23	90	153	153	20
Visayas	2026	10	21	24	84	153	153	20
Visayas	2026	10	22	1	81	153	153	20
Visayas	2026	10	22	2	78	153	153	20
Visayas	2026	10	22	3	74	153	153	20
Visayas	2026	10	22	4	73	153	153	20
Visayas	2026	10	22	5	76	153	153	20
Visayas	2026	10	22	6	81	153	153	20
Visayas	2026	10	22	7	77	153	153	20
Visayas	2026	10	22	8	89	153	153	20
Visayas	2026	10	22	9	103	153	153	20
Visayas	2026	10	22	10	113	153	153	20
Visayas	2026	10	22	11	115	153	153	20
Visayas	2026	10	22	12	110	153	153	20
Visayas	2026	10	22	13	111	153	153	20
Visayas	2026	10	22	14	118	153	153	20
Visayas	2026	10	22	15	116	153	153	20
Visayas	2026	10	22	16	114	153	153	20
Visayas	2026	10	22	17	110	153	153	20
Visayas	2026	10	22	18	119	153	153	20
Visayas	2026	10	22	19	110	153	153	20
Visayas	2026	10	22	20	105	153	153	20
Visayas	2026	10	22	21	98	153	153	20
Visayas	2026	10	22	22	91	153	153	20
Visayas	2026	10	22	23	86	153	153	20
Visayas	2026	10	22	24	81	153	153	20
Visayas	2026	10	23	1	76	153	153	20
Visayas	2026	10	23	2	74	153	153	20
Visayas	2026	10	23	3	72	153	153	20
Visayas	2026	10	23	4	70	153	153	20
Visayas	2026	10	23	5	73	153	153	20
Visayas	2026	10	23	6	78	153	153	20
Visayas	2026	10	23	7	78	153	153	20
Visayas	2026	10	23	8	92	153	153	20
Visayas	2026	10	23	9	109	153	153	20
Visayas	2026	10	23	10	119	153	153	20
Visayas	2026	10	23	11	124	153	153	20
Visayas	2026	10	23	12	120	153	153	20
Visayas	2026	10	23	13	121	153	153	20
Visayas	2026	10	23	14	127	153	153	20
Visayas	2026	10	23	15	127	153	153	20
Visayas	2026	10	23	16	121	153	153	20
Visayas	2026	10	23	17	112	153	153	20
Visayas	2026	10	23	18	125	153	153	20
Visayas	2026	10	23	19	116	153	153	20
Visayas	2026	10	23	20	111	153	153	20
Visayas	2026	10	23	21	107	153	153	20
Visayas	2026	10	23	22	101	153	153	20
Visayas	2026	10	23	23	94	153	153	20
Visayas	2026	10	23	24	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	24	1	86	153	153	20
Visayas	2026	10	24	2	81	153	153	20
Visayas	2026	10	24	3	77	153	153	20
Visayas	2026	10	24	4	76	153	153	20
Visayas	2026	10	24	5	72	153	153	20
Visayas	2026	10	24	6	76	153	153	20
Visayas	2026	10	24	7	73	153	153	20
Visayas	2026	10	24	8	83	153	153	20
Visayas	2026	10	24	9	96	153	153	20
Visayas	2026	10	24	10	104	153	153	20
Visayas	2026	10	24	11	110	153	153	20
Visayas	2026	10	24	12	107	153	153	20
Visayas	2026	10	24	13	109	153	153	20
Visayas	2026	10	24	14	112	153	153	20
Visayas	2026	10	24	15	110	153	153	20
Visayas	2026	10	24	16	105	153	153	20
Visayas	2026	10	24	17	102	153	153	20
Visayas	2026	10	24	18	118	153	153	20
Visayas	2026	10	24	19	113	153	153	20
Visayas	2026	10	24	20	109	153	153	20
Visayas	2026	10	24	21	104	153	153	20
Visayas	2026	10	24	22	98	153	153	20
Visayas	2026	10	24	23	90	153	153	20
Visayas	2026	10	24	24	85	153	153	20
Visayas	2026	10	25	1	81	153	153	20
Visayas	2026	10	25	2	78	153	153	20
Visayas	2026	10	25	3	74	153	153	20
Visayas	2026	10	25	4	73	153	153	20
Visayas	2026	10	25	5	73	153	153	20
Visayas	2026	10	25	6	71	153	153	20
Visayas	2026	10	25	7	70	153	153	20
Visayas	2026	10	25	8	75	153	153	20
Visayas	2026	10	25	9	82	153	153	20
Visayas	2026	10	25	10	87	153	153	20
Visayas	2026	10	25	11	90	153	153	20
Visayas	2026	10	25	12	88	153	153	20
Visayas	2026	10	25	13	89	153	153	20
Visayas	2026	10	25	14	90	153	153	20
Visayas	2026	10	25	15	89	153	153	20
Visayas	2026	10	25	16	90	153	153	20
Visayas	2026	10	25	17	93	153	153	20
Visayas	2026	10	25	18	109	153	153	20
Visayas	2026	10	25	19	105	153	153	20
Visayas	2026	10	25	20	103	153	153	20
Visayas	2026	10	25	21	98	153	153	20
Visayas	2026	10	25	22	91	153	153	20
Visayas	2026	10	25	23	83	153	153	20
Visayas	2026	10	25	24	79	153	153	20
Visayas	2026	10	26	1	75	153	153	20
Visayas	2026	10	26	2	71	153	153	20
Visayas	2026	10	26	3	70	153	153	20
Visayas	2026	10	26	4	68	153	153	20
Visayas	2026	10	26	5	74	153	153	20
Visayas	2026	10	26	6	77	153	153	20
Visayas	2026	10	26	7	73	153	153	20
Visayas	2026	10	26	8	87	153	153	20
Visayas	2026	10	26	9	105	153	153	20
Visayas	2026	10	26	10	118	153	153	20
Visayas	2026	10	26	11	121	153	153	20
Visayas	2026	10	26	12	117	153	153	20
Visayas	2026	10	26	13	117	153	153	20
Visayas	2026	10	26	14	122	153	153	20
Visayas	2026	10	26	15	121	153	153	20
Visayas	2026	10	26	16	118	153	153	20
Visayas	2026	10	26	17	111	153	153	20
Visayas	2026	10	26	18	120	153	153	20
Visayas	2026	10	26	19	111	153	153	20
Visayas	2026	10	26	20	106	153	153	20
Visayas	2026	10	26	21	100	153	153	20
Visayas	2026	10	26	22	95	153	153	20
Visayas	2026	10	26	23	86	153	153	20
Visayas	2026	10	26	24	82	153	153	20
Visayas	2026	10	27	1	77	153	153	20
Visayas	2026	10	27	2	74	153	153	20
Visayas	2026	10	27	3	72	153	153	20
Visayas	2026	10	27	4	71	153	153	20
Visayas	2026	10	27	5	74	153	153	20
Visayas	2026	10	27	6	80	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	27	7	75	153	153	20
Visayas	2026	10	27	8	89	153	153	20
Visayas	2026	10	27	9	105	153	153	20
Visayas	2026	10	27	10	116	153	153	20
Visayas	2026	10	27	11	117	153	153	20
Visayas	2026	10	27	12	109	153	153	20
Visayas	2026	10	27	13	109	153	153	20
Visayas	2026	10	27	14	115	153	153	20
Visayas	2026	10	27	15	115	153	153	20
Visayas	2026	10	27	16	113	153	153	20
Visayas	2026	10	27	17	110	153	153	20
Visayas	2026	10	27	18	120	153	153	20
Visayas	2026	10	27	19	111	153	153	20
Visayas	2026	10	27	20	106	153	153	20
Visayas	2026	10	27	21	99	153	153	20
Visayas	2026	10	27	22	91	153	153	20
Visayas	2026	10	27	23	85	153	153	20
Visayas	2026	10	27	24	80	153	153	20
Visayas	2026	10	28	1	77	153	153	20
Visayas	2026	10	28	2	73	153	153	20
Visayas	2026	10	28	3	71	153	153	20
Visayas	2026	10	28	4	70	153	153	20
Visayas	2026	10	28	5	74	153	153	20
Visayas	2026	10	28	6	79	153	153	20
Visayas	2026	10	28	7	75	153	153	20
Visayas	2026	10	28	8	85	153	153	20
Visayas	2026	10	28	9	99	153	153	20
Visayas	2026	10	28	10	105	153	153	20
Visayas	2026	10	28	11	106	153	153	20
Visayas	2026	10	28	12	104	153	153	20
Visayas	2026	10	28	13	99	153	153	20
Visayas	2026	10	28	14	103	153	153	20
Visayas	2026	10	28	15	104	153	153	20
Visayas	2026	10	28	16	102	153	153	20
Visayas	2026	10	28	17	103	153	153	20
Visayas	2026	10	28	18	108	153	153	20
Visayas	2026	10	28	19	101	153	153	20
Visayas	2026	10	28	20	96	153	153	20
Visayas	2026	10	28	21	89	153	153	20
Visayas	2026	10	28	22	83	153	153	20
Visayas	2026	10	28	23	78	153	153	20
Visayas	2026	10	28	24	73	153	153	20
Visayas	2026	10	29	1	71	153	153	20
Visayas	2026	10	29	2	68	153	153	20
Visayas	2026	10	29	3	67	153	153	20
Visayas	2026	10	29	4	66	153	153	20
Visayas	2026	10	29	5	69	153	153	20
Visayas	2026	10	29	6	76	153	153	20
Visayas	2026	10	29	7	73	153	153	20
Visayas	2026	10	29	8	85	153	153	20
Visayas	2026	10	29	9	103	153	153	20
Visayas	2026	10	29	10	111	153	153	20
Visayas	2026	10	29	11	115	153	153	20
Visayas	2026	10	29	12	111	153	153	20
Visayas	2026	10	29	13	112	153	153	20
Visayas	2026	10	29	14	117	153	153	20
Visayas	2026	10	29	15	117	153	153	20
Visayas	2026	10	29	16	115	153	153	20
Visayas	2026	10	29	17	110	153	153	20
Visayas	2026	10	29	18	120	153	153	20
Visayas	2026	10	29	19	109	153	153	20
Visayas	2026	10	29	20	104	153	153	20
Visayas	2026	10	29	21	98	153	153	20
Visayas	2026	10	29	22	91	153	153	20
Visayas	2026	10	29	23	84	153	153	20
Visayas	2026	10	29	24	79	153	153	20
Visayas	2026	10	30	1	76	153	153	20
Visayas	2026	10	30	2	72	153	153	20
Visayas	2026	10	30	3	71	153	153	20
Visayas	2026	10	30	4	67	153	153	20
Visayas	2026	10	30	5	69	153	153	20
Visayas	2026	10	30	6	74	153	153	20
Visayas	2026	10	30	7	76	153	153	20
Visayas	2026	10	30	8	83	153	153	20
Visayas	2026	10	30	9	94	153	153	20
Visayas	2026	10	30	10	101	153	153	20
Visayas	2026	10	30	11	100	153	153	20
Visayas	2026	10	30	12	94	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	10	30	13	94	153	153	20
Visayas	2026	10	30	14	95	153	153	20
Visayas	2026	10	30	15	93	153	153	20
Visayas	2026	10	30	16	94	153	153	20
Visayas	2026	10	30	17	97	153	153	20
Visayas	2026	10	30	18	97	153	153	20
Visayas	2026	10	30	19	91	153	153	20
Visayas	2026	10	30	20	86	153	153	20
Visayas	2026	10	30	21	81	153	153	20
Visayas	2026	10	30	22	74	153	153	20
Visayas	2026	10	30	23	68	153	153	20
Visayas	2026	10	30	24	63	153	153	20
Visayas	2026	10	31	1	58	153	153	20
Visayas	2026	10	31	2	54	153	153	20
Visayas	2026	10	31	3	53	153	153	20
Visayas	2026	10	31	4	54	153	153	20
Visayas	2026	10	31	5	55	153	153	20
Visayas	2026	10	31	6	57	153	153	20
Visayas	2026	10	31	7	60	153	153	20
Visayas	2026	10	31	8	62	153	153	20
Visayas	2026	10	31	9	68	153	153	20
Visayas	2026	10	31	10	72	153	153	20
Visayas	2026	10	31	11	74	153	153	20
Visayas	2026	10	31	12	72	153	153	20
Visayas	2026	10	31	13	70	153	153	20
Visayas	2026	10	31	14	73	153	153	20
Visayas	2026	10	31	15	75	153	153	20
Visayas	2026	10	31	16	76	153	153	20
Visayas	2026	10	31	17	79	153	153	20
Visayas	2026	10	31	18	93	153	153	20
Visayas	2026	10	31	19	86	153	153	20
Visayas	2026	10	31	20	82	153	153	20
Visayas	2026	10	31	21	79	153	153	20
Visayas	2026	10	31	22	73	153	153	20
Visayas	2026	10	31	23	68	153	153	20
Visayas	2026	10	31	24	66	153	153	20
Visayas	2026	11	1	1	70	153	153	20
Visayas	2026	11	1	2	68	153	153	20
Visayas	2026	11	1	3	65	153	153	20
Visayas	2026	11	1	4	64	153	153	20
Visayas	2026	11	1	5	64	153	153	20
Visayas	2026	11	1	6	65	153	153	20
Visayas	2026	11	1	7	66	153	153	20
Visayas	2026	11	1	8	69	153	153	20
Visayas	2026	11	1	9	75	153	153	20
Visayas	2026	11	1	10	83	153	153	20
Visayas	2026	11	1	11	86	153	153	20
Visayas	2026	11	1	12	85	153	153	20
Visayas	2026	11	1	13	87	153	153	20
Visayas	2026	11	1	14	87	153	153	20
Visayas	2026	11	1	15	86	153	153	20
Visayas	2026	11	1	16	84	153	153	20
Visayas	2026	11	1	17	86	153	153	20
Visayas	2026	11	1	18	97	153	153	20
Visayas	2026	11	1	19	94	153	153	20
Visayas	2026	11	1	20	93	153	153	20
Visayas	2026	11	1	21	92	153	153	20
Visayas	2026	11	1	22	88	153	153	20
Visayas	2026	11	1	23	83	153	153	20
Visayas	2026	11	1	24	79	153	153	20
Visayas	2026	11	2	1	69	153	153	20
Visayas	2026	11	2	2	66	153	153	20
Visayas	2026	11	2	3	64	153	153	20
Visayas	2026	11	2	4	63	153	153	20
Visayas	2026	11	2	5	61	153	153	20
Visayas	2026	11	2	6	62	153	153	20
Visayas	2026	11	2	7	65	153	153	20
Visayas	2026	11	2	8	71	153	153	20
Visayas	2026	11	2	9	81	153	153	20
Visayas	2026	11	2	10	88	153	153	20
Visayas	2026	11	2	11	91	153	153	20
Visayas	2026	11	2	12	91	153	153	20
Visayas	2026	11	2	13	91	153	153	20
Visayas	2026	11	2	14	93	153	153	20
Visayas	2026	11	2	15	92	153	153	20
Visayas	2026	11	2	16	91	153	153	20
Visayas	2026	11	2	17	91	153	153	20
Visayas	2026	11	2	18	104	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	2	19	98	153	153	20
Visayas	2026	11	2	20	97	153	153	20
Visayas	2026	11	2	21	91	153	153	20
Visayas	2026	11	2	22	86	153	153	20
Visayas	2026	11	2	23	79	153	153	20
Visayas	2026	11	2	24	75	153	153	20
Visayas	2026	11	3	1	83	153	153	20
Visayas	2026	11	3	2	80	153	153	20
Visayas	2026	11	3	3	76	153	153	20
Visayas	2026	11	3	4	75	153	153	20
Visayas	2026	11	3	5	79	153	153	20
Visayas	2026	11	3	6	82	153	153	20
Visayas	2026	11	3	7	77	153	153	20
Visayas	2026	11	3	8	92	153	153	20
Visayas	2026	11	3	9	110	153	153	20
Visayas	2026	11	3	10	118	153	153	20
Visayas	2026	11	3	11	123	153	153	20
Visayas	2026	11	3	12	118	153	153	20
Visayas	2026	11	3	13	120	153	153	20
Visayas	2026	11	3	14	124	153	153	20
Visayas	2026	11	3	15	123	153	153	20
Visayas	2026	11	3	16	120	153	153	20
Visayas	2026	11	3	17	113	153	153	20
Visayas	2026	11	3	18	123	153	153	20
Visayas	2026	11	3	19	114	153	153	20
Visayas	2026	11	3	20	110	153	153	20
Visayas	2026	11	3	21	104	153	153	20
Visayas	2026	11	3	22	98	153	153	20
Visayas	2026	11	3	23	93	153	153	20
Visayas	2026	11	3	24	87	153	153	20
Visayas	2026	11	4	1	73	153	153	20
Visayas	2026	11	4	2	70	153	153	20
Visayas	2026	11	4	3	67	153	153	20
Visayas	2026	11	4	4	66	153	153	20
Visayas	2026	11	4	5	68	153	153	20
Visayas	2026	11	4	6	73	153	153	20
Visayas	2026	11	4	7	69	153	153	20
Visayas	2026	11	4	8	82	153	153	20
Visayas	2026	11	4	9	96	153	153	20
Visayas	2026	11	4	10	102	153	153	20
Visayas	2026	11	4	11	108	153	153	20
Visayas	2026	11	4	12	106	153	153	20
Visayas	2026	11	4	13	100	153	153	20
Visayas	2026	11	4	14	101	153	153	20
Visayas	2026	11	4	15	101	153	153	20
Visayas	2026	11	4	16	100	153	153	20
Visayas	2026	11	4	17	101	153	153	20
Visayas	2026	11	4	18	111	153	153	20
Visayas	2026	11	4	19	101	153	153	20
Visayas	2026	11	4	20	97	153	153	20
Visayas	2026	11	4	21	92	153	153	20
Visayas	2026	11	4	22	84	153	153	20
Visayas	2026	11	4	23	78	153	153	20
Visayas	2026	11	4	24	73	153	153	20
Visayas	2026	11	5	1	70	153	153	20
Visayas	2026	11	5	2	67	153	153	20
Visayas	2026	11	5	3	66	153	153	20
Visayas	2026	11	5	4	65	153	153	20
Visayas	2026	11	5	5	68	153	153	20
Visayas	2026	11	5	6	74	153	153	20
Visayas	2026	11	5	7	69	153	153	20
Visayas	2026	11	5	8	84	153	153	20
Visayas	2026	11	5	9	100	153	153	20
Visayas	2026	11	5	10	111	153	153	20
Visayas	2026	11	5	11	117	153	153	20
Visayas	2026	11	5	12	114	153	153	20
Visayas	2026	11	5	13	115	153	153	20
Visayas	2026	11	5	14	123	153	153	20
Visayas	2026	11	5	15	122	153	153	20
Visayas	2026	11	5	16	117	153	153	20
Visayas	2026	11	5	17	113	153	153	20
Visayas	2026	11	5	18	120	153	153	20
Visayas	2026	11	5	19	113	153	153	20
Visayas	2026	11	5	20	108	153	153	20
Visayas	2026	11	5	21	101	153	153	20
Visayas	2026	11	5	22	94	153	153	20
Visayas	2026	11	5	23	87	153	153	20
Visayas	2026	11	5	24	82	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	6	1	79	153	153	20
Visayas	2026	11	6	2	76	153	153	20
Visayas	2026	11	6	3	73	153	153	20
Visayas	2026	11	6	4	72	153	153	20
Visayas	2026	11	6	5	75	153	153	20
Visayas	2026	11	6	6	79	153	153	20
Visayas	2026	11	6	7	75	153	153	20
Visayas	2026	11	6	8	85	153	153	20
Visayas	2026	11	6	9	101	153	153	20
Visayas	2026	11	6	10	110	153	153	20
Visayas	2026	11	6	11	113	153	153	20
Visayas	2026	11	6	12	112	153	153	20
Visayas	2026	11	6	13	113	153	153	20
Visayas	2026	11	6	14	120	153	153	20
Visayas	2026	11	6	15	121	153	153	20
Visayas	2026	11	6	16	119	153	153	20
Visayas	2026	11	6	17	110	153	153	20
Visayas	2026	11	6	18	123	153	153	20
Visayas	2026	11	6	19	113	153	153	20
Visayas	2026	11	6	20	108	153	153	20
Visayas	2026	11	6	21	101	153	153	20
Visayas	2026	11	6	22	94	153	153	20
Visayas	2026	11	6	23	88	153	153	20
Visayas	2026	11	6	24	84	153	153	20
Visayas	2026	11	7	1	79	153	153	20
Visayas	2026	11	7	2	76	153	153	20
Visayas	2026	11	7	3	73	153	153	20
Visayas	2026	11	7	4	72	153	153	20
Visayas	2026	11	7	5	71	153	153	20
Visayas	2026	11	7	6	74	153	153	20
Visayas	2026	11	7	7	72	153	153	20
Visayas	2026	11	7	8	85	153	153	20
Visayas	2026	11	7	9	98	153	153	20
Visayas	2026	11	7	10	106	153	153	20
Visayas	2026	11	7	11	109	153	153	20
Visayas	2026	11	7	12	109	153	153	20
Visayas	2026	11	7	13	109	153	153	20
Visayas	2026	11	7	14	115	153	153	20
Visayas	2026	11	7	15	111	153	153	20
Visayas	2026	11	7	16	109	153	153	20
Visayas	2026	11	7	17	105	153	153	20
Visayas	2026	11	7	18	119	153	153	20
Visayas	2026	11	7	19	111	153	153	20
Visayas	2026	11	7	20	106	153	153	20
Visayas	2026	11	7	21	102	153	153	20
Visayas	2026	11	7	22	95	153	153	20
Visayas	2026	11	7	23	89	153	153	20
Visayas	2026	11	7	24	84	153	153	20
Visayas	2026	11	8	1	80	153	153	20
Visayas	2026	11	8	2	76	153	153	20
Visayas	2026	11	8	3	73	153	153	20
Visayas	2026	11	8	4	73	153	153	20
Visayas	2026	11	8	5	71	153	153	20
Visayas	2026	11	8	6	72	153	153	20
Visayas	2026	11	8	7	68	153	153	20
Visayas	2026	11	8	8	75	153	153	20
Visayas	2026	11	8	9	83	153	153	20
Visayas	2026	11	8	10	87	153	153	20
Visayas	2026	11	8	11	91	153	153	20
Visayas	2026	11	8	12	93	153	153	20
Visayas	2026	11	8	13	95	153	153	20
Visayas	2026	11	8	14	94	153	153	20
Visayas	2026	11	8	15	92	153	153	20
Visayas	2026	11	8	16	89	153	153	20
Visayas	2026	11	8	17	93	153	153	20
Visayas	2026	11	8	18	112	153	153	20
Visayas	2026	11	8	19	107	153	153	20
Visayas	2026	11	8	20	101	153	153	20
Visayas	2026	11	8	21	99	153	153	20
Visayas	2026	11	8	22	92	153	153	20
Visayas	2026	11	8	23	86	153	153	20
Visayas	2026	11	8	24	81	153	153	20
Visayas	2026	11	9	1	78	153	153	20
Visayas	2026	11	9	2	73	153	153	20
Visayas	2026	11	9	3	70	153	153	20
Visayas	2026	11	9	4	70	153	153	20
Visayas	2026	11	9	5	75	153	153	20
Visayas	2026	11	9	6	80	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	9	7	73	153	153	20
Visayas	2026	11	9	8	89	153	153	20
Visayas	2026	11	9	9	108	153	153	20
Visayas	2026	11	9	10	117	153	153	20
Visayas	2026	11	9	11	122	153	153	20
Visayas	2026	11	9	12	120	153	153	20
Visayas	2026	11	9	13	119	153	153	20
Visayas	2026	11	9	14	127	153	153	20
Visayas	2026	11	9	15	126	153	153	20
Visayas	2026	11	9	16	122	153	153	20
Visayas	2026	11	9	17	117	153	153	20
Visayas	2026	11	9	18	126	153	153	20
Visayas	2026	11	9	19	117	153	153	20
Visayas	2026	11	9	20	111	153	153	20
Visayas	2026	11	9	21	106	153	153	20
Visayas	2026	11	9	22	99	153	153	20
Visayas	2026	11	9	23	93	153	153	20
Visayas	2026	11	9	24	88	153	153	20
Visayas	2026	11	10	1	83	153	153	20
Visayas	2026	11	10	2	80	153	153	20
Visayas	2026	11	10	3	76	153	153	20
Visayas	2026	11	10	4	75	153	153	20
Visayas	2026	11	10	5	79	153	153	20
Visayas	2026	11	10	6	82	153	153	20
Visayas	2026	11	10	7	77	153	153	20
Visayas	2026	11	10	8	92	153	153	20
Visayas	2026	11	10	9	110	153	153	20
Visayas	2026	11	10	10	118	153	153	20
Visayas	2026	11	10	11	123	153	153	20
Visayas	2026	11	10	12	118	153	153	20
Visayas	2026	11	10	13	120	153	153	20
Visayas	2026	11	10	14	124	153	153	20
Visayas	2026	11	10	15	123	153	153	20
Visayas	2026	11	10	16	120	153	153	20
Visayas	2026	11	10	17	113	153	153	20
Visayas	2026	11	10	18	123	153	153	20
Visayas	2026	11	10	19	114	153	153	20
Visayas	2026	11	10	20	110	153	153	20
Visayas	2026	11	10	21	104	153	153	20
Visayas	2026	11	10	22	98	153	153	20
Visayas	2026	11	10	23	93	153	153	20
Visayas	2026	11	10	24	87	153	153	20
Visayas	2026	11	11	1	83	153	153	20
Visayas	2026	11	11	2	79	153	153	20
Visayas	2026	11	11	3	77	153	153	20
Visayas	2026	11	11	4	75	153	153	20
Visayas	2026	11	11	5	78	153	153	20
Visayas	2026	11	11	6	82	153	153	20
Visayas	2026	11	11	7	76	153	153	20
Visayas	2026	11	11	8	90	153	153	20
Visayas	2026	11	11	9	108	153	153	20
Visayas	2026	11	11	10	116	153	153	20
Visayas	2026	11	11	11	121	153	153	20
Visayas	2026	11	11	12	117	153	153	20
Visayas	2026	11	11	13	115	153	153	20
Visayas	2026	11	11	14	121	153	153	20
Visayas	2026	11	11	15	118	153	153	20
Visayas	2026	11	11	16	117	153	153	20
Visayas	2026	11	11	17	115	153	153	20
Visayas	2026	11	11	18	122	153	153	20
Visayas	2026	11	11	19	113	153	153	20
Visayas	2026	11	11	20	108	153	153	20
Visayas	2026	11	11	21	104	153	153	20
Visayas	2026	11	11	22	96	153	153	20
Visayas	2026	11	11	23	87	153	153	20
Visayas	2026	11	11	24	82	153	153	20
Visayas	2026	11	12	1	80	153	153	20
Visayas	2026	11	12	2	77	153	153	20
Visayas	2026	11	12	3	73	153	153	20
Visayas	2026	11	12	4	73	153	153	20
Visayas	2026	11	12	5	76	153	153	20
Visayas	2026	11	12	6	83	153	153	20
Visayas	2026	11	12	7	76	153	153	20
Visayas	2026	11	12	8	89	153	153	20
Visayas	2026	11	12	9	105	153	153	20
Visayas	2026	11	12	10	114	153	153	20
Visayas	2026	11	12	11	117	153	153	20
Visayas	2026	11	12	12	115	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	12	13	115	153	153	20
Visayas	2026	11	12	14	122	153	153	20
Visayas	2026	11	12	15	120	153	153	20
Visayas	2026	11	12	16	117	153	153	20
Visayas	2026	11	12	17	111	153	153	20
Visayas	2026	11	12	18	121	153	153	20
Visayas	2026	11	12	19	114	153	153	20
Visayas	2026	11	12	20	107	153	153	20
Visayas	2026	11	12	21	101	153	153	20
Visayas	2026	11	12	22	94	153	153	20
Visayas	2026	11	12	23	89	153	153	20
Visayas	2026	11	12	24	83	153	153	20
Visayas	2026	11	13	1	79	153	153	20
Visayas	2026	11	13	2	76	153	153	20
Visayas	2026	11	13	3	73	153	153	20
Visayas	2026	11	13	4	72	153	153	20
Visayas	2026	11	13	5	75	153	153	20
Visayas	2026	11	13	6	81	153	153	20
Visayas	2026	11	13	7	76	153	153	20
Visayas	2026	11	13	8	88	153	153	20
Visayas	2026	11	13	9	106	153	153	20
Visayas	2026	11	13	10	115	153	153	20
Visayas	2026	11	13	11	118	153	153	20
Visayas	2026	11	13	12	118	153	153	20
Visayas	2026	11	13	13	116	153	153	20
Visayas	2026	11	13	14	123	153	153	20
Visayas	2026	11	13	15	121	153	153	20
Visayas	2026	11	13	16	116	153	153	20
Visayas	2026	11	13	17	112	153	153	20
Visayas	2026	11	13	18	122	153	153	20
Visayas	2026	11	13	19	114	153	153	20
Visayas	2026	11	13	20	109	153	153	20
Visayas	2026	11	13	21	104	153	153	20
Visayas	2026	11	13	22	97	153	153	20
Visayas	2026	11	13	23	90	153	153	20
Visayas	2026	11	13	24	86	153	153	20
Visayas	2026	11	14	1	82	153	153	20
Visayas	2026	11	14	2	79	153	153	20
Visayas	2026	11	14	3	76	153	153	20
Visayas	2026	11	14	4	73	153	153	20
Visayas	2026	11	14	5	71	153	153	20
Visayas	2026	11	14	6	72	153	153	20
Visayas	2026	11	14	7	73	153	153	20
Visayas	2026	11	14	8	82	153	153	20
Visayas	2026	11	14	9	93	153	153	20
Visayas	2026	11	14	10	104	153	153	20
Visayas	2026	11	14	11	107	153	153	20
Visayas	2026	11	14	12	107	153	153	20
Visayas	2026	11	14	13	107	153	153	20
Visayas	2026	11	14	14	114	153	153	20
Visayas	2026	11	14	15	111	153	153	20
Visayas	2026	11	14	16	110	153	153	20
Visayas	2026	11	14	17	104	153	153	20
Visayas	2026	11	14	18	117	153	153	20
Visayas	2026	11	14	19	113	153	153	20
Visayas	2026	11	14	20	108	153	153	20
Visayas	2026	11	14	21	105	153	153	20
Visayas	2026	11	14	22	97	153	153	20
Visayas	2026	11	14	23	93	153	153	20
Visayas	2026	11	14	24	87	153	153	20
Visayas	2026	11	15	1	83	153	153	20
Visayas	2026	11	15	2	79	153	153	20
Visayas	2026	11	15	3	76	153	153	20
Visayas	2026	11	15	4	74	153	153	20
Visayas	2026	11	15	5	74	153	153	20
Visayas	2026	11	15	6	72	153	153	20
Visayas	2026	11	15	7	70	153	153	20
Visayas	2026	11	15	8	75	153	153	20
Visayas	2026	11	15	9	85	153	153	20
Visayas	2026	11	15	10	90	153	153	20
Visayas	2026	11	15	11	95	153	153	20
Visayas	2026	11	15	12	94	153	153	20
Visayas	2026	11	15	13	95	153	153	20
Visayas	2026	11	15	14	99	153	153	20
Visayas	2026	11	15	15	95	153	153	20
Visayas	2026	11	15	16	93	153	153	20
Visayas	2026	11	15	17	94	153	153	20
Visayas	2026	11	15	18	110	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	15	19	108	153	153	20
Visayas	2026	11	15	20	104	153	153	20
Visayas	2026	11	15	21	102	153	153	20
Visayas	2026	11	15	22	94	153	153	20
Visayas	2026	11	15	23	88	153	153	20
Visayas	2026	11	15	24	82	153	153	20
Visayas	2026	11	16	1	78	153	153	20
Visayas	2026	11	16	2	74	153	153	20
Visayas	2026	11	16	3	71	153	153	20
Visayas	2026	11	16	4	69	153	153	20
Visayas	2026	11	16	5	75	153	153	20
Visayas	2026	11	16	6	80	153	153	20
Visayas	2026	11	16	7	74	153	153	20
Visayas	2026	11	16	8	88	153	153	20
Visayas	2026	11	16	9	108	153	153	20
Visayas	2026	11	16	10	118	153	153	20
Visayas	2026	11	16	11	120	153	153	20
Visayas	2026	11	16	12	116	153	153	20
Visayas	2026	11	16	13	121	153	153	20
Visayas	2026	11	16	14	124	153	153	20
Visayas	2026	11	16	15	123	153	153	20
Visayas	2026	11	16	16	120	153	153	20
Visayas	2026	11	16	17	114	153	153	20
Visayas	2026	11	16	18	123	153	153	20
Visayas	2026	11	16	19	114	153	153	20
Visayas	2026	11	16	20	110	153	153	20
Visayas	2026	11	16	21	104	153	153	20
Visayas	2026	11	16	22	97	153	153	20
Visayas	2026	11	16	23	91	153	153	20
Visayas	2026	11	16	24	85	153	153	20
Visayas	2026	11	17	1	81	153	153	20
Visayas	2026	11	17	2	77	153	153	20
Visayas	2026	11	17	3	75	153	153	20
Visayas	2026	11	17	4	75	153	153	20
Visayas	2026	11	17	5	78	153	153	20
Visayas	2026	11	17	6	82	153	153	20
Visayas	2026	11	17	7	75	153	153	20
Visayas	2026	11	17	8	89	153	153	20
Visayas	2026	11	17	9	109	153	153	20
Visayas	2026	11	17	10	116	153	153	20
Visayas	2026	11	17	11	121	153	153	20
Visayas	2026	11	17	12	119	153	153	20
Visayas	2026	11	17	13	118	153	153	20
Visayas	2026	11	17	14	126	153	153	20
Visayas	2026	11	17	15	124	153	153	20
Visayas	2026	11	17	16	121	153	153	20
Visayas	2026	11	17	17	115	153	153	20
Visayas	2026	11	17	18	125	153	153	20
Visayas	2026	11	17	19	116	153	153	20
Visayas	2026	11	17	20	112	153	153	20
Visayas	2026	11	17	21	106	153	153	20
Visayas	2026	11	17	22	98	153	153	20
Visayas	2026	11	17	23	93	153	153	20
Visayas	2026	11	17	24	86	153	153	20
Visayas	2026	11	18	1	82	153	153	20
Visayas	2026	11	18	2	79	153	153	20
Visayas	2026	11	18	3	78	153	153	20
Visayas	2026	11	18	4	75	153	153	20
Visayas	2026	11	18	5	79	153	153	20
Visayas	2026	11	18	6	83	153	153	20
Visayas	2026	11	18	7	74	153	153	20
Visayas	2026	11	18	8	86	153	153	20
Visayas	2026	11	18	9	102	153	153	20
Visayas	2026	11	18	10	112	153	153	20
Visayas	2026	11	18	11	119	153	153	20
Visayas	2026	11	18	12	114	153	153	20
Visayas	2026	11	18	13	116	153	153	20
Visayas	2026	11	18	14	121	153	153	20
Visayas	2026	11	18	15	120	153	153	20
Visayas	2026	11	18	16	116	153	153	20
Visayas	2026	11	18	17	111	153	153	20
Visayas	2026	11	18	18	119	153	153	20
Visayas	2026	11	18	19	110	153	153	20
Visayas	2026	11	18	20	102	153	153	20
Visayas	2026	11	18	21	102	153	153	20
Visayas	2026	11	18	22	94	153	153	20
Visayas	2026	11	18	23	88	153	153	20
Visayas	2026	11	18	24	83	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	19	1	80	153	153	20
Visayas	2026	11	19	2	77	153	153	20
Visayas	2026	11	19	3	75	153	153	20
Visayas	2026	11	19	4	74	153	153	20
Visayas	2026	11	19	5	78	153	153	20
Visayas	2026	11	19	6	82	153	153	20
Visayas	2026	11	19	7	77	153	153	20
Visayas	2026	11	19	8	91	153	153	20
Visayas	2026	11	19	9	108	153	153	20
Visayas	2026	11	19	10	116	153	153	20
Visayas	2026	11	19	11	122	153	153	20
Visayas	2026	11	19	12	116	153	153	20
Visayas	2026	11	19	13	114	153	153	20
Visayas	2026	11	19	14	117	153	153	20
Visayas	2026	11	19	15	113	153	153	20
Visayas	2026	11	19	16	108	153	153	20
Visayas	2026	11	19	17	107	153	153	20
Visayas	2026	11	19	18	114	153	153	20
Visayas	2026	11	19	19	108	153	153	20
Visayas	2026	11	19	20	103	153	153	20
Visayas	2026	11	19	21	96	153	153	20
Visayas	2026	11	19	22	89	153	153	20
Visayas	2026	11	19	23	85	153	153	20
Visayas	2026	11	19	24	81	153	153	20
Visayas	2026	11	20	1	77	153	153	20
Visayas	2026	11	20	2	73	153	153	20
Visayas	2026	11	20	3	71	153	153	20
Visayas	2026	11	20	4	71	153	153	20
Visayas	2026	11	20	5	74	153	153	20
Visayas	2026	11	20	6	79	153	153	20
Visayas	2026	11	20	7	77	153	153	20
Visayas	2026	11	20	8	85	153	153	20
Visayas	2026	11	20	9	97	153	153	20
Visayas	2026	11	20	10	105	153	153	20
Visayas	2026	11	20	11	105	153	153	20
Visayas	2026	11	20	12	100	153	153	20
Visayas	2026	11	20	13	99	153	153	20
Visayas	2026	11	20	14	104	153	153	20
Visayas	2026	11	20	15	103	153	153	20
Visayas	2026	11	20	16	102	153	153	20
Visayas	2026	11	20	17	102	153	153	20
Visayas	2026	11	20	18	113	153	153	20
Visayas	2026	11	20	19	102	153	153	20
Visayas	2026	11	20	20	98	153	153	20
Visayas	2026	11	20	21	92	153	153	20
Visayas	2026	11	20	22	86	153	153	20
Visayas	2026	11	20	23	81	153	153	20
Visayas	2026	11	20	24	76	153	153	20
Visayas	2026	11	21	1	72	153	153	20
Visayas	2026	11	21	2	70	153	153	20
Visayas	2026	11	21	3	68	153	153	20
Visayas	2026	11	21	4	67	153	153	20
Visayas	2026	11	21	5	68	153	153	20
Visayas	2026	11	21	6	71	153	153	20
Visayas	2026	11	21	7	70	153	153	20
Visayas	2026	11	21	8	76	153	153	20
Visayas	2026	11	21	9	87	153	153	20
Visayas	2026	11	21	10	93	153	153	20
Visayas	2026	11	21	11	96	153	153	20
Visayas	2026	11	21	12	94	153	153	20
Visayas	2026	11	21	13	93	153	153	20
Visayas	2026	11	21	14	92	153	153	20
Visayas	2026	11	21	15	90	153	153	20
Visayas	2026	11	21	16	88	153	153	20
Visayas	2026	11	21	17	91	153	153	20
Visayas	2026	11	21	18	105	153	153	20
Visayas	2026	11	21	19	99	153	153	20
Visayas	2026	11	21	20	92	153	153	20
Visayas	2026	11	21	21	89	153	153	20
Visayas	2026	11	21	22	80	153	153	20
Visayas	2026	11	21	23	74	153	153	20
Visayas	2026	11	21	24	70	153	153	20
Visayas	2026	11	22	1	67	153	153	20
Visayas	2026	11	22	2	64	153	153	20
Visayas	2026	11	22	3	62	153	153	20
Visayas	2026	11	22	4	62	153	153	20
Visayas	2026	11	22	5	62	153	153	20
Visayas	2026	11	22	6	62	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	22	7	63	153	153	20
Visayas	2026	11	22	8	67	153	153	20
Visayas	2026	11	22	9	74	153	153	20
Visayas	2026	11	22	10	83	153	153	20
Visayas	2026	11	22	11	85	153	153	20
Visayas	2026	11	22	12	86	153	153	20
Visayas	2026	11	22	13	83	153	153	20
Visayas	2026	11	22	14	83	153	153	20
Visayas	2026	11	22	15	82	153	153	20
Visayas	2026	11	22	16	81	153	153	20
Visayas	2026	11	22	17	88	153	153	20
Visayas	2026	11	22	18	103	153	153	20
Visayas	2026	11	22	19	99	153	153	20
Visayas	2026	11	22	20	94	153	153	20
Visayas	2026	11	22	21	91	153	153	20
Visayas	2026	11	22	22	84	153	153	20
Visayas	2026	11	22	23	78	153	153	20
Visayas	2026	11	22	24	74	153	153	20
Visayas	2026	11	23	1	69	153	153	20
Visayas	2026	11	23	2	66	153	153	20
Visayas	2026	11	23	3	64	153	153	20
Visayas	2026	11	23	4	64	153	153	20
Visayas	2026	11	23	5	69	153	153	20
Visayas	2026	11	23	6	77	153	153	20
Visayas	2026	11	23	7	71	153	153	20
Visayas	2026	11	23	8	86	153	153	20
Visayas	2026	11	23	9	102	153	153	20
Visayas	2026	11	23	10	113	153	153	20
Visayas	2026	11	23	11	120	153	153	20
Visayas	2026	11	23	12	117	153	153	20
Visayas	2026	11	23	13	116	153	153	20
Visayas	2026	11	23	14	121	153	153	20
Visayas	2026	11	23	15	121	153	153	20
Visayas	2026	11	23	16	116	153	153	20
Visayas	2026	11	23	17	112	153	153	20
Visayas	2026	11	23	18	120	153	153	20
Visayas	2026	11	23	19	111	153	153	20
Visayas	2026	11	23	20	103	153	153	20
Visayas	2026	11	23	21	99	153	153	20
Visayas	2026	11	23	22	92	153	153	20
Visayas	2026	11	23	23	86	153	153	20
Visayas	2026	11	23	24	81	153	153	20
Visayas	2026	11	24	1	78	153	153	20
Visayas	2026	11	24	2	74	153	153	20
Visayas	2026	11	24	3	71	153	153	20
Visayas	2026	11	24	4	71	153	153	20
Visayas	2026	11	24	5	75	153	153	20
Visayas	2026	11	24	6	81	153	153	20
Visayas	2026	11	24	7	76	153	153	20
Visayas	2026	11	24	8	89	153	153	20
Visayas	2026	11	24	9	105	153	153	20
Visayas	2026	11	24	10	117	153	153	20
Visayas	2026	11	24	11	122	153	153	20
Visayas	2026	11	24	12	116	153	153	20
Visayas	2026	11	24	13	117	153	153	20
Visayas	2026	11	24	14	124	153	153	20
Visayas	2026	11	24	15	124	153	153	20
Visayas	2026	11	24	16	120	153	153	20
Visayas	2026	11	24	17	113	153	153	20
Visayas	2026	11	24	18	124	153	153	20
Visayas	2026	11	24	19	119	153	153	20
Visayas	2026	11	24	20	112	153	153	20
Visayas	2026	11	24	21	107	153	153	20
Visayas	2026	11	24	22	98	153	153	20
Visayas	2026	11	24	23	91	153	153	20
Visayas	2026	11	24	24	85	153	153	20
Visayas	2026	11	25	1	80	153	153	20
Visayas	2026	11	25	2	78	153	153	20
Visayas	2026	11	25	3	75	153	153	20
Visayas	2026	11	25	4	75	153	153	20
Visayas	2026	11	25	5	78	153	153	20
Visayas	2026	11	25	6	83	153	153	20
Visayas	2026	11	25	7	78	153	153	20
Visayas	2026	11	25	8	91	153	153	20
Visayas	2026	11	25	9	110	153	153	20
Visayas	2026	11	25	10	121	153	153	20
Visayas	2026	11	25	11	124	153	153	20
Visayas	2026	11	25	12	121	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	25	13	122	153	153	20
Visayas	2026	11	25	14	128	153	153	20
Visayas	2026	11	25	15	125	153	153	20
Visayas	2026	11	25	16	122	153	153	20
Visayas	2026	11	25	17	116	153	153	20
Visayas	2026	11	25	18	126	153	153	20
Visayas	2026	11	25	19	119	153	153	20
Visayas	2026	11	25	20	113	153	153	20
Visayas	2026	11	25	21	109	153	153	20
Visayas	2026	11	25	22	101	153	153	20
Visayas	2026	11	25	23	95	153	153	20
Visayas	2026	11	25	24	89	153	153	20
Visayas	2026	11	26	1	85	153	153	20
Visayas	2026	11	26	2	80	153	153	20
Visayas	2026	11	26	3	77	153	153	20
Visayas	2026	11	26	4	75	153	153	20
Visayas	2026	11	26	5	79	153	153	20
Visayas	2026	11	26	6	85	153	153	20
Visayas	2026	11	26	7	80	153	153	20
Visayas	2026	11	26	8	91	153	153	20
Visayas	2026	11	26	9	109	153	153	20
Visayas	2026	11	26	10	117	153	153	20
Visayas	2026	11	26	11	123	153	153	20
Visayas	2026	11	26	12	119	153	153	20
Visayas	2026	11	26	13	120	153	153	20
Visayas	2026	11	26	14	128	153	153	20
Visayas	2026	11	26	15	125	153	153	20
Visayas	2026	11	26	16	121	153	153	20
Visayas	2026	11	26	17	115	153	153	20
Visayas	2026	11	26	18	124	153	153	20
Visayas	2026	11	26	19	117	153	153	20
Visayas	2026	11	26	20	116	153	153	20
Visayas	2026	11	26	21	110	153	153	20
Visayas	2026	11	26	22	101	153	153	20
Visayas	2026	11	26	23	96	153	153	20
Visayas	2026	11	26	24	89	153	153	20
Visayas	2026	11	27	1	85	153	153	20
Visayas	2026	11	27	2	83	153	153	20
Visayas	2026	11	27	3	79	153	153	20
Visayas	2026	11	27	4	77	153	153	20
Visayas	2026	11	27	5	80	153	153	20
Visayas	2026	11	27	6	81	153	153	20
Visayas	2026	11	27	7	80	153	153	20
Visayas	2026	11	27	8	93	153	153	20
Visayas	2026	11	27	9	109	153	153	20
Visayas	2026	11	27	10	119	153	153	20
Visayas	2026	11	27	11	119	153	153	20
Visayas	2026	11	27	12	116	153	153	20
Visayas	2026	11	27	13	118	153	153	20
Visayas	2026	11	27	14	124	153	153	20
Visayas	2026	11	27	15	123	153	153	20
Visayas	2026	11	27	16	120	153	153	20
Visayas	2026	11	27	17	115	153	153	20
Visayas	2026	11	27	18	124	153	153	20
Visayas	2026	11	27	19	115	153	153	20
Visayas	2026	11	27	20	110	153	153	20
Visayas	2026	11	27	21	105	153	153	20
Visayas	2026	11	27	22	98	153	153	20
Visayas	2026	11	27	23	92	153	153	20
Visayas	2026	11	27	24	87	153	153	20
Visayas	2026	11	28	1	82	153	153	20
Visayas	2026	11	28	2	79	153	153	20
Visayas	2026	11	28	3	76	153	153	20
Visayas	2026	11	28	4	74	153	153	20
Visayas	2026	11	28	5	74	153	153	20
Visayas	2026	11	28	6	75	153	153	20
Visayas	2026	11	28	7	71	153	153	20
Visayas	2026	11	28	8	79	153	153	20
Visayas	2026	11	28	9	91	153	153	20
Visayas	2026	11	28	10	99	153	153	20
Visayas	2026	11	28	11	103	153	153	20
Visayas	2026	11	28	12	102	153	153	20
Visayas	2026	11	28	13	104	153	153	20
Visayas	2026	11	28	14	108	153	153	20
Visayas	2026	11	28	15	107	153	153	20
Visayas	2026	11	28	16	105	153	153	20
Visayas	2026	11	28	17	101	153	153	20
Visayas	2026	11	28	18	116	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	11	28	19	110	153	153	20
Visayas	2026	11	28	20	106	153	153	20
Visayas	2026	11	28	21	103	153	153	20
Visayas	2026	11	28	22	97	153	153	20
Visayas	2026	11	28	23	89	153	153	20
Visayas	2026	11	28	24	85	153	153	20
Visayas	2026	11	29	1	81	153	153	20
Visayas	2026	11	29	2	78	153	153	20
Visayas	2026	11	29	3	75	153	153	20
Visayas	2026	11	29	4	72	153	153	20
Visayas	2026	11	29	5	72	153	153	20
Visayas	2026	11	29	6	73	153	153	20
Visayas	2026	11	29	7	67	153	153	20
Visayas	2026	11	29	8	71	153	153	20
Visayas	2026	11	29	9	79	153	153	20
Visayas	2026	11	29	10	83	153	153	20
Visayas	2026	11	29	11	87	153	153	20
Visayas	2026	11	29	12	86	153	153	20
Visayas	2026	11	29	13	86	153	153	20
Visayas	2026	11	29	14	88	153	153	20
Visayas	2026	11	29	15	87	153	153	20
Visayas	2026	11	29	16	85	153	153	20
Visayas	2026	11	29	17	86	153	153	20
Visayas	2026	11	29	18	104	153	153	20
Visayas	2026	11	29	19	105	153	153	20
Visayas	2026	11	29	20	102	153	153	20
Visayas	2026	11	29	21	99	153	153	20
Visayas	2026	11	29	22	93	153	153	20
Visayas	2026	11	29	23	87	153	153	20
Visayas	2026	11	29	24	82	153	153	20
Visayas	2026	11	30	1	84	153	153	20
Visayas	2026	11	30	2	81	153	153	20
Visayas	2026	11	30	3	78	153	153	20
Visayas	2026	11	30	4	75	153	153	20
Visayas	2026	11	30	5	76	153	153	20
Visayas	2026	11	30	6	79	153	153	20
Visayas	2026	11	30	7	77	153	153	20
Visayas	2026	11	30	8	83	153	153	20
Visayas	2026	11	30	9	93	153	153	20
Visayas	2026	11	30	10	103	153	153	20
Visayas	2026	11	30	11	106	153	153	20
Visayas	2026	11	30	12	103	153	153	20
Visayas	2026	11	30	13	103	153	153	20
Visayas	2026	11	30	14	104	153	153	20
Visayas	2026	11	30	15	104	153	153	20
Visayas	2026	11	30	16	104	153	153	20
Visayas	2026	11	30	17	103	153	153	20
Visayas	2026	11	30	18	115	153	153	20
Visayas	2026	11	30	19	108	153	153	20
Visayas	2026	11	30	20	104	153	153	20
Visayas	2026	11	30	21	99	153	153	20
Visayas	2026	11	30	22	93	153	153	20
Visayas	2026	11	30	23	86	153	153	20
Visayas	2026	11	30	24	79	153	153	20
Visayas	2026	12	1	1	83	153	153	20
Visayas	2026	12	1	2	80	153	153	20
Visayas	2026	12	1	3	77	153	153	20
Visayas	2026	12	1	4	77	153	153	20
Visayas	2026	12	1	5	79	153	153	20
Visayas	2026	12	1	6	83	153	153	20
Visayas	2026	12	1	7	77	153	153	20
Visayas	2026	12	1	8	92	153	153	20
Visayas	2026	12	1	9	109	153	153	20
Visayas	2026	12	1	10	120	153	153	20
Visayas	2026	12	1	11	124	153	153	20
Visayas	2026	12	1	12	118	153	153	20
Visayas	2026	12	1	13	120	153	153	20
Visayas	2026	12	1	14	127	153	153	20
Visayas	2026	12	1	15	125	153	153	20
Visayas	2026	12	1	16	121	153	153	20
Visayas	2026	12	1	17	116	153	153	20
Visayas	2026	12	1	18	125	153	153	20
Visayas	2026	12	1	19	119	153	153	20
Visayas	2026	12	1	20	113	153	153	20
Visayas	2026	12	1	21	109	153	153	20
Visayas	2026	12	1	22	101	153	153	20
Visayas	2026	12	1	23	95	153	153	20
Visayas	2026	12	1	24	88	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	2	1	77	153	153	20
Visayas	2026	12	2	2	73	153	153	20
Visayas	2026	12	2	3	70	153	153	20
Visayas	2026	12	2	4	70	153	153	20
Visayas	2026	12	2	5	73	153	153	20
Visayas	2026	12	2	6	79	153	153	20
Visayas	2026	12	2	7	73	153	153	20
Visayas	2026	12	2	8	85	153	153	20
Visayas	2026	12	2	9	104	153	153	20
Visayas	2026	12	2	10	110	153	153	20
Visayas	2026	12	2	11	117	153	153	20
Visayas	2026	12	2	12	113	153	153	20
Visayas	2026	12	2	13	113	153	153	20
Visayas	2026	12	2	14	120	153	153	20
Visayas	2026	12	2	15	119	153	153	20
Visayas	2026	12	2	16	116	153	153	20
Visayas	2026	12	2	17	111	153	153	20
Visayas	2026	12	2	18	118	153	153	20
Visayas	2026	12	2	19	112	153	153	20
Visayas	2026	12	2	20	107	153	153	20
Visayas	2026	12	2	21	101	153	153	20
Visayas	2026	12	2	22	95	153	153	20
Visayas	2026	12	2	23	89	153	153	20
Visayas	2026	12	2	24	84	153	153	20
Visayas	2026	12	3	1	74	153	153	20
Visayas	2026	12	3	2	68	153	153	20
Visayas	2026	12	3	3	66	153	153	20
Visayas	2026	12	3	4	67	153	153	20
Visayas	2026	12	3	5	70	153	153	20
Visayas	2026	12	3	6	77	153	153	20
Visayas	2026	12	3	7	74	153	153	20
Visayas	2026	12	3	8	86	153	153	20
Visayas	2026	12	3	9	103	153	153	20
Visayas	2026	12	3	10	114	153	153	20
Visayas	2026	12	3	11	121	153	153	20
Visayas	2026	12	3	12	114	153	153	20
Visayas	2026	12	3	13	118	153	153	20
Visayas	2026	12	3	14	122	153	153	20
Visayas	2026	12	3	15	122	153	153	20
Visayas	2026	12	3	16	119	153	153	20
Visayas	2026	12	3	17	114	153	153	20
Visayas	2026	12	3	18	122	153	153	20
Visayas	2026	12	3	19	115	153	153	20
Visayas	2026	12	3	20	110	153	153	20
Visayas	2026	12	3	21	105	153	153	20
Visayas	2026	12	3	22	97	153	153	20
Visayas	2026	12	3	23	90	153	153	20
Visayas	2026	12	3	24	85	153	153	20
Visayas	2026	12	4	1	81	153	153	20
Visayas	2026	12	4	2	77	153	153	20
Visayas	2026	12	4	3	75	153	153	20
Visayas	2026	12	4	4	73	153	153	20
Visayas	2026	12	4	5	75	153	153	20
Visayas	2026	12	4	6	80	153	153	20
Visayas	2026	12	4	7	78	153	153	20
Visayas	2026	12	4	8	87	153	153	20
Visayas	2026	12	4	9	102	153	153	20
Visayas	2026	12	4	10	114	153	153	20
Visayas	2026	12	4	11	116	153	153	20
Visayas	2026	12	4	12	113	153	153	20
Visayas	2026	12	4	13	111	153	153	20
Visayas	2026	12	4	14	120	153	153	20
Visayas	2026	12	4	15	118	153	153	20
Visayas	2026	12	4	16	115	153	153	20
Visayas	2026	12	4	17	112	153	153	20
Visayas	2026	12	4	18	120	153	153	20
Visayas	2026	12	4	19	112	153	153	20
Visayas	2026	12	4	20	107	153	153	20
Visayas	2026	12	4	21	101	153	153	20
Visayas	2026	12	4	22	95	153	153	20
Visayas	2026	12	4	23	89	153	153	20
Visayas	2026	12	4	24	83	153	153	20
Visayas	2026	12	5	1	79	153	153	20
Visayas	2026	12	5	2	76	153	153	20
Visayas	2026	12	5	3	73	153	153	20
Visayas	2026	12	5	4	72	153	153	20
Visayas	2026	12	5	5	73	153	153	20
Visayas	2026	12	5	6	74	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	5	7	74	153	153	20
Visayas	2026	12	5	8	83	153	153	20
Visayas	2026	12	5	9	93	153	153	20
Visayas	2026	12	5	10	102	153	153	20
Visayas	2026	12	5	11	105	153	153	20
Visayas	2026	12	5	12	104	153	153	20
Visayas	2026	12	5	13	102	153	153	20
Visayas	2026	12	5	14	108	153	153	20
Visayas	2026	12	5	15	104	153	153	20
Visayas	2026	12	5	16	101	153	153	20
Visayas	2026	12	5	17	100	153	153	20
Visayas	2026	12	5	18	116	153	153	20
Visayas	2026	12	5	19	109	153	153	20
Visayas	2026	12	5	20	106	153	153	20
Visayas	2026	12	5	21	102	153	153	20
Visayas	2026	12	5	22	96	153	153	20
Visayas	2026	12	5	23	89	153	153	20
Visayas	2026	12	5	24	83	153	153	20
Visayas	2026	12	6	1	78	153	153	20
Visayas	2026	12	6	2	74	153	153	20
Visayas	2026	12	6	3	70	153	153	20
Visayas	2026	12	6	4	69	153	153	20
Visayas	2026	12	6	5	70	153	153	20
Visayas	2026	12	6	6	71	153	153	20
Visayas	2026	12	6	7	67	153	153	20
Visayas	2026	12	6	8	72	153	153	20
Visayas	2026	12	6	9	79	153	153	20
Visayas	2026	12	6	10	86	153	153	20
Visayas	2026	12	6	11	88	153	153	20
Visayas	2026	12	6	12	89	153	153	20
Visayas	2026	12	6	13	88	153	153	20
Visayas	2026	12	6	14	91	153	153	20
Visayas	2026	12	6	15	90	153	153	20
Visayas	2026	12	6	16	88	153	153	20
Visayas	2026	12	6	17	91	153	153	20
Visayas	2026	12	6	18	108	153	153	20
Visayas	2026	12	6	19	104	153	153	20
Visayas	2026	12	6	20	101	153	153	20
Visayas	2026	12	6	21	98	153	153	20
Visayas	2026	12	6	22	90	153	153	20
Visayas	2026	12	6	23	84	153	153	20
Visayas	2026	12	6	24	80	153	153	20
Visayas	2026	12	7	1	75	153	153	20
Visayas	2026	12	7	2	71	153	153	20
Visayas	2026	12	7	3	69	153	153	20
Visayas	2026	12	7	4	68	153	153	20
Visayas	2026	12	7	5	72	153	153	20
Visayas	2026	12	7	6	79	153	153	20
Visayas	2026	12	7	7	75	153	153	20
Visayas	2026	12	7	8	86	153	153	20
Visayas	2026	12	7	9	101	153	153	20
Visayas	2026	12	7	10	109	153	153	20
Visayas	2026	12	7	11	115	153	153	20
Visayas	2026	12	7	12	112	153	153	20
Visayas	2026	12	7	13	111	153	153	20
Visayas	2026	12	7	14	116	153	153	20
Visayas	2026	12	7	15	116	153	153	20
Visayas	2026	12	7	16	111	153	153	20
Visayas	2026	12	7	17	108	153	153	20
Visayas	2026	12	7	18	118	153	153	20
Visayas	2026	12	7	19	110	153	153	20
Visayas	2026	12	7	20	106	153	153	20
Visayas	2026	12	7	21	100	153	153	20
Visayas	2026	12	7	22	92	153	153	20
Visayas	2026	12	7	23	86	153	153	20
Visayas	2026	12	7	24	81	153	153	20
Visayas	2026	12	8	1	79	153	153	20
Visayas	2026	12	8	2	75	153	153	20
Visayas	2026	12	8	3	72	153	153	20
Visayas	2026	12	8	4	71	153	153	20
Visayas	2026	12	8	5	73	153	153	20
Visayas	2026	12	8	6	75	153	153	20
Visayas	2026	12	8	7	75	153	153	20
Visayas	2026	12	8	8	82	153	153	20
Visayas	2026	12	8	9	94	153	153	20
Visayas	2026	12	8	10	100	153	153	20
Visayas	2026	12	8	11	102	153	153	20
Visayas	2026	12	8	12	101	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	8	13	101	153	153	20
Visayas	2026	12	8	14	105	153	153	20
Visayas	2026	12	8	15	103	153	153	20
Visayas	2026	12	8	16	100	153	153	20
Visayas	2026	12	8	17	100	153	153	20
Visayas	2026	12	8	18	114	153	153	20
Visayas	2026	12	8	19	108	153	153	20
Visayas	2026	12	8	20	101	153	153	20
Visayas	2026	12	8	21	96	153	153	20
Visayas	2026	12	8	22	90	153	153	20
Visayas	2026	12	8	23	83	153	153	20
Visayas	2026	12	8	24	78	153	153	20
Visayas	2026	12	9	1	77	153	153	20
Visayas	2026	12	9	2	73	153	153	20
Visayas	2026	12	9	3	70	153	153	20
Visayas	2026	12	9	4	70	153	153	20
Visayas	2026	12	9	5	73	153	153	20
Visayas	2026	12	9	6	79	153	153	20
Visayas	2026	12	9	7	73	153	153	20
Visayas	2026	12	9	8	85	153	153	20
Visayas	2026	12	9	9	104	153	153	20
Visayas	2026	12	9	10	110	153	153	20
Visayas	2026	12	9	11	117	153	153	20
Visayas	2026	12	9	12	113	153	153	20
Visayas	2026	12	9	13	113	153	153	20
Visayas	2026	12	9	14	120	153	153	20
Visayas	2026	12	9	15	119	153	153	20
Visayas	2026	12	9	16	116	153	153	20
Visayas	2026	12	9	17	111	153	153	20
Visayas	2026	12	9	18	118	153	153	20
Visayas	2026	12	9	19	112	153	153	20
Visayas	2026	12	9	20	107	153	153	20
Visayas	2026	12	9	21	101	153	153	20
Visayas	2026	12	9	22	95	153	153	20
Visayas	2026	12	9	23	89	153	153	20
Visayas	2026	12	9	24	84	153	153	20
Visayas	2026	12	10	1	82	153	153	20
Visayas	2026	12	10	2	80	153	153	20
Visayas	2026	12	10	3	76	153	153	20
Visayas	2026	12	10	4	75	153	153	20
Visayas	2026	12	10	5	77	153	153	20
Visayas	2026	12	10	6	82	153	153	20
Visayas	2026	12	10	7	81	153	153	20
Visayas	2026	12	10	8	90	153	153	20
Visayas	2026	12	10	9	107	153	153	20
Visayas	2026	12	10	10	117	153	153	20
Visayas	2026	12	10	11	122	153	153	20
Visayas	2026	12	10	12	118	153	153	20
Visayas	2026	12	10	13	118	153	153	20
Visayas	2026	12	10	14	123	153	153	20
Visayas	2026	12	10	15	123	153	153	20
Visayas	2026	12	10	16	120	153	153	20
Visayas	2026	12	10	17	116	153	153	20
Visayas	2026	12	10	18	122	153	153	20
Visayas	2026	12	10	19	113	153	153	20
Visayas	2026	12	10	20	108	153	153	20
Visayas	2026	12	10	21	105	153	153	20
Visayas	2026	12	10	22	96	153	153	20
Visayas	2026	12	10	23	90	153	153	20
Visayas	2026	12	10	24	85	153	153	20
Visayas	2026	12	11	1	74	153	153	20
Visayas	2026	12	11	2	70	153	153	20
Visayas	2026	12	11	3	69	153	153	20
Visayas	2026	12	11	4	68	153	153	20
Visayas	2026	12	11	5	72	153	153	20
Visayas	2026	12	11	6	79	153	153	20
Visayas	2026	12	11	7	78	153	153	20
Visayas	2026	12	11	8	86	153	153	20
Visayas	2026	12	11	9	99	153	153	20
Visayas	2026	12	11	10	110	153	153	20
Visayas	2026	12	11	11	112	153	153	20
Visayas	2026	12	11	12	108	153	153	20
Visayas	2026	12	11	13	105	153	153	20
Visayas	2026	12	11	14	109	153	153	20
Visayas	2026	12	11	15	107	153	153	20
Visayas	2026	12	11	16	105	153	153	20
Visayas	2026	12	11	17	105	153	153	20
Visayas	2026	12	11	18	114	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	11	19	104	153	153	20
Visayas	2026	12	11	20	99	153	153	20
Visayas	2026	12	11	21	95	153	153	20
Visayas	2026	12	11	22	86	153	153	20
Visayas	2026	12	11	23	80	153	153	20
Visayas	2026	12	11	24	75	153	153	20
Visayas	2026	12	12	1	72	153	153	20
Visayas	2026	12	12	2	69	153	153	20
Visayas	2026	12	12	3	68	153	153	20
Visayas	2026	12	12	4	67	153	153	20
Visayas	2026	12	12	5	68	153	153	20
Visayas	2026	12	12	6	70	153	153	20
Visayas	2026	12	12	7	73	153	153	20
Visayas	2026	12	12	8	79	153	153	20
Visayas	2026	12	12	9	91	153	153	20
Visayas	2026	12	12	10	98	153	153	20
Visayas	2026	12	12	11	102	153	153	20
Visayas	2026	12	12	12	98	153	153	20
Visayas	2026	12	12	13	99	153	153	20
Visayas	2026	12	12	14	104	153	153	20
Visayas	2026	12	12	15	101	153	153	20
Visayas	2026	12	12	16	99	153	153	20
Visayas	2026	12	12	17	98	153	153	20
Visayas	2026	12	12	18	110	153	153	20
Visayas	2026	12	12	19	103	153	153	20
Visayas	2026	12	12	20	98	153	153	20
Visayas	2026	12	12	21	94	153	153	20
Visayas	2026	12	12	22	87	153	153	20
Visayas	2026	12	12	23	81	153	153	20
Visayas	2026	12	12	24	75	153	153	20
Visayas	2026	12	13	1	72	153	153	20
Visayas	2026	12	13	2	68	153	153	20
Visayas	2026	12	13	3	66	153	153	20
Visayas	2026	12	13	4	65	153	153	20
Visayas	2026	12	13	5	65	153	153	20
Visayas	2026	12	13	6	66	153	153	20
Visayas	2026	12	13	7	64	153	153	20
Visayas	2026	12	13	8	69	153	153	20
Visayas	2026	12	13	9	74	153	153	20
Visayas	2026	12	13	10	81	153	153	20
Visayas	2026	12	13	11	84	153	153	20
Visayas	2026	12	13	12	84	153	153	20
Visayas	2026	12	13	13	85	153	153	20
Visayas	2026	12	13	14	85	153	153	20
Visayas	2026	12	13	15	84	153	153	20
Visayas	2026	12	13	16	84	153	153	20
Visayas	2026	12	13	17	85	153	153	20
Visayas	2026	12	13	18	107	153	153	20
Visayas	2026	12	13	19	104	153	153	20
Visayas	2026	12	13	20	99	153	153	20
Visayas	2026	12	13	21	95	153	153	20
Visayas	2026	12	13	22	88	153	153	20
Visayas	2026	12	13	23	81	153	153	20
Visayas	2026	12	13	24	77	153	153	20
Visayas	2026	12	14	1	72	153	153	20
Visayas	2026	12	14	2	67	153	153	20
Visayas	2026	12	14	3	65	153	153	20
Visayas	2026	12	14	4	66	153	153	20
Visayas	2026	12	14	5	69	153	153	20
Visayas	2026	12	14	6	76	153	153	20
Visayas	2026	12	14	7	71	153	153	20
Visayas	2026	12	14	8	86	153	153	20
Visayas	2026	12	14	9	102	153	153	20
Visayas	2026	12	14	10	112	153	153	20
Visayas	2026	12	14	11	117	153	153	20
Visayas	2026	12	14	12	112	153	153	20
Visayas	2026	12	14	13	113	153	153	20
Visayas	2026	12	14	14	121	153	153	20
Visayas	2026	12	14	15	119	153	153	20
Visayas	2026	12	14	16	117	153	153	20
Visayas	2026	12	14	17	111	153	153	20
Visayas	2026	12	14	18	120	153	153	20
Visayas	2026	12	14	19	112	153	153	20
Visayas	2026	12	14	20	108	153	153	20
Visayas	2026	12	14	21	100	153	153	20
Visayas	2026	12	14	22	94	153	153	20
Visayas	2026	12	14	23	87	153	153	20
Visayas	2026	12	14	24	81	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	15	1	78	153	153	20
Visayas	2026	12	15	2	74	153	153	20
Visayas	2026	12	15	3	72	153	153	20
Visayas	2026	12	15	4	71	153	153	20
Visayas	2026	12	15	5	74	153	153	20
Visayas	2026	12	15	6	79	153	153	20
Visayas	2026	12	15	7	76	153	153	20
Visayas	2026	12	15	8	88	153	153	20
Visayas	2026	12	15	9	108	153	153	20
Visayas	2026	12	15	10	115	153	153	20
Visayas	2026	12	15	11	119	153	153	20
Visayas	2026	12	15	12	115	153	153	20
Visayas	2026	12	15	13	115	153	153	20
Visayas	2026	12	15	14	123	153	153	20
Visayas	2026	12	15	15	122	153	153	20
Visayas	2026	12	15	16	120	153	153	20
Visayas	2026	12	15	17	113	153	153	20
Visayas	2026	12	15	18	123	153	153	20
Visayas	2026	12	15	19	117	153	153	20
Visayas	2026	12	15	20	111	153	153	20
Visayas	2026	12	15	21	106	153	153	20
Visayas	2026	12	15	22	97	153	153	20
Visayas	2026	12	15	23	90	153	153	20
Visayas	2026	12	15	24	85	153	153	20
Visayas	2026	12	16	1	81	153	153	20
Visayas	2026	12	16	2	78	153	153	20
Visayas	2026	12	16	3	75	153	153	20
Visayas	2026	12	16	4	74	153	153	20
Visayas	2026	12	16	5	78	153	153	20
Visayas	2026	12	16	6	82	153	153	20
Visayas	2026	12	16	7	79	153	153	20
Visayas	2026	12	16	8	90	153	153	20
Visayas	2026	12	16	9	106	153	153	20
Visayas	2026	12	16	10	116	153	153	20
Visayas	2026	12	16	11	121	153	153	20
Visayas	2026	12	16	12	115	153	153	20
Visayas	2026	12	16	13	117	153	153	20
Visayas	2026	12	16	14	122	153	153	20
Visayas	2026	12	16	15	119	153	153	20
Visayas	2026	12	16	16	117	153	153	20
Visayas	2026	12	16	17	114	153	153	20
Visayas	2026	12	16	18	123	153	153	20
Visayas	2026	12	16	19	116	153	153	20
Visayas	2026	12	16	20	111	153	153	20
Visayas	2026	12	16	21	107	153	153	20
Visayas	2026	12	16	22	99	153	153	20
Visayas	2026	12	16	23	91	153	153	20
Visayas	2026	12	16	24	86	153	153	20
Visayas	2026	12	17	1	82	153	153	20
Visayas	2026	12	17	2	80	153	153	20
Visayas	2026	12	17	3	76	153	153	20
Visayas	2026	12	17	4	75	153	153	20
Visayas	2026	12	17	5	77	153	153	20
Visayas	2026	12	17	6	82	153	153	20
Visayas	2026	12	17	7	81	153	153	20
Visayas	2026	12	17	8	90	153	153	20
Visayas	2026	12	17	9	107	153	153	20
Visayas	2026	12	17	10	117	153	153	20
Visayas	2026	12	17	11	122	153	153	20
Visayas	2026	12	17	12	118	153	153	20
Visayas	2026	12	17	13	118	153	153	20
Visayas	2026	12	17	14	123	153	153	20
Visayas	2026	12	17	15	123	153	153	20
Visayas	2026	12	17	16	120	153	153	20
Visayas	2026	12	17	17	116	153	153	20
Visayas	2026	12	17	18	122	153	153	20
Visayas	2026	12	17	19	113	153	153	20
Visayas	2026	12	17	20	108	153	153	20
Visayas	2026	12	17	21	105	153	153	20
Visayas	2026	12	17	22	96	153	153	20
Visayas	2026	12	17	23	90	153	153	20
Visayas	2026	12	17	24	85	153	153	20
Visayas	2026	12	18	1	81	153	153	20
Visayas	2026	12	18	2	77	153	153	20
Visayas	2026	12	18	3	74	153	153	20
Visayas	2026	12	18	4	74	153	153	20
Visayas	2026	12	18	5	73	153	153	20
Visayas	2026	12	18	6	78	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	18	7	79	153	153	20
Visayas	2026	12	18	8	86	153	153	20
Visayas	2026	12	18	9	104	153	153	20
Visayas	2026	12	18	10	114	153	153	20
Visayas	2026	12	18	11	115	153	153	20
Visayas	2026	12	18	12	114	153	153	20
Visayas	2026	12	18	13	114	153	153	20
Visayas	2026	12	18	14	120	153	153	20
Visayas	2026	12	18	15	117	153	153	20
Visayas	2026	12	18	16	116	153	153	20
Visayas	2026	12	18	17	111	153	153	20
Visayas	2026	12	18	18	120	153	153	20
Visayas	2026	12	18	19	112	153	153	20
Visayas	2026	12	18	20	110	153	153	20
Visayas	2026	12	18	21	106	153	153	20
Visayas	2026	12	18	22	98	153	153	20
Visayas	2026	12	18	23	90	153	153	20
Visayas	2026	12	18	24	84	153	153	20
Visayas	2026	12	19	1	81	153	153	20
Visayas	2026	12	19	2	77	153	153	20
Visayas	2026	12	19	3	74	153	153	20
Visayas	2026	12	19	4	73	153	153	20
Visayas	2026	12	19	5	73	153	153	20
Visayas	2026	12	19	6	74	153	153	20
Visayas	2026	12	19	7	76	153	153	20
Visayas	2026	12	19	8	81	153	153	20
Visayas	2026	12	19	9	92	153	153	20
Visayas	2026	12	19	10	101	153	153	20
Visayas	2026	12	19	11	104	153	153	20
Visayas	2026	12	19	12	101	153	153	20
Visayas	2026	12	19	13	100	153	153	20
Visayas	2026	12	19	14	101	153	153	20
Visayas	2026	12	19	15	103	153	153	20
Visayas	2026	12	19	16	100	153	153	20
Visayas	2026	12	19	17	102	153	153	20
Visayas	2026	12	19	18	119	153	153	20
Visayas	2026	12	19	19	113	153	153	20
Visayas	2026	12	19	20	106	153	153	20
Visayas	2026	12	19	21	102	153	153	20
Visayas	2026	12	19	22	96	153	153	20
Visayas	2026	12	19	23	90	153	153	20
Visayas	2026	12	19	24	84	153	153	20
Visayas	2026	12	20	1	80	153	153	20
Visayas	2026	12	20	2	77	153	153	20
Visayas	2026	12	20	3	74	153	153	20
Visayas	2026	12	20	4	72	153	153	20
Visayas	2026	12	20	5	71	153	153	20
Visayas	2026	12	20	6	73	153	153	20
Visayas	2026	12	20	7	72	153	153	20
Visayas	2026	12	20	8	76	153	153	20
Visayas	2026	12	20	9	84	153	153	20
Visayas	2026	12	20	10	88	153	153	20
Visayas	2026	12	20	11	89	153	153	20
Visayas	2026	12	20	12	88	153	153	20
Visayas	2026	12	20	13	87	153	153	20
Visayas	2026	12	20	14	88	153	153	20
Visayas	2026	12	20	15	89	153	153	20
Visayas	2026	12	20	16	88	153	153	20
Visayas	2026	12	20	17	90	153	153	20
Visayas	2026	12	20	18	107	153	153	20
Visayas	2026	12	20	19	98	153	153	20
Visayas	2026	12	20	20	94	153	153	20
Visayas	2026	12	20	21	91	153	153	20
Visayas	2026	12	20	22	86	153	153	20
Visayas	2026	12	20	23	81	153	153	20
Visayas	2026	12	20	24	75	153	153	20
Visayas	2026	12	21	1	71	153	153	20
Visayas	2026	12	21	2	69	153	153	20
Visayas	2026	12	21	3	66	153	153	20
Visayas	2026	12	21	4	65	153	153	20
Visayas	2026	12	21	5	66	153	153	20
Visayas	2026	12	21	6	68	153	153	20
Visayas	2026	12	21	7	73	153	153	20
Visayas	2026	12	21	8	83	153	153	20
Visayas	2026	12	21	9	99	153	153	20
Visayas	2026	12	21	10	108	153	153	20
Visayas	2026	12	21	11	112	153	153	20
Visayas	2026	12	21	12	111	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	21	13	109	153	153	20
Visayas	2026	12	21	14	115	153	153	20
Visayas	2026	12	21	15	114	153	153	20
Visayas	2026	12	21	16	111	153	153	20
Visayas	2026	12	21	17	108	153	153	20
Visayas	2026	12	21	18	116	153	153	20
Visayas	2026	12	21	19	110	153	153	20
Visayas	2026	12	21	20	105	153	153	20
Visayas	2026	12	21	21	100	153	153	20
Visayas	2026	12	21	22	92	153	153	20
Visayas	2026	12	21	23	86	153	153	20
Visayas	2026	12	21	24	80	153	153	20
Visayas	2026	12	22	1	77	153	153	20
Visayas	2026	12	22	2	74	153	153	20
Visayas	2026	12	22	3	71	153	153	20
Visayas	2026	12	22	4	70	153	153	20
Visayas	2026	12	22	5	71	153	153	20
Visayas	2026	12	22	6	74	153	153	20
Visayas	2026	12	22	7	77	153	153	20
Visayas	2026	12	22	8	86	153	153	20
Visayas	2026	12	22	9	102	153	153	20
Visayas	2026	12	22	10	107	153	153	20
Visayas	2026	12	22	11	114	153	153	20
Visayas	2026	12	22	12	108	153	153	20
Visayas	2026	12	22	13	108	153	153	20
Visayas	2026	12	22	14	113	153	153	20
Visayas	2026	12	22	15	110	153	153	20
Visayas	2026	12	22	16	108	153	153	20
Visayas	2026	12	22	17	107	153	153	20
Visayas	2026	12	22	18	117	153	153	20
Visayas	2026	12	22	19	110	153	153	20
Visayas	2026	12	22	20	103	153	153	20
Visayas	2026	12	22	21	97	153	153	20
Visayas	2026	12	22	22	91	153	153	20
Visayas	2026	12	22	23	83	153	153	20
Visayas	2026	12	22	24	79	153	153	20
Visayas	2026	12	23	1	76	153	153	20
Visayas	2026	12	23	2	72	153	153	20
Visayas	2026	12	23	3	70	153	153	20
Visayas	2026	12	23	4	69	153	153	20
Visayas	2026	12	23	5	70	153	153	20
Visayas	2026	12	23	6	73	153	153	20
Visayas	2026	12	23	7	77	153	153	20
Visayas	2026	12	23	8	86	153	153	20
Visayas	2026	12	23	9	101	153	153	20
Visayas	2026	12	23	10	109	153	153	20
Visayas	2026	12	23	11	112	153	153	20
Visayas	2026	12	23	12	112	153	153	20
Visayas	2026	12	23	13	111	153	153	20
Visayas	2026	12	23	14	116	153	153	20
Visayas	2026	12	23	15	116	153	153	20
Visayas	2026	12	23	16	112	153	153	20
Visayas	2026	12	23	17	108	153	153	20
Visayas	2026	12	23	18	118	153	153	20
Visayas	2026	12	23	19	113	153	153	20
Visayas	2026	12	23	20	109	153	153	20
Visayas	2026	12	23	21	101	153	153	20
Visayas	2026	12	23	22	93	153	153	20
Visayas	2026	12	23	23	88	153	153	20
Visayas	2026	12	23	24	82	153	153	20
Visayas	2026	12	24	1	68	153	153	20
Visayas	2026	12	24	2	66	153	153	20
Visayas	2026	12	24	3	65	153	153	20
Visayas	2026	12	24	4	64	153	153	20
Visayas	2026	12	24	5	63	153	153	20
Visayas	2026	12	24	6	64	153	153	20
Visayas	2026	12	24	7	67	153	153	20
Visayas	2026	12	24	8	70	153	153	20
Visayas	2026	12	24	9	76	153	153	20
Visayas	2026	12	24	10	77	153	153	20
Visayas	2026	12	24	11	79	153	153	20
Visayas	2026	12	24	12	78	153	153	20
Visayas	2026	12	24	13	76	153	153	20
Visayas	2026	12	24	14	77	153	153	20
Visayas	2026	12	24	15	77	153	153	20
Visayas	2026	12	24	16	77	153	153	20
Visayas	2026	12	24	17	80	153	153	20
Visayas	2026	12	24	18	92	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	24	19	86	153	153	20
Visayas	2026	12	24	20	79	153	153	20
Visayas	2026	12	24	21	74	153	153	20
Visayas	2026	12	24	22	70	153	153	20
Visayas	2026	12	24	23	68	153	153	20
Visayas	2026	12	24	24	66	153	153	20
Visayas	2026	12	25	1	65	153	153	20
Visayas	2026	12	25	2	61	153	153	20
Visayas	2026	12	25	3	59	153	153	20
Visayas	2026	12	25	4	58	153	153	20
Visayas	2026	12	25	5	57	153	153	20
Visayas	2026	12	25	6	58	153	153	20
Visayas	2026	12	25	7	60	153	153	20
Visayas	2026	12	25	8	61	153	153	20
Visayas	2026	12	25	9	62	153	153	20
Visayas	2026	12	25	10	63	153	153	20
Visayas	2026	12	25	11	65	153	153	20
Visayas	2026	12	25	12	65	153	153	20
Visayas	2026	12	25	13	64	153	153	20
Visayas	2026	12	25	14	63	153	153	20
Visayas	2026	12	25	15	64	153	153	20
Visayas	2026	12	25	16	64	153	153	20
Visayas	2026	12	25	17	68	153	153	20
Visayas	2026	12	25	18	82	153	153	20
Visayas	2026	12	25	19	77	153	153	20
Visayas	2026	12	25	20	75	153	153	20
Visayas	2026	12	25	21	70	153	153	20
Visayas	2026	12	25	22	65	153	153	20
Visayas	2026	12	25	23	62	153	153	20
Visayas	2026	12	25	24	59	153	153	20
Visayas	2026	12	26	1	81	153	153	20
Visayas	2026	12	26	2	77	153	153	20
Visayas	2026	12	26	3	74	153	153	20
Visayas	2026	12	26	4	73	153	153	20
Visayas	2026	12	26	5	73	153	153	20
Visayas	2026	12	26	6	74	153	153	20
Visayas	2026	12	26	7	76	153	153	20
Visayas	2026	12	26	8	81	153	153	20
Visayas	2026	12	26	9	92	153	153	20
Visayas	2026	12	26	10	101	153	153	20
Visayas	2026	12	26	11	104	153	153	20
Visayas	2026	12	26	12	101	153	153	20
Visayas	2026	12	26	13	100	153	153	20
Visayas	2026	12	26	14	101	153	153	20
Visayas	2026	12	26	15	103	153	153	20
Visayas	2026	12	26	16	100	153	153	20
Visayas	2026	12	26	17	102	153	153	20
Visayas	2026	12	26	18	119	153	153	20
Visayas	2026	12	26	19	113	153	153	20
Visayas	2026	12	26	20	106	153	153	20
Visayas	2026	12	26	21	102	153	153	20
Visayas	2026	12	26	22	96	153	153	20
Visayas	2026	12	26	23	90	153	153	20
Visayas	2026	12	26	24	84	153	153	20
Visayas	2026	12	27	1	80	153	153	20
Visayas	2026	12	27	2	77	153	153	20
Visayas	2026	12	27	3	74	153	153	20
Visayas	2026	12	27	4	72	153	153	20
Visayas	2026	12	27	5	71	153	153	20
Visayas	2026	12	27	6	73	153	153	20
Visayas	2026	12	27	7	72	153	153	20
Visayas	2026	12	27	8	76	153	153	20
Visayas	2026	12	27	9	84	153	153	20
Visayas	2026	12	27	10	88	153	153	20
Visayas	2026	12	27	11	89	153	153	20
Visayas	2026	12	27	12	88	153	153	20
Visayas	2026	12	27	13	87	153	153	20
Visayas	2026	12	27	14	88	153	153	20
Visayas	2026	12	27	15	89	153	153	20
Visayas	2026	12	27	16	88	153	153	20
Visayas	2026	12	27	17	90	153	153	20
Visayas	2026	12	27	18	107	153	153	20
Visayas	2026	12	27	19	98	153	153	20
Visayas	2026	12	27	20	94	153	153	20
Visayas	2026	12	27	21	91	153	153	20
Visayas	2026	12	27	22	86	153	153	20
Visayas	2026	12	27	23	81	153	153	20
Visayas	2026	12	27	24	75	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	28	1	58	153	153	20
Visayas	2026	12	28	2	56	153	153	20
Visayas	2026	12	28	3	55	153	153	20
Visayas	2026	12	28	4	55	153	153	20
Visayas	2026	12	28	5	56	153	153	20
Visayas	2026	12	28	6	57	153	153	20
Visayas	2026	12	28	7	62	153	153	20
Visayas	2026	12	28	8	65	153	153	20
Visayas	2026	12	28	9	72	153	153	20
Visayas	2026	12	28	10	77	153	153	20
Visayas	2026	12	28	11	79	153	153	20
Visayas	2026	12	28	12	78	153	153	20
Visayas	2026	12	28	13	77	153	153	20
Visayas	2026	12	28	14	79	153	153	20
Visayas	2026	12	28	15	78	153	153	20
Visayas	2026	12	28	16	80	153	153	20
Visayas	2026	12	28	17	83	153	153	20
Visayas	2026	12	28	18	95	153	153	20
Visayas	2026	12	28	19	90	153	153	20
Visayas	2026	12	28	20	84	153	153	20
Visayas	2026	12	28	21	78	153	153	20
Visayas	2026	12	28	22	71	153	153	20
Visayas	2026	12	28	23	66	153	153	20
Visayas	2026	12	28	24	63	153	153	20
Visayas	2026	12	29	1	61	153	153	20
Visayas	2026	12	29	2	59	153	153	20
Visayas	2026	12	29	3	58	153	153	20
Visayas	2026	12	29	4	58	153	153	20
Visayas	2026	12	29	5	59	153	153	20
Visayas	2026	12	29	6	62	153	153	20
Visayas	2026	12	29	7	66	153	153	20
Visayas	2026	12	29	8	72	153	153	20
Visayas	2026	12	29	9	84	153	153	20
Visayas	2026	12	29	10	90	153	153	20
Visayas	2026	12	29	11	94	153	153	20
Visayas	2026	12	29	12	92	153	153	20
Visayas	2026	12	29	13	89	153	153	20
Visayas	2026	12	29	14	93	153	153	20
Visayas	2026	12	29	15	93	153	153	20
Visayas	2026	12	29	16	91	153	153	20
Visayas	2026	12	29	17	91	153	153	20
Visayas	2026	12	29	18	104	153	153	20
Visayas	2026	12	29	19	96	153	153	20
Visayas	2026	12	29	20	92	153	153	20
Visayas	2026	12	29	21	85	153	153	20
Visayas	2026	12	29	22	77	153	153	20
Visayas	2026	12	29	23	72	153	153	20
Visayas	2026	12	29	24	68	153	153	20
Visayas	2026	12	30	1	71	153	153	20
Visayas	2026	12	30	2	68	153	153	20
Visayas	2026	12	30	3	66	153	153	20
Visayas	2026	12	30	4	65	153	153	20
Visayas	2026	12	30	5	65	153	153	20
Visayas	2026	12	30	6	65	153	153	20
Visayas	2026	12	30	7	66	153	153	20
Visayas	2026	12	30	8	69	153	153	20
Visayas	2026	12	30	9	79	153	153	20
Visayas	2026	12	30	10	88	153	153	20
Visayas	2026	12	30	11	91	153	153	20
Visayas	2026	12	30	12	90	153	153	20
Visayas	2026	12	30	13	93	153	153	20
Visayas	2026	12	30	14	94	153	153	20
Visayas	2026	12	30	15	94	153	153	20
Visayas	2026	12	30	16	94	153	153	20
Visayas	2026	12	30	17	92	153	153	20
Visayas	2026	12	30	18	109	153	153	20
Visayas	2026	12	30	19	104	153	153	20
Visayas	2026	12	30	20	101	153	153	20
Visayas	2026	12	30	21	97	153	153	20
Visayas	2026	12	30	22	92	153	153	20
Visayas	2026	12	30	23	84	153	153	20
Visayas	2026	12	30	24	79	153	153	20
Visayas	2026	12	31	1	75	153	153	20
Visayas	2026	12	31	2	70	153	153	20
Visayas	2026	12	31	3	68	153	153	20
Visayas	2026	12	31	4	66	153	153	20
Visayas	2026	12	31	5	66	153	153	20
Visayas	2026	12	31	6	67	153	153	20

Note: RR Requirement is equivalent to 4% of Demand projection based Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas, and Mindanao Grid dated August 24, 2020. While CR and DR are based on Gross Capacity of highest generating unit for the succeeding years.

ANNEX E Three Year Projected Hourly Levels of AS Requirement for Visayas

GRID	YEAR	MONTH	DAY	HOUR	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Visayas	2026	12	31	7	68	153	153	20
Visayas	2026	12	31	8	75	153	153	20
Visayas	2026	12	31	9	83	153	153	20
Visayas	2026	12	31	10	87	153	153	20
Visayas	2026	12	31	11	90	153	153	20
Visayas	2026	12	31	12	91	153	153	20
Visayas	2026	12	31	13	92	153	153	20
Visayas	2026	12	31	14	95	153	153	20
Visayas	2026	12	31	15	94	153	153	20
Visayas	2026	12	31	16	92	153	153	20
Visayas	2026	12	31	17	92	153	153	20
Visayas	2026	12	31	18	106	153	153	20
Visayas	2026	12	31	19	104	153	153	20
Visayas	2026	12	31	20	94	153	153	20
Visayas	2026	12	31	21	93	153	153	20
Visayas	2026	12	31	22	91	153	153	20
Visayas	2026	12	31	23	91	153	153	20
Visayas	2026	12	31	24	91	153	153	20