

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/22/2019	1	106	106	44
01/22/2019	2	106	106	43
01/22/2019	3	106	106	41
01/22/2019	4	106	106	41
01/22/2019	5	106	106	43
01/22/2019	6	121	121	47
01/22/2019	7	110	110	45
01/22/2019	8	117	117	48
01/22/2019	9	124	124	57
01/22/2019	10	129	129	62
01/22/2019	11	129	129	65
01/22/2019	12	129	129	62
01/22/2019	13	129	129	63
01/22/2019	14	129	129	67
01/22/2019	15	129	129	65
01/22/2019	16	125	125	63
01/22/2019	17	127	127	63
01/22/2019	18	127	127	67
01/22/2019	19	133	133	65
01/22/2019	20	131	131	62
01/22/2019	21	128	128	60
01/22/2019	22	135	135	55
01/22/2019	23	133	133	50
01/22/2019	24	115	115	47
01/23/2019	1	107	107	45
01/23/2019	2	107	107	44
01/23/2019	3	107	107	42
01/23/2019	4	107	107	42
01/23/2019	5	107	107	44
01/23/2019	6	108	108	47
01/23/2019	7	112	112	45
01/23/2019	8	115	115	48
01/23/2019	9	122	122	56
01/23/2019	10	130	130	61
01/23/2019	11	130	130	64
01/23/2019	12	130	130	63
01/23/2019	13	131	131	62
01/23/2019	14	131	131	66
01/23/2019	15	131	131	65
01/23/2019	16	127	127	64
01/23/2019	17	127	127	63
01/23/2019	18	126	126	67
01/23/2019	19	127	127	66
01/23/2019	20	127	127	64
01/23/2019	21	127	127	61
01/23/2019	22	125	125	57
01/23/2019	23	123	123	52
01/23/2019	24	117	117	48
01/24/2019	1	106	106	46
01/24/2019	2	106	106	44
01/24/2019	3	97	97	43
01/24/2019	4	96	96	43
01/24/2019	5	106	106	44
01/24/2019	6	107	107	48
01/24/2019	7	111	111	45
01/24/2019	8	114	114	49
01/24/2019	9	122	122	57
01/24/2019	10	130	130	63
01/24/2019	11	130	130	66
01/24/2019	12	130	130	65
01/24/2019	13	131	131	66
01/24/2019	14	132	132	68
01/24/2019	15	132	132	67
01/24/2019	16	128	128	66
01/24/2019	17	128	128	65

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/24/2019	18	128	128	70
01/24/2019	19	128	128	67
01/24/2019	20	128	128	65
01/24/2019	21	128	128	61
01/24/2019	22	125	125	56
01/24/2019	23	122	122	52
01/24/2019	24	116	116	48
01/25/2019	1	111	111	46
01/25/2019	2	110	110	45
01/25/2019	3	109	109	43
01/25/2019	4	110	110	43
01/25/2019	5	111	111	45
01/25/2019	6	112	112	49
01/25/2019	7	112	112	46
01/25/2019	8	114	114	49
01/25/2019	9	121	121	57
01/25/2019	10	128	128	63
01/25/2019	11	129	129	67
01/25/2019	12	129	129	66
01/25/2019	13	129	129	66
01/25/2019	14	129	129	68
01/25/2019	15	129	129	67
01/25/2019	16	125	125	66
01/25/2019	17	125	125	64
01/25/2019	18	125	125	68
01/25/2019	19	125	125	66
01/25/2019	20	125	125	64
01/25/2019	21	125	125	61
01/25/2019	22	117	117	56
01/25/2019	23	115	115	51
01/25/2019	24	112	112	47
01/26/2019	1	115	115	45
01/26/2019	2	115	115	44
01/26/2019	3	114	114	42
01/26/2019	4	114	114	42
01/26/2019	5	115	115	42
01/26/2019	6	115	115	44
01/26/2019	7	115	115	44
01/26/2019	8	115	115	47
01/26/2019	9	123	123	52
01/26/2019	10	131	131	56
01/26/2019	11	132	132	59
01/26/2019	12	132	132	57
01/26/2019	13	133	133	58
01/26/2019	14	133	133	60
01/26/2019	15	132	132	58
01/26/2019	16	128	128	58
01/26/2019	17	128	128	58
01/26/2019	18	128	128	62
01/26/2019	19	129	129	62
01/26/2019	20	129	129	60
01/26/2019	21	129	129	57
01/26/2019	22	119	119	54
01/26/2019	23	117	117	48
01/26/2019	24	116	116	46
01/27/2019	1	106	106	43
01/27/2019	2	106	100	42
01/27/2019	3	106	96	40
01/27/2019	4	103	90	40
01/27/2019	5	106	90	41
01/27/2019	6	108	90	41
01/27/2019	7	112	98	42
01/27/2019	8	116	99	43
01/27/2019	9	122	100	46
01/27/2019	10	128	118	49

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/27/2019	11	129	129	51
01/27/2019	12	129	129	52
01/27/2019	13	129	129	52
01/27/2019	14	129	129	52
01/27/2019	15	128	128	52
01/27/2019	16	124	124	52
01/27/2019	17	124	124	52
01/27/2019	18	125	125	59
01/27/2019	19	126	126	59
01/27/2019	20	126	126	57
01/27/2019	21	126	126	54
01/27/2019	22	117	117	51
01/27/2019	23	113		46
01/27/2019	24	112	102	44
01/28/2019	1	98	96	43
01/28/2019	2	95	95	42
01/28/2019	3	93	93	40
01/28/2019	4	93	92	40
01/28/2019	5	97	96	42
01/28/2019	6	113	113	46
01/28/2019	7	102	102	43
01/28/2019	8	117	117	47
01/28/2019	9	124	124	57
01/28/2019	10	132	132	63
01/28/2019	11	132	132	66
01/28/2019	12	132	132	65
01/28/2019	13	133	133	65
01/28/2019	14	133	133	68
01/28/2019	15	132	132	67
01/28/2019	16	128	128	64
01/28/2019	17	128	128	63
01/28/2019	18	128	128	68
01/28/2019	19	128	128	66
01/28/2019	20	128	128	63
01/28/2019	21	128	128	61
01/28/2019	22	122	122	56
01/28/2019	23	116	116	52
01/28/2019	24	103	103	45
01/30/2019	1	115	115	45
01/30/2019	2	115	115	44
01/30/2019	3	101	101	42
01/30/2019	4	94	92	41
01/30/2019	5	115	115	44
01/30/2019	6	115	115	47
01/30/2019	7	115	115	45
01/30/2019	8	115	115	49
01/30/2019	9	114	114	57
01/30/2019	10	132	132	63
01/30/2019	11	132	132	65
01/30/2019	12	132	132	65
01/30/2019	13	132	132	65
01/30/2019	14	132	132	68
01/30/2019	15	134	134	67
01/30/2019	16	130	130	66
01/30/2019	17	130	130	64
01/30/2019	18	130	130	68
01/30/2019	19	130	130	67
01/30/2019	20	130	130	64
01/30/2019	21	130	130	62
01/30/2019	22	122	122	57
01/30/2019	23	117	117	52
01/30/2019	24	116	116	48
01/31/2019	1	109	96	42
01/31/2019	2	96	96	41
01/31/2019	3	96	94	40

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/31/2019	4	96	88	39
01/31/2019	5	114	99	42
01/31/2019	6	115	115	45
01/31/2019	7	115	106	43
01/31/2019	8	115	115	47
01/31/2019	9	114	114	56
01/31/2019	10	132	132	61
01/31/2019	11	132	132	64
01/31/2019	12	132	132	63
01/31/2019	13	132	132	62
01/31/2019	14	132	132	65
01/31/2019	15	133	133	64
01/31/2019	16	130	130	63
01/31/2019	17	129	129	61
01/31/2019	18	130	130	66
01/31/2019	19	130	130	64
01/31/2019	20	130	130	62
01/31/2019	21	130	130	58
01/31/2019	22	122	122	52
01/31/2019	23	117	117	48
01/31/2019	24	116	116	45
02/01/2019	1	96	89	41
02/01/2019	2	83	83	40
02/01/2019	3	80	80	39
02/01/2019	4	83	83	39
02/01/2019	5	111	96	42
02/01/2019	6	115	115	47
02/01/2019	7	114	114	44
02/01/2019	8	115	115	47
02/01/2019	9	113	113	55
02/01/2019	10	133	133	59
02/01/2019	11	133	133	63
02/01/2019	12	133	133	61
02/01/2019	13	133	133	62
02/01/2019	14	133	133	64
02/01/2019	15	133	133	63
02/01/2019	16	129	129	63
02/01/2019	17	129	129	61
02/01/2019	18	131	131	65
02/01/2019	19	131	131	63
02/01/2019	20	131	131	60
02/01/2019	21	129	129	57
02/01/2019	22	121	121	51
02/01/2019	23	116	116	48
02/01/2019	24	115	113	44
02/02/2019	1	96	88	40
02/02/2019	2	88	88	39
02/02/2019	3	88	87	38
02/02/2019	4	88	88	38
02/02/2019	5	108	102	41
02/02/2019	6	109	109	43
02/02/2019	7	109	109	44
02/02/2019	8	109	109	45
02/02/2019	9	122	122	51
02/02/2019	10	132	132	55
02/02/2019	11	133	133	57
02/02/2019	12	133	133	56
02/02/2019	13	133	133	57
02/02/2019	14	133	133	58
02/02/2019	15	133	133	57
02/02/2019	16	129	129	56
02/02/2019	17	130	130	58
02/02/2019	18	131	131	61
02/02/2019	19	131	131	59
02/02/2019	20	131	131	55

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/02/2019	21	130	130	52
02/02/2019	22	120	120	50
02/02/2019	23	106	105	45
02/02/2019	24	114	114	44
02/03/2019	1	93	93	40
02/03/2019	2	83	83	38
02/03/2019	3	83	83	37
02/03/2019	4	83	83	37
02/03/2019	5	83	83	38
02/03/2019	6	93	90	39
02/03/2019	7	93	91	40
02/03/2019	8	93	91	40
02/03/2019	9	93	93	42
02/03/2019	10	100	100	44
02/03/2019	11	128	105	48
02/03/2019	12	124	105	47
02/03/2019	13	124	105	47
02/03/2019	14	118	105	47
02/03/2019	15	119	105	47
02/03/2019	16	100	100	45
02/03/2019	17	125	105	47
02/03/2019	18	126	126	53
02/03/2019	19	130	130	56
02/03/2019	20	130	130	53
02/03/2019	21	128	128	51
02/03/2019	22	119	119	47
02/03/2019	23	116		43
02/03/2019	24	111	111	40
02/04/2019	1	88	88	38
02/04/2019	2	84	84	37
02/04/2019	3	81	80	37
02/04/2019	4	79	79	37
02/04/2019	5	88	88	39
02/04/2019	6	113	113	45
02/04/2019	7	101	101	42
02/04/2019	8	113	113	46
02/04/2019	9	122	122	54
02/04/2019	10	132	132	58
02/04/2019	11	132	132	61
02/04/2019	12	132	132	60
02/04/2019	13	132	132	60
02/04/2019	14	132	132	63
02/04/2019	15	132	132	62
02/04/2019	16	129	129	61
02/04/2019	17	129	129	60
02/04/2019	18	130	130	65
02/04/2019	19	131	131	64
02/04/2019	20	131	131	61
02/04/2019	21	130	130	57
02/04/2019	22	122	122	52
02/04/2019	23	117	117	48
02/04/2019	24	103	103	43
02/05/2019	1	119	116	44
02/05/2019	2	102	102	42
02/05/2019	3	100	100	41
02/05/2019	4	99	99	41
02/05/2019	5	98	98	41
02/05/2019	6	98	93	42
02/05/2019	7	93	93	40
02/05/2019	8	117	117	46
02/05/2019	9	119	119	50
02/05/2019	10	126	126	56
02/05/2019	11	129	129	59
02/05/2019	12	129	129	58
02/05/2019	13	129	129	58

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/05/2019	14	129	129	60
02/05/2019	15	129	129	58
02/05/2019	16	125	125	58
02/05/2019	17	125	125	57
02/05/2019	18	126	126	63
02/05/2019	19	130	130	61
02/05/2019	20	129	129	59
02/05/2019	21	127	127	56
02/05/2019	22	133	133	51
02/05/2019	23	122	121	47
02/05/2019	24	105	102	44
02/06/2019	1	122	122	45
02/06/2019	2	114	114	44
02/06/2019	3	113	113	43
02/06/2019	4	111	111	42
02/06/2019	5	112	112	44
02/06/2019	6	122	122	48
02/06/2019	7	122	122	45
02/06/2019	8	120	120	49
02/06/2019	9	124	124	58
02/06/2019	10	130	130	63
02/06/2019	11	130	130	66
02/06/2019	12	131	131	64
02/06/2019	13	131	131	66
02/06/2019	14	131	131	67
02/06/2019	15	132	132	66
02/06/2019	16	128	128	66
02/06/2019	17	128	128	63
02/06/2019	18	129	129	68
02/06/2019	19	133	133	66
02/06/2019	20	130	130	64
02/06/2019	21	128	128	61
02/06/2019	22	135	135	56
02/06/2019	23	133		52
02/06/2019	24	128	128	48
02/07/2019	1	115	115	44
02/07/2019	2	113	101	43
02/07/2019	3	103	99	42
02/07/2019	4	103	96	42
02/07/2019	5	113	113	44
02/07/2019	6	114	114	48
02/07/2019	7	114	114	45
02/07/2019	8	115	115	48
02/07/2019	9	123	123	57
02/07/2019	10	131	131	62
02/07/2019	11	132	132	66
02/07/2019	12	132	132	64
02/07/2019	13	132	132	65
02/07/2019	14	132	132	67
02/07/2019	15	133	133	67
02/07/2019	16	129	129	66
02/07/2019	17	129	129	64
02/07/2019	18	138	131	69
02/07/2019	19	131	131	67
02/07/2019	20	131	131	65
02/07/2019	21	129	129	62
02/07/2019	22	122	122	57
02/07/2019	23	116	116	52
02/07/2019	24	115	115	47
02/08/2019	1	114	114	45
02/08/2019	2	113	113	44
02/08/2019	3	112	112	43
02/08/2019	4	112	112	43
02/08/2019	5	114	114	44
02/08/2019	6	115	115	48

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/08/2019	7	115	115	46
02/08/2019	8	115	115	49
02/08/2019	9	120	120	59
02/08/2019	10	128	128	64
02/08/2019	11	129	129	66
02/08/2019	12	129	129	66
02/08/2019	13	129	129	66
02/08/2019	14	129	129	68
02/08/2019	15	129	129	67
02/08/2019	16	125	125	65
02/08/2019	17	125	125	64
02/08/2019	18	126	126	67
02/08/2019	19	126	126	68
02/08/2019	20	126	126	63
02/08/2019	21	125	125	60
02/08/2019	22	116	116	55
02/08/2019	23	117		51
02/08/2019	24	116	116	47
02/09/2019	1	114	114	45
02/09/2019	2	113	113	43
02/09/2019	3	112	112	43
02/09/2019	4	112	112	42
02/09/2019	5	113	113	42
02/09/2019	6	114	114	45
02/09/2019	7	114	114	45
02/09/2019	8	114	114	47
02/09/2019	9	118	118	52
02/09/2019	10	126	126	56
02/09/2019	11	126	126	59
02/09/2019	12	127	127	58
02/09/2019	13	128	128	59
02/09/2019	14	128	128	60
02/09/2019	15	128	128	60
02/09/2019	16	124	124	59
02/09/2019	17	123	123	58
02/09/2019	18	125	125	63
02/09/2019	19	126	126	63
02/09/2019	20	126	126	61
02/09/2019	21	125	125	57
02/09/2019	22	116	116	54
02/09/2019	23	116	116	49
02/09/2019	24	109	104	45
02/10/2019	1	113	113	44
02/10/2019	2	105	105	43
02/10/2019	3	103	103	41
02/10/2019	4	97	97	41
02/10/2019	5	99	99	41
02/10/2019	6	113	111	42
02/10/2019	7	113	113	43
02/10/2019	8	113	113	44
02/10/2019	9	111	111	47
02/10/2019	10	124	124	50
02/10/2019	11	124	124	53
02/10/2019	12	124	124	52
02/10/2019	13	126	126	53
02/10/2019	14	126	126	53
02/10/2019	15	126	126	52
02/10/2019	16	122	122	52
02/10/2019	17	122	122	52
02/10/2019	18	123	123	59
02/10/2019	19	125	125	60
02/10/2019	20	125	125	59
02/10/2019	21	123	123	56
02/10/2019	22	114	114	52
02/10/2019	23	116		48

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/10/2019	24	115	115	45
02/11/2019	1	113	113	42
02/11/2019	2	98	98	41
02/11/2019	3	98	88	40
02/11/2019	4	98	88	40
02/11/2019	5	113	113	42
02/11/2019	6	114	114	46
02/11/2019	7	114	114	43
02/11/2019	8	114	114	48
02/11/2019	9	118	118	56
02/11/2019	10	126	126	62
02/11/2019	11	127	127	65
02/11/2019	12	127	127	64
02/11/2019	13	128	128	64
02/11/2019	14	128	128	66
02/11/2019	15	128	128	65
02/11/2019	16	125	125	64
02/11/2019	17	125	125	62
02/11/2019	18	125	125	66
02/11/2019	19	125	125	67
02/11/2019	20	125	125	64
02/11/2019	21	125	125	60
02/11/2019	22	116	116	55
02/11/2019	23	115	115	50
02/11/2019	24	115	115	46
02/12/2019	1	150	80	45
02/12/2019	2	150	80	43
02/12/2019	3	150	79	42
02/12/2019	4	150	79	41
02/12/2019	5	150	79	44
02/12/2019	6	150	81	46
02/12/2019	7	150	84	45
02/12/2019	8	150	88	50
02/12/2019	9	150	123	58
02/12/2019	10	150	130	63
02/12/2019	11	150	130	66
02/12/2019	12	150	131	64
02/12/2019	13	150	131	65
02/12/2019	14	150	131	68
02/12/2019	15	150	131	67
02/12/2019	16	150	127	66
02/12/2019	17	150	127	64
02/12/2019	18	150	127	68
02/12/2019	19	150	128	67
02/12/2019	20	150	127	65
02/12/2019	21	150	127	61
02/12/2019	22	150	118	55
02/12/2019	23	150	114	50
02/12/2019	24	150	85	47
02/13/2019	1	150	79	45
02/13/2019	2	150	79	43
02/13/2019	3	150	79	42
02/13/2019	4	150	79	41
02/13/2019	5	150	79	44
02/13/2019	6	150	80	48
02/13/2019	7	150	84	45
02/13/2019	8	150	115	49
02/13/2019	9	150	122	58
02/13/2019	10	150	131	63
02/13/2019	11	150	131	66
02/13/2019	12	150	132	65
02/13/2019	13	150	132	64
02/13/2019	14	150	132	68
02/13/2019	15	150	132	66
02/13/2019	16	150	128	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/13/2019	17	150	128	63
02/13/2019	18	150	128	67
02/13/2019	19	150	128	69
02/13/2019	20	150	128	64
02/13/2019	21	150	127	61
02/13/2019	22	150	119	56
02/13/2019	23	150	113	51
02/13/2019	24	150	112	48
02/14/2019	1	150	79	42
02/14/2019	2	150	79	41
02/14/2019	3	150	79	40
02/14/2019	4	135	79	39
02/14/2019	5	150	79	42
02/14/2019	6	150	80	46
02/14/2019	7	150	84	43
02/14/2019	8	150	115	48
02/14/2019	9	150	122	56
02/14/2019	10	150	129	63
02/14/2019	11	150	129	64
02/14/2019	12	150	130	63
02/14/2019	13	150	130	63
02/14/2019	14	150	130	66
02/14/2019	15	150	132	66
02/14/2019	16	150	128	65
02/14/2019	17	150	128	63
02/14/2019	18	150	128	65
02/14/2019	19	150	128	68
02/14/2019	20	150	128	64
02/14/2019	21	150	127	60
02/14/2019	22	150	119	55
02/14/2019	23	150		50
02/14/2019	24	133	105	45
02/15/2019	1	150	78	43
02/15/2019	2	150	78	41
02/15/2019	3	150	78	41
02/15/2019	4	150	78	40
02/15/2019	5	150	78	42
02/15/2019	6	150	79	47
02/15/2019	7	150	83	44
02/15/2019	8	150	114	48
02/15/2019	9	150	121	56
02/15/2019	10	150	129	62
02/15/2019	11	150	129	65
02/15/2019	12	150	130	64
02/15/2019	13	150	130	64
02/15/2019	14	150	130	68
02/15/2019	15	150	130	67
02/15/2019	16	150	126	66
02/15/2019	17	150	126	63
02/15/2019	18	150	138	65
02/15/2019	19	150	147	67
02/15/2019	20	150	147	63
02/15/2019	21	150	147	60
02/15/2019	22	150	147	55
02/15/2019	23	150	147	49
02/15/2019	24	136	133	47
02/16/2019	1	116	116	45
02/16/2019	2	116	116	44
02/16/2019	3	115	115	42
02/16/2019	4	113	113	41
02/16/2019	5	113	113	42
02/16/2019	6	115	115	45
02/16/2019	7	115	115	45
02/16/2019	8	116	116	46
02/16/2019	9	120	120	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/16/2019	10	128	128	57
02/16/2019	11	131	131	59
02/16/2019	12	131	131	60
02/16/2019	13	131	131	58
02/16/2019	14	131	131	63
02/16/2019	15	131	131	61
02/16/2019	16	127	127	61
02/16/2019	17	127	127	58
02/16/2019	18	131	131	62
02/16/2019	19	134	134	64
02/16/2019	20	134	134	61
02/16/2019	21	134	134	59
02/16/2019	22	127	127	54
02/16/2019	23	127	127	50
02/16/2019	24	122	122	47
02/17/2019	1	117	117	44
02/17/2019	2	112	110	42
02/17/2019	3	111	109	41
02/17/2019	4	103	103	41
02/17/2019	5	106	106	41
02/17/2019	6	114	107	42
02/17/2019	7	114	108	43
02/17/2019	8	116	106	44
02/17/2019	9	122	110	46
02/17/2019	10	129	129	50
02/17/2019	11	129	129	53
02/17/2019	12	129	129	54
02/17/2019	13	129	129	55
02/17/2019	14	129	129	55
02/17/2019	15	129	129	54
02/17/2019	16	126	126	53
02/17/2019	17	127	127	52
02/17/2019	18	127	127	59
02/17/2019	19	134	134	61
02/17/2019	20	134	134	59
02/17/2019	21	132	132	57
02/17/2019	22	130	130	53
02/17/2019	23	130		49
02/17/2019	24	124	124	47
02/18/2019	1	120	120	43
02/18/2019	2	111	96	41
02/18/2019	3	96	87	40
02/18/2019	4	95	88	40
02/18/2019	5	117	117	42
02/18/2019	6	119	119	46
02/18/2019	7	112	109	42
02/18/2019	8	116	116	48
02/18/2019	9	123	123	56
02/18/2019	10	130	130	63
02/18/2019	11	131	131	64
02/18/2019	12	131	131	63
02/18/2019	13	131	131	62
02/18/2019	14	131	131	65
02/18/2019	15	131	131	64
02/18/2019	16	127	127	63
02/18/2019	17	127	127	62
02/18/2019	18	127	127	65
02/18/2019	19	128	128	67
02/18/2019	20	128	128	63
02/18/2019	21	127	127	59
02/18/2019	22	119	119	54
02/18/2019	23	116	116	49
02/18/2019	24	100	100	44
02/19/2019	1	116	116	44
02/19/2019	2	115	115	43

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/19/2019	3	113	113	42
02/19/2019	4	112	112	41
02/19/2019	5	114	114	42
02/19/2019	6	116	116	46
02/19/2019	7	117	117	44
02/19/2019	8	115	115	48
02/19/2019	9	122	122	57
02/19/2019	10	131	131	62
02/19/2019	11	135	135	65
02/19/2019	12	132	132	64
02/19/2019	13	133	133	65
02/19/2019	14	135	135	67
02/19/2019	15	135	135	67
02/19/2019	16	129	129	65
02/19/2019	17	129	129	63
02/19/2019	18	131	131	65
02/19/2019	19	135	135	68
02/19/2019	20	136	136	63
02/19/2019	21	134	134	60
02/19/2019	22	131	131	54
02/19/2019	23	131	131	51
02/19/2019	24	126	126	47
02/20/2019	1	112	112	45
02/20/2019	2	112	112	43
02/20/2019	3	112	112	42
02/20/2019	4	112	112	41
02/20/2019	5	113	113	44
02/20/2019	6	113	113	48
02/20/2019	7	113	113	44
02/20/2019	8	116	116	49
02/20/2019	9	123	123	57
02/20/2019	10	132	132	62
02/20/2019	11	132	132	65
02/20/2019	12	132	132	64
02/20/2019	13	133	133	65
02/20/2019	14	133	133	68
02/20/2019	15	132	132	68
02/20/2019	16	129	129	66
02/20/2019	17	129	129	64
02/20/2019	18	129	129	66
02/20/2019	19	129	129	69
02/20/2019	20	129	129	66
02/20/2019	21	129	129	62
02/20/2019	22	118	118	56
02/20/2019	23	116	116	51
02/20/2019	24	114	114	48
02/21/2019	1	110	110	45
02/21/2019	2	110	110	44
02/21/2019	3	109	109	43
02/21/2019	4	109	109	42
02/21/2019	5	111	111	45
02/21/2019	6	111	111	49
02/21/2019	7	111	111	45
02/21/2019	8	116	116	49
02/21/2019	9	123	123	57
02/21/2019	10	132	132	63
02/21/2019	11	133	133	66
02/21/2019	12	133	133	64
02/21/2019	13	133	133	65
02/21/2019	14	133	133	69
02/21/2019	15	133	133	68
02/21/2019	16	129	129	67
02/21/2019	17	129	129	64
02/21/2019	18	129	129	66
02/21/2019	19	129	129	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/21/2019	20	130	130	66
02/21/2019	21	130	130	62
02/21/2019	22	118	118	57
02/21/2019	23	114	114	51
02/21/2019	24	112	112	48
02/22/2019	1	112	112	48
02/22/2019	2	112	112	46
02/22/2019	3	112	112	45
02/22/2019	4	112	112	44
02/22/2019	5	113	113	45
02/22/2019	6	114	114	48
02/22/2019	7	113	113	45
02/22/2019	8	116	116	49
02/22/2019	9	123	123	58
02/22/2019	10	132	132	63
02/22/2019	11	134	132	67
02/22/2019	12	132	132	66
02/22/2019	13	132	132	67
02/22/2019	14	132	132	68
02/22/2019	15	132	132	68
02/22/2019	16	129	129	67
02/22/2019	17	129	129	64
02/22/2019	18	129	129	67
02/22/2019	19	130	130	69
02/22/2019	20	130	130	66
02/22/2019	21	130	130	62
02/22/2019	22	118	118	56
02/22/2019	23	115	115	51
02/22/2019	24	114	114	49
02/23/2019	1	114	114	46
02/23/2019	2	113	113	44
02/23/2019	3	112	112	43
02/23/2019	4	112	112	42
02/23/2019	5	112	112	44
02/23/2019	6	114	114	45
02/23/2019	7	114	114	44
02/23/2019	8	116	116	48
02/23/2019	9	123	123	55
02/23/2019	10	131	131	59
02/23/2019	11	131	131	61
02/23/2019	12	131	131	60
02/23/2019	13	131	131	59
02/23/2019	14	131	131	62
02/23/2019	15	131	131	61
02/23/2019	16	127	127	60
02/23/2019	17	127	127	58
02/23/2019	18	128	128	62
02/23/2019	19	130	130	64
02/23/2019	20	130	130	62
02/23/2019	21	129	129	59
02/23/2019	22	116	116	54
02/23/2019	23	115	115	50
02/23/2019	24	114	114	47
02/24/2019	1	107	107	45
02/24/2019	2	106	106	43
02/24/2019	3	101	101	42
02/24/2019	4	101	101	41
02/24/2019	5	101	101	41
02/24/2019	6	102	102	43
02/24/2019	7	102	102	43
02/24/2019	8	116	116	44
02/24/2019	9	122	122	47
02/24/2019	10	129	129	50
02/24/2019	11	130	130	53
02/24/2019	12	130	130	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/24/2019	13	130	130	55
02/24/2019	14	130	130	56
02/24/2019	15	130	130	55
02/24/2019	16	126	126	54
02/24/2019	17	126	126	52
02/24/2019	18	127	127	58
02/24/2019	19	128	128	63
02/24/2019	20	128	128	60
02/24/2019	21	127	127	57
02/24/2019	22	116	116	53
02/24/2019	23	115		49
02/24/2019	24	113	113	48
02/25/2019	1	105	105	43
02/25/2019	2	106	106	42
02/25/2019	3	103	103	41
02/25/2019	4	101	101	41
02/25/2019	5	102	102	41
02/25/2019	6	107	107	44
02/25/2019	7	107	107	45
02/25/2019	8	116	116	46
02/25/2019	9	123	123	53
02/25/2019	10	131	131	56
02/25/2019	11	131	131	60
02/25/2019	12	131	131	60
02/25/2019	13	131	131	60
02/25/2019	14	131	131	62
02/25/2019	15	131	131	61
02/25/2019	16	128	128	60
02/25/2019	17	128	128	59
02/25/2019	18	143	129	63
02/25/2019	19	145	133	65
02/25/2019	20	138	130	63
02/25/2019	21	128	128	60
02/25/2019	22	119	119	54
02/25/2019	23	114	114	50
02/25/2019	24	112	112	47
02/26/2019	1	111	111	44
02/26/2019	2	111	111	43
02/26/2019	3	111	111	42
02/26/2019	4	111	111	41
02/26/2019	5	112	112	44
02/26/2019	6	113	113	49
02/26/2019	7	112	112	45
02/26/2019	8	116	116	48
02/26/2019	9	123	123	57
02/26/2019	10	131	131	63
02/26/2019	11	131	131	65
02/26/2019	12	131	131	65
02/26/2019	13	131	131	65
02/26/2019	14	131	131	67
02/26/2019	15	131	131	66
02/26/2019	16	128	128	66
02/26/2019	17	128	128	64
02/26/2019	18	128	128	66
02/26/2019	19	135	135	68
02/26/2019	20	130	130	66
02/26/2019	21	128	128	61
02/26/2019	22	119	119	55
02/26/2019	23	115	115	51
02/26/2019	24	113	113	48
02/27/2019	1	112	112	45
02/27/2019	2	112	112	44
02/27/2019	3	112	112	42
02/27/2019	4	112	112	42
02/27/2019	5	113	113	44

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/27/2019	6	114	114	49
02/27/2019	7	113	113	45
02/27/2019	8	114	114	49
02/27/2019	9	121	121	59
02/27/2019	10	133	131	63
02/27/2019	11	144	144	66
02/27/2019	12	143	143	66
02/27/2019	13	149	144	67
02/27/2019	14	150	144	69
02/27/2019	15	150	142	68
02/27/2019	16	149	139	67
02/27/2019	17	144	134	65
02/27/2019	18	149	141	66
02/27/2019	19	150	144	69
02/27/2019	20	147	139	65
02/27/2019	21	135	134	62
02/27/2019	22	128	118	56
02/27/2019	23	115	115	52
02/27/2019	24	114	114	48
02/28/2019	1	118	118	45
02/28/2019	2	117	117	44
02/28/2019	3	115	115	42
02/28/2019	4	114	114	42
02/28/2019	5	115	115	44
02/28/2019	6	118	118	48
02/28/2019	7	117	117	45
02/28/2019	8	115	115	49
02/28/2019	9	132	125	58
02/28/2019	10	150	144	63
02/28/2019	11	150	144	67
02/28/2019	12	150	144	66
02/28/2019	13	150	150	67
02/28/2019	14	150	150	69
02/28/2019	15	150	150	69
02/28/2019	16	150	150	67
02/28/2019	17	150	150	65
02/28/2019	18	150	150	66
02/28/2019	19	150	150	69
02/28/2019	20	150	150	65
02/28/2019	21	146	143	62
02/28/2019	22	133	133	56
02/28/2019	23	126	126	51
02/28/2019	24	122	122	49
03/01/2019	1	116	116	45
03/01/2019	2	114	114	44
03/01/2019	3	113	113	42
03/01/2019	4	111	111	42
03/01/2019	5	112	112	44
03/01/2019	6	115	115	48
03/01/2019	7	115	115	44
03/01/2019	8	114	114	49
03/01/2019	9	130	130	58
03/01/2019	10	148	140	64
03/01/2019	11	150	143	67
03/01/2019	12	150	143	65
03/01/2019	13	150	143	66
03/01/2019	14	150	150	69
03/01/2019	15	150	150	68
03/01/2019	16	150	150	67
03/01/2019	17	150	150	64
03/01/2019	18	150	150	65
03/01/2019	19	150	150	68
03/01/2019	20	150	150	65
03/01/2019	21	147	138	61
03/01/2019	22	136	136	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/01/2019	23	124	124	50
03/01/2019	24	119	119	47
03/02/2019	1	136	117	46
03/02/2019	2	136	116	44
03/02/2019	3	134	115	43
03/02/2019	4	134	113	43
03/02/2019	5	134	112	43
03/02/2019	6	135	115	45
03/02/2019	7	142	115	45
03/02/2019	8	147	136	48
03/02/2019	9	147	140	55
03/02/2019	10	148	142	59
03/02/2019	11	150	144	63
03/02/2019	12	150	146	62
03/02/2019	13	150	150	64
03/02/2019	14	150	150	66
03/02/2019	15	150	150	66
03/02/2019	16	150	150	64
03/02/2019	17	150	150	61
03/02/2019	18	150	150	64
03/02/2019	19	150	150	66
03/02/2019	20	150	150	64
03/02/2019	21	150	150	60
03/02/2019	22	150	150	56
03/02/2019	23	150		51
03/02/2019	24	149	149	47
03/03/2019	1	134	123	45
03/03/2019	2	134	120	44
03/03/2019	3	134	119	42
03/03/2019	4	134	118	41
03/03/2019	5	134	118	42
03/03/2019	6	134	119	43
03/03/2019	7	142	119	43
03/03/2019	8	147	142	44
03/03/2019	9	147	145	49
03/03/2019	10	150	150	53
03/03/2019	11	150	150	56
03/03/2019	12	150	150	56
03/03/2019	13	150	150	57
03/03/2019	14	150	150	58
03/03/2019	15	150	150	57
03/03/2019	16	150	150	56
03/03/2019	17	150	150	55
03/03/2019	18	150	150	59
03/03/2019	19	150	150	62
03/03/2019	20	150	150	60
03/03/2019	21	150	150	58
03/03/2019	22	150	150	54
03/03/2019	23	150	150	50
03/03/2019	24	147	147	47
03/04/2019	1	134	120	43
03/04/2019	2	134	118	42
03/04/2019	3	134	114	40
03/04/2019	4	134	108	40
03/04/2019	5	134	116	42
03/04/2019	6	134	118	46
03/04/2019	7	142	119	43
03/04/2019	8	147	143	48
03/04/2019	9	150	150	56
03/04/2019	10	150	150	62
03/04/2019	11	150	150	65
03/04/2019	12	150	150	65
03/04/2019	13	150	150	66
03/04/2019	14	150	150	68
03/04/2019	15	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/04/2019	16	150	150	66
03/04/2019	17	150	150	64
03/04/2019	18	150	150	65
03/04/2019	19	150	150	68
03/04/2019	20	150	150	66
03/04/2019	21	150	150	61
03/04/2019	22	150	150	56
03/04/2019	23	150	150	51
03/04/2019	24	148	148	47
03/05/2019	1	130	111	45
03/05/2019	2	130	110	43
03/05/2019	3	130	110	42
03/05/2019	4	130	110	41
03/05/2019	5	130	110	44
03/05/2019	6	130	112	48
03/05/2019	7	138	111	45
03/05/2019	8	140	111	50
03/05/2019	9	144	120	58
03/05/2019	10	149	134	63
03/05/2019	11	149	134	67
03/05/2019	12	149	135	66
03/05/2019	13	149	136	67
03/05/2019	14	149	142	70
03/05/2019	15	149	140	69
03/05/2019	16	149	140	69
03/05/2019	17	149	135	65
03/05/2019	18	149	140	66
03/05/2019	19	149	142	68
03/05/2019	20	149	138	65
03/05/2019	21	149	127	62
03/05/2019	22	148	123	56
03/05/2019	23	140	114	51
03/05/2019	24	136	112	49
03/06/2019	1	128	112	47
03/06/2019	2	128	111	45
03/06/2019	3	128	111	44
03/06/2019	4	128	111	43
03/06/2019	5	128	111	46
03/06/2019	6	128	113	49
03/06/2019	7	136	112	46
03/06/2019	8	136	112	52
03/06/2019	9	142	124	61
03/06/2019	10	149	134	65
03/06/2019	11	149	148	69
03/06/2019	12	149	145	68
03/06/2019	13	150	150	69
03/06/2019	14	150	150	72
03/06/2019	15	149	148	70
03/06/2019	16	149	148	70
03/06/2019	17	149	148	66
03/06/2019	18	149	148	67
03/06/2019	19	150	150	70
03/06/2019	20	149	141	67
03/06/2019	21	149	138	63
03/06/2019	22	146	123	58
03/06/2019	23	140		54
03/06/2019	24	136	118	49
03/07/2019	1	129	112	48
03/07/2019	2	129	111	46
03/07/2019	3	129	111	44
03/07/2019	4	129	111	43
03/07/2019	5	129	111	46
03/07/2019	6	129	113	50
03/07/2019	7	136	112	46
03/07/2019	8	137	112	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/07/2019	9	141	123	61
03/07/2019	10	149	123	65
03/07/2019	11	149	135	69
03/07/2019	12	149	123	67
03/07/2019	13	149	123	69
03/07/2019	14	150	135	71
03/07/2019	15	149	126	70
03/07/2019	16	149	131	69
03/07/2019	17	149	123	65
03/07/2019	18	149	125	67
03/07/2019	19	149	138	69
03/07/2019	20	149	138	66
03/07/2019	21	149	138	63
03/07/2019	22	148	123	58
03/07/2019	23	144	115	53
03/07/2019	24	137	115	50
03/08/2019	1	127	118	47
03/08/2019	2	127	113	45
03/08/2019	3	127	113	44
03/08/2019	4	127	113	43
03/08/2019	5	127	113	46
03/08/2019	6	127	115	49
03/08/2019	7	134	114	46
03/08/2019	8	135	114	51
03/08/2019	9	150	128	61
03/08/2019	10	150	133	65
03/08/2019	11	150	150	68
03/08/2019	12	150	150	67
03/08/2019	13	150	150	67
03/08/2019	14	150	150	69
03/08/2019	15	150	150	68
03/08/2019	16	150	150	67
03/08/2019	17	150	150	65
03/08/2019	18	150	150	66
03/08/2019	19	150	150	68
03/08/2019	20	150	150	66
03/08/2019	21	150	138	63
03/08/2019	22	150	123	58
03/08/2019	23	143	117	53
03/08/2019	24	135	117	50
03/09/2019	1	128	128	47
03/09/2019	2	127	127	46
03/09/2019	3	125	121	45
03/09/2019	4	125	112	43
03/09/2019	5	125	120	44
03/09/2019	6	134	134	46
03/09/2019	7	133	128	46
03/09/2019	8	150	150	50
03/09/2019	9	150	150	54
03/09/2019	10	150	150	61
03/09/2019	11	150	150	65
03/09/2019	12	150	150	64
03/09/2019	13	150	150	64
03/09/2019	14	150	150	67
03/09/2019	15	150	150	66
03/09/2019	16	150	150	65
03/09/2019	17	150	150	63
03/09/2019	18	150	150	65
03/09/2019	19	150	150	66
03/09/2019	20	150	150	64
03/09/2019	21	150	150	60
03/09/2019	22	150	150	57
03/09/2019	23	143		52
03/09/2019	24	133	114	48
03/10/2019	1	125	111	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/10/2019	2	125	110	45
03/10/2019	3	125	110	43
03/10/2019	4	125	110	42
03/10/2019	5	125	110	42
03/10/2019	6	125	112	43
03/10/2019	7	133	111	43
03/10/2019	8	133	111	45
03/10/2019	9	141	114	49
03/10/2019	10	148	128	52
03/10/2019	11	148	148	56
03/10/2019	12	148	148	57
03/10/2019	13	148	148	57
03/10/2019	14	148	148	58
03/10/2019	15	148	148	57
03/10/2019	16	148	148	56
03/10/2019	17	148	148	55
03/10/2019	18	150	150	60
03/10/2019	19	150	150	63
03/10/2019	20	150	150	61
03/10/2019	21	148	148	59
03/10/2019	22	147	143	56
03/10/2019	23	143	124	51
03/10/2019	24	133	118	48
03/11/2019	1	128	114	45
03/11/2019	2	128	107	43
03/11/2019	3	128	107	42
03/11/2019	4	128	107	41
03/11/2019	5	128	113	43
03/11/2019	6	128	123	48
03/11/2019	7	136	110	45
03/11/2019	8	137	123	51
03/11/2019	9	148	134	60
03/11/2019	10	150	150	64
03/11/2019	11	150	150	67
03/11/2019	12	150	150	66
03/11/2019	13	150	150	68
03/11/2019	14	150	150	70
03/11/2019	15	150	150	69
03/11/2019	16	150	150	68
03/11/2019	17	150	150	65
03/11/2019	18	150	150	66
03/11/2019	19	150	150	69
03/11/2019	20	150	150	66
03/11/2019	21	150	150	61
03/11/2019	22	150	146	57
03/11/2019	23	150	144	53
03/11/2019	24	136	128	49
03/12/2019	1	145	138	46
03/12/2019	2	145	121	44
03/12/2019	3	143	121	43
03/12/2019	4	143	121	42
03/12/2019	5	143	123	45
03/12/2019	6	143	138	49
03/12/2019	7	143	128	45
03/12/2019	8	144	133	50
03/12/2019	9	144	133	59
03/12/2019	10	150	150	64
03/12/2019	11	150	150	68
03/12/2019	12	150	150	67
03/12/2019	13	150	150	68
03/12/2019	14	150	150	70
03/12/2019	15	150	150	69
03/12/2019	16	150	150	67
03/12/2019	17	148	148	64
03/12/2019	18	150	150	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/12/2019	19	150	150	68
03/12/2019	20	150	150	66
03/12/2019	21	148	148	62
03/12/2019	22	145	145	57
03/12/2019	23	143	128	53
03/12/2019	24	143	125	50
03/13/2019	1	133	128	46
03/13/2019	2	131	124	45
03/13/2019	3	129	123	44
03/13/2019	4	129	121	43
03/13/2019	5	129	128	45
03/13/2019	6	135	135	48
03/13/2019	7	139	124	45
03/13/2019	8	141	125	50
03/13/2019	9	150	147	60
03/13/2019	10	150	150	64
03/13/2019	11	150	150	68
03/13/2019	12	150	150	68
03/13/2019	13	150	150	69
03/13/2019	14	150	150	70
03/13/2019	15	150	150	69
03/13/2019	16	150	150	68
03/13/2019	17	148	148	65
03/13/2019	18	150	150	66
03/13/2019	19	150	150	68
03/13/2019	20	150	150	65
03/13/2019	21	150	150	63
03/13/2019	22	144	143	57
03/13/2019	23	146		52
03/13/2019	24	143	132	48
03/14/2019	1	139	128	47
03/14/2019	2	139	128	46
03/14/2019	3	139	123	44
03/14/2019	4	139	123	44
03/14/2019	5	139	128	46
03/14/2019	6	139	133	48
03/14/2019	7	139	126	45
03/14/2019	8	140	135	50
03/14/2019	9	140	138	58
03/14/2019	10	150	138	64
03/14/2019	11	150	138	67
03/14/2019	12	150	138	65
03/14/2019	13	150	146	66
03/14/2019	14	150	150	69
03/14/2019	15	150	150	67
03/14/2019	16	150	150	67
03/14/2019	17	150	144	65
03/14/2019	18	150	145	66
03/14/2019	19	150	150	68
03/14/2019	20	150	141	65
03/14/2019	21	150	142	62
03/14/2019	22	142	142	57
03/14/2019	23	140	140	52
03/14/2019	24	139	138	48
03/15/2019	1	148	133	47
03/15/2019	2	148	131	45
03/15/2019	3	148	125	43
03/15/2019	4	148	124	42
03/15/2019	5	148	128	45
03/15/2019	6	148	133	48
03/15/2019	7	148	130	45
03/15/2019	8	149	143	51
03/15/2019	9	149	143	60
03/15/2019	10	150	150	65
03/15/2019	11	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/15/2019	12	150	150	67
03/15/2019	13	150	150	68
03/15/2019	14	150	150	70
03/15/2019	15	150	150	69
03/15/2019	16	150	150	68
03/15/2019	17	150	150	65
03/15/2019	18	150	150	67
03/15/2019	19	150	150	68
03/15/2019	20	150	150	66
03/15/2019	21	150	150	62
03/15/2019	22	150	150	58
03/15/2019	23	148	140	53
03/15/2019	24	148	136	49
03/16/2019	1	150	150	47
03/16/2019	2	150	150	46
03/16/2019	3	150	150	45
03/16/2019	4	150	150	43
03/16/2019	5	150	150	44
03/16/2019	6	150	150	47
03/16/2019	7	150	150	47
03/16/2019	8	150	150	50
03/16/2019	9	150	150	56
03/16/2019	10	150	150	62
03/16/2019	11	150	150	65
03/16/2019	12	150	150	65
03/16/2019	13	150	150	65
03/16/2019	14	150	150	67
03/16/2019	15	150	150	66
03/16/2019	16	150	150	65
03/16/2019	17	150	150	63
03/16/2019	18	150	150	64
03/16/2019	19	150	150	66
03/16/2019	20	150	150	64
03/16/2019	21	150	150	62
03/16/2019	22	150	150	58
03/16/2019	23	150		52
03/16/2019	24	150	150	49
03/17/2019	1	150	147	47
03/17/2019	2	150	147	45
03/17/2019	3	150	147	44
03/17/2019	4	150	147	43
03/17/2019	5	150	147	43
03/17/2019	6	150	147	44
03/17/2019	7	150	147	44
03/17/2019	8	150	148	45
03/17/2019	9	150	148	49
03/17/2019	10	150	148	53
03/17/2019	11	150	148	57
03/17/2019	12	150	148	57
03/17/2019	13	150	150	58
03/17/2019	14	150	148	60
03/17/2019	15	150	148	59
03/17/2019	16	150	148	56
03/17/2019	17	150	148	55
03/17/2019	18	150	150	60
03/17/2019	19	150	150	64
03/17/2019	20	150	150	62
03/17/2019	21	150	148	59
03/17/2019	22	150	147	55
03/17/2019	23	150	147	51
03/17/2019	24	150	147	47
03/18/2019	1	150	150	45
03/18/2019	2	150	150	43
03/18/2019	3	150	150	42
03/18/2019	4	150	150	41

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/18/2019	5	150	150	44
03/18/2019	6	150	150	47
03/18/2019	7	150	150	45
03/18/2019	8	150	150	50
03/18/2019	9	150	150	59
03/18/2019	10	150	150	64
03/18/2019	11	150	150	68
03/18/2019	12	150	150	67
03/18/2019	13	150	150	68
03/18/2019	14	150	150	70
03/18/2019	15	150	150	69
03/18/2019	16	150	150	67
03/18/2019	17	150	150	65
03/18/2019	18	150	150	67
03/18/2019	19	150	150	69
03/18/2019	20	150	150	66
03/18/2019	21	150	150	62
03/18/2019	22	150	150	57
03/18/2019	23	150	150	52
03/18/2019	24	150	150	48
03/19/2019	1	150	147	44
03/19/2019	2	150	147	43
03/19/2019	3	150	147	41
03/19/2019	4	150	147	41
03/19/2019	5	150	147	42
03/19/2019	6	150	147	47
03/19/2019	7	150	147	44
03/19/2019	8	150	148	49
03/19/2019	9	150	148	58
03/19/2019	10	150	150	63
03/19/2019	11	150	150	67
03/19/2019	12	150	150	66
03/19/2019	13	150	150	67
03/19/2019	14	150	150	68
03/19/2019	15	150	150	67
03/19/2019	16	150	150	66
03/19/2019	17	150	150	64
03/19/2019	18	150	150	65
03/19/2019	19	150	150	68
03/19/2019	20	150	150	65
03/19/2019	21	150	150	63
03/19/2019	22	150	150	57
03/19/2019	23	150	147	52
03/19/2019	24	150	147	48
03/20/2019	1	150	148	46
03/20/2019	2	150	148	45
03/20/2019	3	150	148	43
03/20/2019	4	150	148	43
03/20/2019	5	150	148	45
03/20/2019	6	150	148	48
03/20/2019	7	150	148	45
03/20/2019	8	150	149	50
03/20/2019	9	150	150	60
03/20/2019	10	150	150	65
03/20/2019	11	150	150	68
03/20/2019	12	150	150	67
03/20/2019	13	150	150	69
03/20/2019	14	150	150	70
03/20/2019	15	150	150	69
03/20/2019	16	150	150	68
03/20/2019	17	150	150	66
03/20/2019	18	150	150	66
03/20/2019	19	150	150	68
03/20/2019	20	150	150	65
03/20/2019	21	150	150	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/20/2019	22	150	150	58
03/20/2019	23	150		53
03/20/2019	24	150	148	48
03/21/2019	1	146	109	46
03/21/2019	2	147	107	44
03/21/2019	3	147	104	44
03/21/2019	4	147	103	43
03/21/2019	5	147	112	45
03/21/2019	6	147	118	48
03/21/2019	7	147	115	45
03/21/2019	8	148	130	49
03/21/2019	9	148	131	58
03/21/2019	10	150	150	63
03/21/2019	11	150	150	66
03/21/2019	12	150	135	65
03/21/2019	13	150	143	67
03/21/2019	14	150	150	70
03/21/2019	15	150	150	68
03/21/2019	16	150	150	67
03/21/2019	17	150	150	65
03/21/2019	18	150	150	67
03/21/2019	19	150	150	68
03/21/2019	20	150	148	64
03/21/2019	21	148	135	60
03/21/2019	22	150	150	56
03/21/2019	23	147	137	52
03/21/2019	24	147	133	47
03/22/2019	1	130	130	46
03/22/2019	2	129	129	44
03/22/2019	3	129	129	44
03/22/2019	4	127	126	43
03/22/2019	5	134	134	46
03/22/2019	6	135	135	49
03/22/2019	7	130	116	46
03/22/2019	8	139	135	51
03/22/2019	9	149	142	59
03/22/2019	10	150	150	66
03/22/2019	11	150	150	67
03/22/2019	12	150	150	67
03/22/2019	13	150	150	68
03/22/2019	14	150	150	68
03/22/2019	15	150	150	67
03/22/2019	16	150	150	66
03/22/2019	17	150	150	65
03/22/2019	18	150	150	66
03/22/2019	19	150	150	68
03/22/2019	20	150	150	64
03/22/2019	21	150	150	61
03/22/2019	22	150	150	57
03/22/2019	23	150	131	53
03/22/2019	24	149	126	48
03/23/2019	1	129	129	47
03/23/2019	2	127	127	45
03/23/2019	3	125	125	44
03/23/2019	4	125	125	43
03/23/2019	5	127	127	43
03/23/2019	6	130	130	46
03/23/2019	7	133	133	45
03/23/2019	8	135	134	50
03/23/2019	9	148	140	55
03/23/2019	10	150	150	61
03/23/2019	11	150	150	64
03/23/2019	12	150	150	63
03/23/2019	13	150	150	63
03/23/2019	14	150	150	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/23/2019	15	150	150	64
03/23/2019	16	150	150	63
03/23/2019	17	150	150	61
03/23/2019	18	150	150	63
03/23/2019	19	150	150	65
03/23/2019	20	150	150	63
03/23/2019	21	150	150	61
03/23/2019	22	150	146	57
03/23/2019	23	150		53
03/23/2019	24	143	132	49
03/24/2019	1	133	133	47
03/24/2019	2	127	127	45
03/24/2019	3	125	125	43
03/24/2019	4	125	125	43
03/24/2019	5	127	127	43
03/24/2019	6	130	130	44
03/24/2019	7	128	128	44
03/24/2019	8	130	130	45
03/24/2019	9	138	133	48
03/24/2019	10	139	133	52
03/24/2019	11	139	132	56
03/24/2019	12	139	133	56
03/24/2019	13	139	134	57
03/24/2019	14	142	142	59
03/24/2019	15	139	139	57
03/24/2019	16	141	141	55
03/24/2019	17	142	142	54
03/24/2019	18	146	146	59
03/24/2019	19	150	150	64
03/24/2019	20	150	150	61
03/24/2019	21	145	144	59
03/24/2019	22	146	146	55
03/24/2019	23	138	138	51
03/24/2019	24	138	138	47
03/25/2019	1	129	129	45
03/25/2019	2	127	127	43
03/25/2019	3	125	125	42
03/25/2019	4	125	125	41
03/25/2019	5	127	127	44
03/25/2019	6	133	133	48
03/25/2019	7	128	128	45
03/25/2019	8	138	138	50
03/25/2019	9	150	150	60
03/25/2019	10	150	150	65
03/25/2019	11	150	150	68
03/25/2019	12	150	150	67
03/25/2019	13	150	150	68
03/25/2019	14	150	150	69
03/25/2019	15	150	150	68
03/25/2019	16	150	150	67
03/25/2019	17	150	150	65
03/25/2019	18	150	150	67
03/25/2019	19	150	150	69
03/25/2019	20	150	150	66
03/25/2019	21	150	150	62
03/25/2019	22	150	150	57
03/25/2019	23	150	150	52
03/25/2019	24	132	132	48
03/26/2019	1	136	136	46
03/26/2019	2	128	128	45
03/26/2019	3	126	126	44
03/26/2019	4	126	126	43
03/26/2019	5	128	128	45
03/26/2019	6	133	133	48
03/26/2019	7	131	131	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/26/2019	8	150	150	52
03/26/2019	9	150	150	59
03/26/2019	10	150	150	65
03/26/2019	11	150	150	68
03/26/2019	12	150	150	67
03/26/2019	13	150	150	68
03/26/2019	14	150	150	70
03/26/2019	15	150	150	69
03/26/2019	16	150	150	67
03/26/2019	17	150	150	65
03/26/2019	18	150	150	66
03/26/2019	19	150	150	68
03/26/2019	20	150	150	66
03/26/2019	21	150	150	64
03/26/2019	22	150	150	59
03/26/2019	23	150	150	53
03/26/2019	24	145	145	49
03/27/2019	1	150	150	48
03/27/2019	2	145	145	46
03/27/2019	3	139	139	44
03/27/2019	4	136	136	44
03/27/2019	5	135	135	46
03/27/2019	6	143	143	49
03/27/2019	7	139	139	47
03/27/2019	8	148	148	52
03/27/2019	9	150	150	61
03/27/2019	10	150	150	67
03/27/2019	11	150	150	70
03/27/2019	12	150	150	69
03/27/2019	13	150	150	70
03/27/2019	14	150	150	72
03/27/2019	15	150	150	71
03/27/2019	16	150	150	70
03/27/2019	17	150	150	67
03/27/2019	18	150	150	68
03/27/2019	19	150	150	68
03/27/2019	20	150	150	67
03/27/2019	21	150	150	65
03/27/2019	22	150	150	60
03/27/2019	23	150	150	55
03/27/2019	24	150	150	50
03/28/2019	1	142	142	49
03/28/2019	2	136	136	47
03/28/2019	3	130	130	46
03/28/2019	4	128	128	46
03/28/2019	5	126	126	47
03/28/2019	6	128	128	50
03/28/2019	7	127	127	46
03/28/2019	8	134	134	52
03/28/2019	9	150	150	60
03/28/2019	10	150	150	65
03/28/2019	11	150	150	69
03/28/2019	12	150	150	69
03/28/2019	13	150	150	70
03/28/2019	14	150	150	73
03/28/2019	15	150	150	72
03/28/2019	16	150	150	71
03/28/2019	17	150	150	67
03/28/2019	18	150	150	68
03/28/2019	19	150	150	69
03/28/2019	20	150	150	68
03/28/2019	21	150	150	64
03/28/2019	22	150	150	60
03/28/2019	23	150	150	56
03/28/2019	24	150	150	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/29/2019	1	150	150	48
03/29/2019	2	150	150	47
03/29/2019	3	147	147	46
03/29/2019	4	140	140	45
03/29/2019	5	144	144	47
03/29/2019	6	141	141	49
03/29/2019	7	138	138	47
03/29/2019	8	146	146	52
03/29/2019	9	150	150	61
03/29/2019	10	150	150	67
03/29/2019	11	150	150	70
03/29/2019	12	150	150	69
03/29/2019	13	150	150	70
03/29/2019	14	150	150	72
03/29/2019	15	150	150	71
03/29/2019	16	150	150	69
03/29/2019	17	150	150	66
03/29/2019	18	150	150	67
03/29/2019	19	150	150	68
03/29/2019	20	150	150	67
03/29/2019	21	150	150	64
03/29/2019	22	150	150	59
03/29/2019	23	150	150	56
03/29/2019	24	150	150	52
03/30/2019	1	141	141	48
03/30/2019	2	135	135	46
03/30/2019	3	130	130	45
03/30/2019	4	125	125	44
03/30/2019	5	125	125	45
03/30/2019	6	126	126	47
03/30/2019	7	128	128	47
03/30/2019	8	143	143	51
03/30/2019	9	150	150	57
03/30/2019	10	150	150	61
03/30/2019	11	150	150	64
03/30/2019	12	150	150	63
03/30/2019	13	150	150	64
03/30/2019	14	150	150	66
03/30/2019	15	150	150	65
03/30/2019	16	150	150	63
03/30/2019	17	150	150	61
03/30/2019	18	150	150	65
03/30/2019	19	150	150	67
03/30/2019	20	150	150	65
03/30/2019	21	150	150	63
03/30/2019	22	150	150	60
03/30/2019	23	150	150	55
03/30/2019	24	143	141	51
03/31/2019	1	139	139	48
03/31/2019	2	133	133	46
03/31/2019	3	133	133	45
03/31/2019	4	133	133	45
03/31/2019	5	127	127	44
03/31/2019	6	129	129	45
03/31/2019	7	120	120	45
03/31/2019	8	127	127	45
03/31/2019	9	136	136	49
03/31/2019	10	141	141	53
03/31/2019	11	150	150	57
03/31/2019	12	150	150	56
03/31/2019	13	150	150	57
03/31/2019	14	150	150	59
03/31/2019	15	150	150	57
03/31/2019	16	150	150	55
03/31/2019	17	150	150	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/31/2019	18	150	150	60
03/31/2019	19	150	150	64
03/31/2019	20	150	150	62
03/31/2019	21	150	150	60
03/31/2019	22	135	134	55
03/31/2019	23	128		51
03/31/2019	24	124	124	47
04/01/2019	1	120	120	46
04/01/2019	2	120	118	44
04/01/2019	3	112	112	43
04/01/2019	4	112	112	42
04/01/2019	5	112	112	44
04/01/2019	6	113	113	47
04/01/2019	7	116	116	47
04/01/2019	8	128	128	51
04/01/2019	9	140	140	60
04/01/2019	10	150	150	66
04/01/2019	11	150	150	69
04/01/2019	12	150	150	68
04/01/2019	13	150	150	69
04/01/2019	14	150	150	71
04/01/2019	15	150	150	70
04/01/2019	16	150	150	69
04/01/2019	17	150	150	66
04/01/2019	18	150	150	67
04/01/2019	19	150	150	68
04/01/2019	20	150	150	66
04/01/2019	21	150	150	64
04/01/2019	22	140	140	60
04/01/2019	23	133	133	55
04/01/2019	24	126	126	51
04/02/2019	1	150	150	48
04/02/2019	2	140	140	46
04/02/2019	3	133	133	45
04/02/2019	4	133	133	44
04/02/2019	5	134	134	46
04/02/2019	6	134	134	48
04/02/2019	7	133	133	45
04/02/2019	8	149	149	50
04/02/2019	9	150	150	58
04/02/2019	10	150	150	65
04/02/2019	11	150	150	68
04/02/2019	12	150	150	70
04/02/2019	13	150	150	71
04/02/2019	14	150	150	72
04/02/2019	15	150	150	71
04/02/2019	16	150	150	69
04/02/2019	17	150	150	67
04/02/2019	18	150	150	68
04/02/2019	19	150	150	70
04/02/2019	20	150	150	68
04/02/2019	21	150	150	64
04/02/2019	22	150	150	61
04/02/2019	23	150	150	55
04/02/2019	24	150	150	51
04/03/2019	1	146	146	47
04/03/2019	2	139	139	46
04/03/2019	3	132	132	45
04/03/2019	4	131	131	43
04/03/2019	5	132	132	45
04/03/2019	6	134	134	47
04/03/2019	7	130	130	46
04/03/2019	8	149	149	52
04/03/2019	9	150	150	60
04/03/2019	10	150	150	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/03/2019	11	150	150	69
04/03/2019	12	150	150	68
04/03/2019	13	150	150	69
04/03/2019	14	150	150	72
04/03/2019	15	150	150	70
04/03/2019	16	150	150	69
04/03/2019	17	150	150	66
04/03/2019	18	150	150	67
04/03/2019	19	150	150	69
04/03/2019	20	150	150	66
04/03/2019	21	150	150	63
04/03/2019	22	150	150	58
04/03/2019	23	150	150	54
04/03/2019	24	150	150	50
04/04/2019	1	145	145	48
04/04/2019	2	139	139	47
04/04/2019	3	133	133	46
04/04/2019	4	132	132	45
04/04/2019	5	132	132	46
04/04/2019	6	137	137	47
04/04/2019	7	134	134	47
04/04/2019	8	146	146	53
04/04/2019	9	150	150	61
04/04/2019	10	150	150	66
04/04/2019	11	150	150	70
04/04/2019	12	150	150	68
04/04/2019	13	150	150	68
04/04/2019	14	150	150	71
04/04/2019	15	150	150	70
04/04/2019	16	150	150	68
04/04/2019	17	150	150	66
04/04/2019	18	150	150	67
04/04/2019	19	150	150	68
04/04/2019	20	148	148	66
04/04/2019	21	148	148	63
04/04/2019	22	150	150	58
04/04/2019	23	150	150	53
04/04/2019	24	150	150	50
04/05/2019	1	150	150	49
04/05/2019	2	148	148	48
04/05/2019	3	143	143	47
04/05/2019	4	141	141	45
04/05/2019	5	135	135	47
04/05/2019	6	138	138	48
04/05/2019	7	133	133	49
04/05/2019	8	150	150	53
04/05/2019	9	150	150	60
04/05/2019	10	150	150	66
04/05/2019	11	150	150	69
04/05/2019	12	150	150	68
04/05/2019	13	150	150	68
04/05/2019	14	150	150	71
04/05/2019	15	150	150	70
04/05/2019	16	150	150	69
04/05/2019	17	150	150	65
04/05/2019	18	150	150	66
04/05/2019	19	150	150	68
04/05/2019	20	150	150	66
04/05/2019	21	150	150	64
04/05/2019	22	150	150	60
04/05/2019	23	150	150	55
04/05/2019	24	150	150	52
04/06/2019	1	150	150	49
04/06/2019	2	148	148	47
04/06/2019	3	143	148	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/06/2019	4	141	141	45
04/06/2019	5	135	135	45
04/06/2019	6	138	138	47
04/06/2019	7	133	133	47
04/06/2019	8	150	150	50
04/06/2019	9	150	150	57
04/06/2019	10	150	150	63
04/06/2019	11	150	150	64
04/06/2019	12	150	150	65
04/06/2019	13	150	150	66
04/06/2019	14	150	150	67
04/06/2019	15	150	150	66
04/06/2019	16	150	150	64
04/06/2019	17	150	150	62
04/06/2019	18	150	150	66
04/06/2019	19	150	150	67
04/06/2019	20	150	150	65
04/06/2019	21	150	150	63
04/06/2019	22	150	150	60
04/06/2019	23	150	150	55
04/06/2019	24	150	150	51
04/07/2019	1	150	150	49
04/07/2019	2	145	145	47
04/07/2019	3	139	139	45
04/07/2019	4	136	136	44
04/07/2019	5	130	130	45
04/07/2019	6	131	131	45
04/07/2019	7	128	128	45
04/07/2019	8	138	138	46
04/07/2019	9	150	150	50
04/07/2019	10	150	150	54
04/07/2019	11	150	150	57
04/07/2019	12	150	150	57
04/07/2019	13	150	150	58
04/07/2019	14	150	150	59
04/07/2019	15	150	150	58
04/07/2019	16	150	150	57
04/07/2019	17	150	150	55
04/07/2019	18	150	150	61
04/07/2019	19	150	150	64
04/07/2019	20	150	150	63
04/07/2019	21	150	150	60
04/07/2019	22	150	150	56
04/07/2019	23	150	150	51
04/07/2019	24	150	150	47
04/08/2019	1	150	150	46
04/08/2019	2	145	145	44
04/08/2019	3	139	139	43
04/08/2019	4	136	136	42
04/08/2019	5	130	130	44
04/08/2019	6	131	131	47
04/08/2019	7	128	128	47
04/08/2019	8	138	138	53
04/08/2019	9	150	150	62
04/08/2019	10	150	150	67
04/08/2019	11	150	150	70
04/08/2019	12	150	150	69
04/08/2019	13	150	150	70
04/08/2019	14	150	150	71
04/08/2019	15	150	150	70
04/08/2019	16	150	150	69
04/08/2019	17	150	150	65
04/08/2019	18	150	150	66
04/08/2019	19	150	150	68
04/08/2019	20	150	150	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/08/2019	21	150	150	64
04/08/2019	22	150	150	60
04/08/2019	23	150	150	55
04/08/2019	24	150	150	50
04/09/2019	1	132	132	50
04/09/2019	2	128	128	48
04/09/2019	3	127	127	47
04/09/2019	4	126	126	47
04/09/2019	5	127	127	47
04/09/2019	6	130	130	48
04/09/2019	7	127	127	48
04/09/2019	8	130	130	52
04/09/2019	9	141	132	60
04/09/2019	10	150	150	62
04/09/2019	11	150	150	68
04/09/2019	12	150	150	68
04/09/2019	13	150	150	68
04/09/2019	14	150	150	69
04/09/2019	15	150	150	68
04/09/2019	16	150	150	68
04/09/2019	17	150	150	66
04/09/2019	18	150	150	68
04/09/2019	19	150	150	69
04/09/2019	20	150	150	66
04/09/2019	21	150	150	63
04/09/2019	22	140	139	59
04/09/2019	23	138	138	54
04/09/2019	24	138	137	52
04/10/2019	1	139	139	49
04/10/2019	2	135	135	47
04/10/2019	3	127	127	46
04/10/2019	4	126	126	45
04/10/2019	5	127	127	47
04/10/2019	6	130	130	48
04/10/2019	7	127	127	48
04/10/2019	8	135	135	53
04/10/2019	9	138	138	64
04/10/2019	10	150	150	68
04/10/2019	11	150	150	71
04/10/2019	12	150	150	70
04/10/2019	13	150	150	72
04/10/2019	14	150	150	72
04/10/2019	15	150	150	71
04/10/2019	16	150	150	70
04/10/2019	17	150	150	67
04/10/2019	18	150	150	68
04/10/2019	19	150	150	69
04/10/2019	20	150	150	67
04/10/2019	21	150	150	66
04/10/2019	22	139	139	61
04/10/2019	23	138	150	57
04/10/2019	24	133	133	54
04/11/2019	1	115	115	50
04/11/2019	2	115	115	48
04/11/2019	3	115	115	47
04/11/2019	4	115	115	46
04/11/2019	5	115	115	47
04/11/2019	6	115	115	49
04/11/2019	7	115	115	49
04/11/2019	8	125	125	54
04/11/2019	9	135	135	62
04/11/2019	10	140	140	67
04/11/2019	11	150	150	71
04/11/2019	12	150	150	70
04/11/2019	13	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/11/2019	14	150	150	73
04/11/2019	15	150	150	71
04/11/2019	16	150	150	69
04/11/2019	17	150	150	67
04/11/2019	18	150	150	68
04/11/2019	19	150	150	69
04/11/2019	20	150	150	67
04/11/2019	21	150	150	64
04/11/2019	22	140	140	60
04/11/2019	23	130	130	55
04/11/2019	24	116	116	51
04/12/2019	1	114	114	49
04/12/2019	2	110	110	47
04/12/2019	3	109	109	46
04/12/2019	4	109	109	45
04/12/2019	5	110	110	46
04/12/2019	6	112	112	48
04/12/2019	7	116	116	49
04/12/2019	8	121	121	53
04/12/2019	9	141	136	62
04/12/2019	10	150	150	67
04/12/2019	11	150	150	69
04/12/2019	12	150	150	68
04/12/2019	13	150	150	69
04/12/2019	14	150	150	71
04/12/2019	15	150	150	70
04/12/2019	16	150	150	68
04/12/2019	17	150	150	65
04/12/2019	18	150	150	67
04/12/2019	19	150	150	69
04/12/2019	20	150	150	67
04/12/2019	21	150	150	65
04/12/2019	22	141	141	61
04/12/2019	23	130	130	57
04/12/2019	24	127	117	53
04/13/2019	1	150	150	49
04/13/2019	2	150	150	48
04/13/2019	3	147	150	46
04/13/2019	4	141	141	46
04/13/2019	5	139	139	46
04/13/2019	6	135	135	48
04/13/2019	7	129	129	47
04/13/2019	8	141	141	51
04/13/2019	9	150	150	57
04/13/2019	10	150	150	62
04/13/2019	11	150	150	64
04/13/2019	12	150	150	64
04/13/2019	13	150	150	66
04/13/2019	14	150	150	67
04/13/2019	15	150	150	66
04/13/2019	16	150	150	64
04/13/2019	17	150	150	62
04/13/2019	18	150	150	66
04/13/2019	19	150	150	67
04/13/2019	20	150	150	65
04/13/2019	21	150	150	62
04/13/2019	22	150	150	59
04/13/2019	23	150	150	54
04/13/2019	24	150	150	51
04/14/2019	1	137	137	49
04/14/2019	2	131	131	46
04/14/2019	3	133	133	45
04/14/2019	4	130	130	45
04/14/2019	5	122	122	45
04/14/2019	6	119	119	44

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/14/2019	7	117	117	44
04/14/2019	8	120	120	45
04/14/2019	9	129	129	49
04/14/2019	10	133	133	53
04/14/2019	11	142	142	56
04/14/2019	12	147	147	57
04/14/2019	13	147	147	57
04/14/2019	14	150	150	58
04/14/2019	15	150	150	58
04/14/2019	16	150	150	57
04/14/2019	17	150	150	56
04/14/2019	18	150	150	61
04/14/2019	19	150	150	64
04/14/2019	20	150	150	63
04/14/2019	21	150	150	61
04/14/2019	22	150	150	57
04/14/2019	23	150	150	53
04/14/2019	24	137	137	51
04/15/2019	1	150	150	46
04/15/2019	2	139	139	45
04/15/2019	3	133	133	43
04/15/2019	4	130	130	42
04/15/2019	5	130	130	44
04/15/2019	6	132	132	47
04/15/2019	7	129	129	46
04/15/2019	8	133	133	52
04/15/2019	9	150	150	62
04/15/2019	10	150	150	68
04/15/2019	11	150	150	70
04/15/2019	12	150	150	69
04/15/2019	13	150	150	71
04/15/2019	14	150	150	73
04/15/2019	15	150	150	71
04/15/2019	16	150	150	70
04/15/2019	17	150	150	66
04/15/2019	18	150	150	68
04/15/2019	19	150	150	69
04/15/2019	20	150	150	67
04/15/2019	21	150	150	65
04/15/2019	22	150	150	60
04/15/2019	23	150	150	55
04/15/2019	24	150	150	51
04/16/2019	1	120	120	50
04/16/2019	2	120	120	49
04/16/2019	3	120	120	48
04/16/2019	4	112	112	46
04/16/2019	5	120	120	47
04/16/2019	6	120	120	50
04/16/2019	7	113	113	48
04/16/2019	8	133	133	55
04/16/2019	9	150	150	63
04/16/2019	10	150	150	69
04/16/2019	11	150	150	72
04/16/2019	12	150	150	72
04/16/2019	13	150	150	73
04/16/2019	14	150	150	75
04/16/2019	15	150	150	75
04/16/2019	16	150	150	73
04/16/2019	17	150	150	69
04/16/2019	18	150	150	70
04/16/2019	19	150	150	71
04/16/2019	20	150	150	70
04/16/2019	21	150	150	68
04/16/2019	22	150	150	62
04/16/2019	23	145	145	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/16/2019	24	128	128	55
04/17/2019	1	130	130	53
04/17/2019	2	130	130	51
04/17/2019	3	128	128	49
04/17/2019	4	128	128	48
04/17/2019	5	128	128	50
04/17/2019	6	126	126	51
04/17/2019	7	119	119	50
04/17/2019	8	130	130	57
04/17/2019	9	150	150	65
04/17/2019	10	150	150	72
04/17/2019	11	150	150	74
04/17/2019	12	150	150	73
04/17/2019	13	150	150	73
04/17/2019	14	150	150	74
04/17/2019	15	150	150	74
04/17/2019	16	150	150	73
04/17/2019	17	150	150	69
04/17/2019	18	150	150	69
04/17/2019	19	150	150	70
04/17/2019	20	150	150	69
04/17/2019	21	150	150	66
04/17/2019	22	140	140	58
04/17/2019	23	135		56
04/17/2019	24	128	128	52
04/18/2019	1	115	115	44
04/18/2019	2	114	114	42
04/18/2019	3	114	114	41
04/18/2019	4	114	114	40
04/18/2019	5	114	114	39
04/18/2019	6	115	115	39
04/18/2019	7	115	115	39
04/18/2019	8	116	116	42
04/18/2019	9	131	131	45
04/18/2019	10	136	136	48
04/18/2019	11	136	136	51
04/18/2019	12	136	136	51
04/18/2019	13	136	136	52
04/18/2019	14	136	136	53
04/18/2019	15	136	136	52
04/18/2019	16	136	136	50
04/18/2019	17	136	136	49
04/18/2019	18	136	136	53
04/18/2019	19	141	136	57
04/18/2019	20	137	136	54
04/18/2019	21	136	136	52
04/18/2019	22	129	129	50
04/18/2019	23	124	124	46
04/18/2019	24	118	118	43
04/19/2019	1	115	115	41
04/19/2019	2	114	114	39
04/19/2019	3	105	105	37
04/19/2019	4	105	104	36
04/19/2019	5	100	100	36
04/19/2019	6	103	103	36
04/19/2019	7	100	100	36
04/19/2019	8	102	102	37
04/19/2019	9	100	100	37
04/19/2019	10	118	118	39
04/19/2019	11	120	120	42
04/19/2019	12	110	110	42
04/19/2019	13	110	110	43
04/19/2019	14	113	113	45
04/19/2019	15	105	105	42
04/19/2019	16	104	103	41

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/19/2019	17	105	100	40
04/19/2019	18	129	128	45
04/19/2019	19	136	136	54
04/19/2019	20	136	136	52
04/19/2019	21	136	136	50
04/19/2019	22	129	129	48
04/19/2019	23	124		45
04/19/2019	24	115	114	41
04/20/2019	1	139	139	40
04/20/2019	2	133	133	38
04/20/2019	3	123	123	36
04/20/2019	4	114	114	36
04/20/2019	5	112	112	36
04/20/2019	6	113	113	36
04/20/2019	7	120	120	39
04/20/2019	8	128	128	43
04/20/2019	9	132	132	47
04/20/2019	10	136	136	52
04/20/2019	11	143	143	55
04/20/2019	12	143	143	56
04/20/2019	13	145	145	55
04/20/2019	14	150	150	58
04/20/2019	15	150	149	55
04/20/2019	16	138	138	51
04/20/2019	17	143	138	52
04/20/2019	18	150	150	59
04/20/2019	19	150	150	60
04/20/2019	20	150	150	58
04/20/2019	21	150	150	56
04/20/2019	22	148	148	52
04/20/2019	23	143	143	47
04/20/2019	24	138	138	44
04/21/2019	1	138	133	42
04/21/2019	2	132	124	41
04/21/2019	3	124	122	40
04/21/2019	4	113	113	38
04/21/2019	5	105	103	38
04/21/2019	6	107	106	39
04/21/2019	7	116	116	40
04/21/2019	8	119	119	43
04/21/2019	9	120	120	44
04/21/2019	10	134	134	47
04/21/2019	11	144	144	51
04/21/2019	12	148	148	52
04/21/2019	13	148	148	52
04/21/2019	14	150	148	52
04/21/2019	15	143	138	52
04/21/2019	16	143	140	51
04/21/2019	17	149	149	51
04/21/2019	18	150	150	59
04/21/2019	19	150	150	61
04/21/2019	20	150	150	59
04/21/2019	21	150	150	57
04/21/2019	22	150	150	54
04/21/2019	23	150	150	51
04/21/2019	24	138	138	47
04/22/2019	1	144	144	49
04/22/2019	2	136	136	47
04/22/2019	3	129	136	46
04/22/2019	4	128	128	45
04/22/2019	5	129	129	46
04/22/2019	6	132	132	48
04/22/2019	7	130	130	48
04/22/2019	8	136	135	55
04/22/2019	9	150	150	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/22/2019	10	150	150	70
04/22/2019	11	150	150	72
04/22/2019	12	150	150	71
04/22/2019	13	150	150	72
04/22/2019	14	150	150	74
04/22/2019	15	150	150	73
04/22/2019	16	150	150	71
04/22/2019	17	150	150	68
04/22/2019	18	150	150	69
04/22/2019	19	150	150	70
04/22/2019	20	150	150	67
04/22/2019	21	150	150	65
04/22/2019	22	150	150	60
04/22/2019	23	150	150	56
04/22/2019	24	150	150	51
04/23/2019	1	138	138	52
04/23/2019	2	138	138	50
04/23/2019	3	138	138	48
04/23/2019	4	138	138	48
04/23/2019	5	138	138	48
04/23/2019	6	138	138	49
04/23/2019	7	138	138	49
04/23/2019	8	139	139	56
04/23/2019	9	150	150	65
04/23/2019	10	150	150	71
04/23/2019	11	150	150	74
04/23/2019	12	150	150	72
04/23/2019	13	150	150	74
04/23/2019	14	150	150	74
04/23/2019	15	150	150	73
04/23/2019	16	150	150	72
04/23/2019	17	150	150	69
04/23/2019	18	150	150	70
04/23/2019	19	150	150	71
04/23/2019	20	150	150	70
04/23/2019	21	150	150	68
04/23/2019	22	150	150	63
04/23/2019	23	148	148	59
04/23/2019	24	133	133	55
04/24/2019	1	150	150	52
04/24/2019	2	146	146	50
04/24/2019	3	138	138	48
04/24/2019	4	135	135	48
04/24/2019	5	136	136	48
04/24/2019	6	138	138	49
04/24/2019	7	140	140	49
04/24/2019	8	149	149	56
04/24/2019	9	150	150	65
04/24/2019	10	150	150	71
04/24/2019	11	150	150	73
04/24/2019	12	150	150	72
04/24/2019	13	150	150	73
04/24/2019	14	150	150	75
04/24/2019	15	150	150	73
04/24/2019	16	150	150	72
04/24/2019	17	150	150	69
04/24/2019	18	150	150	69
04/24/2019	19	150	150	71
04/24/2019	20	150	150	69
04/24/2019	21	150	150	68
04/24/2019	22	150	150	64
04/24/2019	23	150		60
04/24/2019	24	150	150	55
04/25/2019	1	140	139	52
04/25/2019	2	138	138	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/25/2019	3	126	125	49
04/25/2019	4	120	120	48
04/25/2019	5	120	120	49
04/25/2019	6	131	130	49
04/25/2019	7	124	124	50
04/25/2019	8	148	148	55
04/25/2019	9	150	150	65
04/25/2019	10	150	150	70
04/25/2019	11	150	150	73
04/25/2019	12	150	150	71
04/25/2019	13	150	150	72
04/25/2019	14	150	150	75
04/25/2019	15	150	150	75
04/25/2019	16	150	150	73
04/25/2019	17	150	150	68
04/25/2019	18	150	150	70
04/25/2019	19	150	150	71
04/25/2019	20	150	150	69
04/25/2019	21	150	150	67
04/25/2019	22	150	150	64
04/25/2019	23	150	150	59
04/25/2019	24	140	140	55
04/26/2019	1	150	144	53
04/26/2019	2	150	136	51
04/26/2019	3	150	135	49
04/26/2019	4	150	134	48
04/26/2019	5	150	136	49
04/26/2019	6	150	136	50
04/26/2019	7	150	134	50
04/26/2019	8	150	150	56
04/26/2019	9	150	150	66
04/26/2019	10	150	150	71
04/26/2019	11	150	150	73
04/26/2019	12	150	150	72
04/26/2019	13	150	150	73
04/26/2019	14	150	150	74
04/26/2019	15	150	150	74
04/26/2019	16	150	150	73
04/26/2019	17	150	150	69
04/26/2019	18	150	150	70
04/26/2019	19	150	150	71
04/26/2019	20	150	150	70
04/26/2019	21	150	150	69
04/26/2019	22	150	150	64
04/26/2019	23	150	150	60
04/26/2019	24	150	150	56
04/27/2019	1	150	150	53
04/27/2019	2	150	150	51
04/27/2019	3	150	150	50
04/27/2019	4	150	150	48
04/27/2019	5	150	150	49
04/27/2019	6	150	150	49
04/27/2019	7	150	150	48
04/27/2019	8	150	150	51
04/27/2019	9	150	150	59
04/27/2019	10	150	150	64
04/27/2019	11	150	150	67
04/27/2019	12	150	150	66
04/27/2019	13	150	150	66
04/27/2019	14	150	150	69
04/27/2019	15	150	150	68
04/27/2019	16	150	150	67
04/27/2019	17	150	150	65
04/27/2019	18	150	150	68
04/27/2019	19	150	150	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/27/2019	20	150	150	69
04/27/2019	21	150	150	65
04/27/2019	22	150	150	62
04/27/2019	23	150	150	57
04/27/2019	24	150	150	55
04/28/2019	1	150	150	51
04/28/2019	2	150	150	49
04/28/2019	3	150	150	47
04/28/2019	4	150	150	46
04/28/2019	5	150	147	46
04/28/2019	6	150	150	45
04/28/2019	7	150	150	45
04/28/2019	8	150	150	48
04/28/2019	9	150	150	52
04/28/2019	10	150	150	57
04/28/2019	11	150	150	60
04/28/2019	12	150	150	60
04/28/2019	13	150	150	61
04/28/2019	14	150	150	62
04/28/2019	15	150	150	62
04/28/2019	16	150	150	60
04/28/2019	17	150	150	58
04/28/2019	18	150	150	64
04/28/2019	19	150	150	66
04/28/2019	20	150	150	66
04/28/2019	21	150	150	63
04/28/2019	22	150	150	60
04/28/2019	23	150	150	55
04/28/2019	24	150	150	52
04/29/2019	1	150	150	50
04/29/2019	2	150	150	48
04/29/2019	3	150	150	46
04/29/2019	4	150	150	45
04/29/2019	5	150	150	46
04/29/2019	6	150	150	48
04/29/2019	7	150	150	48
04/29/2019	8	150	150	56
04/29/2019	9	150	150	65
04/29/2019	10	150	150	72
04/29/2019	11	150	150	73
04/29/2019	12	150	150	72
04/29/2019	13	150	150	73
04/29/2019	14	150	150	75
04/29/2019	15	150	150	74
04/29/2019	16	150	150	72
04/29/2019	17	150	150	69
04/29/2019	18	150	150	70
04/29/2019	19	150	150	71
04/29/2019	20	150	150	68
04/29/2019	21	150	150	66
04/29/2019	22	150	150	63
04/29/2019	23	150		59
04/29/2019	24	150	150	55
04/30/2019	1	146	146	53
04/30/2019	2	141	141	51
04/30/2019	3	137	137	50
04/30/2019	4	133	133	49
04/30/2019	5	133	133	49
04/30/2019	6	134	134	50
04/30/2019	7	135	135	50
04/30/2019	8	150	150	57
04/30/2019	9	150	150	66
04/30/2019	10	150	150	70
04/30/2019	11	150	150	73
04/30/2019	12	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/30/2019	13	150	150	73
04/30/2019	14	150	150	74
04/30/2019	15	150	150	74
04/30/2019	16	150	150	73
04/30/2019	17	150	150	68
04/30/2019	18	150	150	70
04/30/2019	19	150	150	71
04/30/2019	20	150	150	69
04/30/2019	21	150	150	67
04/30/2019	22	150	150	63
04/30/2019	23	150	150	59
04/30/2019	24	150	150	55
05/01/2019	1	147	147	52
05/01/2019	2	137	137	50
05/01/2019	3	136	136	49
05/01/2019	4	132	131	48
05/01/2019	5	130	130	47
05/01/2019	6	132	132	48
05/01/2019	7	131	130	48
05/01/2019	8	133	133	53
05/01/2019	9	147	147	58
05/01/2019	10	148	145	64
05/01/2019	11	150	150	67
05/01/2019	12	150	150	67
05/01/2019	13	150	150	68
05/01/2019	14	150	150	69
05/01/2019	15	150	150	68
05/01/2019	16	150	150	66
05/01/2019	17	150	150	65
05/01/2019	18	150	150	69
05/01/2019	19	150	150	71
05/01/2019	20	150	150	69
05/01/2019	21	150	150	65
05/01/2019	22	150	150	61
05/01/2019	23	150	150	58
05/01/2019	24	147	147	54
05/02/2019	1	150	150	51
05/02/2019	2	150	150	49
05/02/2019	3	150	150	47
05/02/2019	4	150	150	46
05/02/2019	5	150	150	47
05/02/2019	6	150	150	49
05/02/2019	7	150	150	49
05/02/2019	8	150	150	58
05/02/2019	9	150	150	65
05/02/2019	10	150	150	71
05/02/2019	11	150	150	73
05/02/2019	12	150	150	73
05/02/2019	13	150	150	74
05/02/2019	14	150	150	77
05/02/2019	15	150	150	75
05/02/2019	16	150	150	74
05/02/2019	17	150	150	70
05/02/2019	18	150	150	71
05/02/2019	19	150	150	72
05/02/2019	20	150	150	69
05/02/2019	21	150	150	67
05/02/2019	22	150	150	63
05/02/2019	23	150	150	59
05/02/2019	24	150	150	55
05/03/2019	1	123	122	49
05/03/2019	2	117	117	47
05/03/2019	3	116	116	46
05/03/2019	4	116	116	45
05/03/2019	5	116	116	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/03/2019	6	119	119	49
05/03/2019	7	119	119	48
05/03/2019	8	130	129	56
05/03/2019	9	149	148	64
05/03/2019	10	150	150	70
05/03/2019	11	150	150	73
05/03/2019	12	150	150	72
05/03/2019	13	150	150	73
05/03/2019	14	150	150	75
05/03/2019	15	150	150	74
05/03/2019	16	150	150	71
05/03/2019	17	150	150	68
05/03/2019	18	150	150	69
05/03/2019	19	150	150	70
05/03/2019	20	150	150	67
05/03/2019	21	150	150	64
05/03/2019	22	150	150	62
05/03/2019	23	140	138	59
05/03/2019	24	131	131	55
05/04/2019	1	147	147	52
05/04/2019	2	144	144	50
05/04/2019	3	138	138	49
05/04/2019	4	135	135	48
05/04/2019	5	130	130	48
05/04/2019	6	127	126	49
05/04/2019	7	128	128	49
05/04/2019	8	133	133	53
05/04/2019	9	150	150	60
05/04/2019	10	150	150	64
05/04/2019	11	150	150	67
05/04/2019	12	150	150	66
05/04/2019	13	150	150	66
05/04/2019	14	150	150	68
05/04/2019	15	150	150	68
05/04/2019	16	150	150	65
05/04/2019	17	150	150	64
05/04/2019	18	150	150	67
05/04/2019	19	150	150	69
05/04/2019	20	150	150	68
05/04/2019	21	150	150	64
05/04/2019	22	150	150	61
05/04/2019	23	150		59
05/04/2019	24	148	148	53
05/05/2019	1	138	138	51
05/05/2019	2	132	132	49
05/05/2019	3	120	119	48
05/05/2019	4	119	119	47
05/05/2019	5	117	117	47
05/05/2019	6	115	115	46
05/05/2019	7	120	120	47
05/05/2019	8	120	120	49
05/05/2019	9	141	141	53
05/05/2019	10	143	143	57
05/05/2019	11	150	150	60
05/05/2019	12	150	150	60
05/05/2019	13	150	150	60
05/05/2019	14	150	150	62
05/05/2019	15	150	150	61
05/05/2019	16	150	150	59
05/05/2019	17	150	150	57
05/05/2019	18	150	150	63
05/05/2019	19	150	150	66
05/05/2019	20	150	150	65
05/05/2019	21	150	150	63
05/05/2019	22	150	150	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/05/2019	23	150	150	56
05/05/2019	24	147	147	53
05/06/2019	1	128	128	50
05/06/2019	2	120	120	48
05/06/2019	3	114	114	47
05/06/2019	4	114	114	46
05/06/2019	5	114	114	46
05/06/2019	6	121	121	48
05/06/2019	7	115	115	48
05/06/2019	8	130	130	57
05/06/2019	9	150	150	63
05/06/2019	10	150	150	68
05/06/2019	11	150	150	73
05/06/2019	12	150	150	73
05/06/2019	13	150	150	74
05/06/2019	14	150	150	76
05/06/2019	15	150	150	76
05/06/2019	16	150	150	73
05/06/2019	17	150	150	71
05/06/2019	18	150	150	70
05/06/2019	19	150	150	71
05/06/2019	20	150	150	69
05/06/2019	21	150	150	67
05/06/2019	22	150	150	63
05/06/2019	23	147	147	58
05/06/2019	24	140	138	54
05/07/2019	1	126	126	52
05/07/2019	2	120	120	50
05/07/2019	3	117	117	49
05/07/2019	4	116	116	49
05/07/2019	5	116	116	48
05/07/2019	6	118	118	50
05/07/2019	7	118	118	50
05/07/2019	8	123	123	57
05/07/2019	9	150	150	66
05/07/2019	10	150	150	71
05/07/2019	11	150	150	74
05/07/2019	12	150	150	72
05/07/2019	13	150	150	74
05/07/2019	14	150	150	76
05/07/2019	15	150	150	75
05/07/2019	16	150	150	73
05/07/2019	17	150	150	68
05/07/2019	18	150	150	70
05/07/2019	19	150	150	71
05/07/2019	20	150	150	69
05/07/2019	21	150	150	67
05/07/2019	22	150	150	63
05/07/2019	23	148	148	59
05/07/2019	24	132	132	55
05/08/2019	1	116	116	54
05/08/2019	2	115	115	52
05/08/2019	3	115	115	51
05/08/2019	4	113	113	49
05/08/2019	5	113	113	49
05/08/2019	6	114	114	50
05/08/2019	7	114	114	51
05/08/2019	8	125	125	57
05/08/2019	9	130	130	67
05/08/2019	10	145	145	72
05/08/2019	11	150	150	75
05/08/2019	12	150	150	73
05/08/2019	13	150	150	75
05/08/2019	14	150	150	77
05/08/2019	15	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/08/2019	16	150	150	76
05/08/2019	17	150	150	71
05/08/2019	18	150	150	70
05/08/2019	19	150	150	73
05/08/2019	20	150	150	71
05/08/2019	21	150	150	69
05/08/2019	22	150	150	64
05/08/2019	23	135		60
05/08/2019	24	130	130	56
05/09/2019	1	135	135	56
05/09/2019	2	128	128	54
05/09/2019	3	116	116	53
05/09/2019	4	117	117	51
05/09/2019	5	115	115	51
05/09/2019	6	118	118	53
05/09/2019	7	114	114	52
05/09/2019	8	125	125	60
05/09/2019	9	145	145	68
05/09/2019	10	150	150	73
05/09/2019	11	150	150	77
05/09/2019	12	150	150	76
05/09/2019	13	150	150	76
05/09/2019	14	150	150	77
05/09/2019	15	150	150	77
05/09/2019	16	150	150	77
05/09/2019	17	150	150	72
05/09/2019	18	150	150	73
05/09/2019	19	150	150	74
05/09/2019	20	150	150	73
05/09/2019	21	150	150	71
05/09/2019	22	150	150	67
05/09/2019	23	150	150	63
05/09/2019	24	135	135	59
05/10/2019	1	150	150	56
05/10/2019	2	150	150	54
05/10/2019	3	150	150	53
05/10/2019	4	150	150	51
05/10/2019	5	150	150	52
05/10/2019	6	150	150	51
05/10/2019	7	150	150	51
05/10/2019	8	150	150	58
05/10/2019	9	150	150	68
05/10/2019	10	150	150	73
05/10/2019	11	150	150	77
05/10/2019	12	150	150	77
05/10/2019	13	150	150	78
05/10/2019	14	150	150	79
05/10/2019	15	150	150	78
05/10/2019	16	150	150	76
05/10/2019	17	150	150	72
05/10/2019	18	150	150	74
05/10/2019	19	150	150	75
05/10/2019	20	150	150	73
05/10/2019	21	150	150	72
05/10/2019	22	150	150	68
05/10/2019	23	150	150	65
05/10/2019	24	150	150	60
05/11/2019	1	150	150	55
05/11/2019	2	150	150	53
05/11/2019	3	150	150	52
05/11/2019	4	150	150	51
05/11/2019	5	150	150	51
05/11/2019	6	150	150	51
05/11/2019	7	150	150	50
05/11/2019	8	150	150	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/11/2019	9	150	150	62
05/11/2019	10	150	150	67
05/11/2019	11	150	150	70
05/11/2019	12	150	150	70
05/11/2019	13	150	150	71
05/11/2019	14	150	150	72
05/11/2019	15	150	150	70
05/11/2019	16	150	150	68
05/11/2019	17	150	150	66
05/11/2019	18	150	150	69
05/11/2019	19	150	150	71
05/11/2019	20	150	150	70
05/11/2019	21	150	150	68
05/11/2019	22	150	150	65
05/11/2019	23	150		61
05/11/2019	24	150	150	57
05/12/2019	1	138	138	51
05/12/2019	2	134	134	50
05/12/2019	3	131	131	49
05/12/2019	4	127	127	48
05/12/2019	5	127	127	49
05/12/2019	6	122	122	48
05/12/2019	7	126	122	48
05/12/2019	8	127	127	51
05/12/2019	9	134	134	53
05/12/2019	10	139	139	58
05/12/2019	11	141	141	61
05/12/2019	12	148	148	61
05/12/2019	13	149	149	62
05/12/2019	14	150	150	62
05/12/2019	15	150	150	61
05/12/2019	16	150	150	61
05/12/2019	17	150	150	59
05/12/2019	18	150	150	64
05/12/2019	19	150	150	66
05/12/2019	20	150	150	65
05/12/2019	21	150	150	64
05/12/2019	22	150	150	61
05/12/2019	23	146	146	57
05/12/2019	24	130	130	53
05/13/2019	1	119	119	52
05/13/2019	2	117	117	51
05/13/2019	3	116	116	50
05/13/2019	4	115	115	48
05/13/2019	5	114	114	47
05/13/2019	6	117	117	47
05/13/2019	7	117	117	46
05/13/2019	8	124	124	48
05/13/2019	9	150	150	54
05/13/2019	10	150	150	58
05/13/2019	11	150	150	62
05/13/2019	12	150	150	63
05/13/2019	13	150	150	63
05/13/2019	14	150	150	63
05/13/2019	15	150	150	63
05/13/2019	16	150	150	61
05/13/2019	17	150	150	60
05/13/2019	18	150	150	63
05/13/2019	19	150	150	65
05/13/2019	20	150	150	63
05/13/2019	21	150	150	61
05/13/2019	22	150	150	57
05/13/2019	23	144		54
05/13/2019	24	134	134	51
05/15/2019	1	150	150	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/15/2019	2	150	150	54
05/15/2019	3	146	146	53
05/15/2019	4	141	141	51
05/15/2019	5	141	141	51
05/15/2019	6	142	142	51
05/15/2019	7	139	139	51
05/15/2019	8	150	150	58
05/15/2019	9	150	150	69
05/15/2019	10	150	150	74
05/15/2019	11	150	150	77
05/15/2019	12	150	150	78
05/15/2019	13	150	150	78
05/15/2019	14	150	150	80
05/15/2019	15	150	150	77
05/15/2019	16	150	150	77
05/15/2019	17	150	150	74
05/15/2019	18	150	150	75
05/15/2019	19	150	150	76
05/15/2019	20	150	150	74
05/15/2019	21	150	150	74
05/15/2019	22	150	150	69
05/15/2019	23	150	150	68
05/15/2019	24	150	150	61
05/16/2019	1	132	132	52
05/16/2019	2	132	132	51
05/16/2019	3	129	129	49
05/16/2019	4	126	126	49
05/16/2019	5	128	128	50
05/16/2019	6	130	130	51
05/16/2019	7	130	130	52
05/16/2019	8	140	140	59
05/16/2019	9	148	148	68
05/16/2019	10	150	150	72
05/16/2019	11	150	150	76
05/16/2019	12	150	150	75
05/16/2019	13	150	150	76
05/16/2019	14	150	150	78
05/16/2019	15	150	150	76
05/16/2019	16	150	150	74
05/16/2019	17	150	150	71
05/16/2019	18	150	150	72
05/16/2019	19	150	150	72
05/16/2019	20	150	150	69
05/16/2019	21	143	143	66
05/16/2019	22	133	133	62
05/16/2019	23	132		58
05/16/2019	24	135	135	55
05/17/2019	1	150	150	52
05/17/2019	2	147	147	51
05/17/2019	3	139	139	50
05/17/2019	4	135	135	49
05/17/2019	5	136	136	49
05/17/2019	6	137	137	50
05/17/2019	7	136	136	49
05/17/2019	8	150	150	57
05/17/2019	9	150	150	66
05/17/2019	10	150	150	68
05/17/2019	11	150	150	73
05/17/2019	12	150	150	72
05/17/2019	13	150	150	74
05/17/2019	14	150	150	75
05/17/2019	15	150	150	74
05/17/2019	16	150	150	72
05/17/2019	17	150	150	69
05/17/2019	18	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/17/2019	19	150	150	71
05/17/2019	20	150	150	69
05/17/2019	21	150	150	67
05/17/2019	22	150	150	62
05/17/2019	23	150	150	58
05/17/2019	24	150	150	54
05/18/2019	1	150	150	52
05/18/2019	2	150	150	50
05/18/2019	3	150	150	49
05/18/2019	4	150	150	48
05/18/2019	5	150	150	48
05/18/2019	6	150	150	48
05/18/2019	7	145	145	48
05/18/2019	8	150	150	52
05/18/2019	9	150	150	60
05/18/2019	10	150	150	65
05/18/2019	11	150	150	68
05/18/2019	12	150	150	67
05/18/2019	13	150	150	68
05/18/2019	14	150	150	68
05/18/2019	15	150	150	68
05/18/2019	16	150	150	66
05/18/2019	17	150	150	64
05/18/2019	18	150	150	67
05/18/2019	19	150	150	68
05/18/2019	20	150	150	67
05/18/2019	21	150	150	66
05/18/2019	22	150	150	64
05/18/2019	23	150	150	60
05/18/2019	24	150	150	57
05/19/2019	1	150	150	51
05/19/2019	2	150	150	50
05/19/2019	3	148	148	49
05/19/2019	4	150	150	47
05/19/2019	5	150	150	48
05/19/2019	6	149	149	48
05/19/2019	7	142	142	48
05/19/2019	8	150	150	50
05/19/2019	9	150	150	53
05/19/2019	10	150	150	57
05/19/2019	11	150	150	59
05/19/2019	12	150	150	59
05/19/2019	13	150	150	60
05/19/2019	14	150	150	61
05/19/2019	15	150	150	60
05/19/2019	16	150	150	58
05/19/2019	17	150	150	58
05/19/2019	18	150	150	62
05/19/2019	19	150	150	65
05/19/2019	20	150	150	64
05/19/2019	21	150	150	63
05/19/2019	22	150	150	59
05/19/2019	23	150		56
05/19/2019	24	150	150	52
05/20/2019	1	150	150	50
05/20/2019	2	150	150	48
05/20/2019	3	148	148	46
05/20/2019	4	150	150	45
05/20/2019	5	150	150	46
05/20/2019	6	149	149	47
05/20/2019	7	142	142	47
05/20/2019	8	150	150	56
05/20/2019	9	150	150	65
05/20/2019	10	150	150	70
05/20/2019	11	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/20/2019	12	150	150	73
05/20/2019	13	150	150	74
05/20/2019	14	150	150	76
05/20/2019	15	150	150	76
05/20/2019	16	150	150	75
05/20/2019	17	150	150	72
05/20/2019	18	150	150	72
05/20/2019	19	150	150	74
05/20/2019	20	150	150	72
05/20/2019	21	150	150	71
05/20/2019	22	150	150	66
05/20/2019	23	150	150	61
05/20/2019	24	150	150	57
05/21/2019	1	150	150	54
05/21/2019	2	150	150	53
05/21/2019	3	144	144	51
05/21/2019	4	137	137	50
05/21/2019	5	138	138	50
05/21/2019	6	137	137	50
05/21/2019	7	133	133	51
05/21/2019	8	145	145	59
05/21/2019	9	150	150	67
05/21/2019	10	150	150	73
05/21/2019	11	150	150	77
05/21/2019	12	150	150	76
05/21/2019	13	150	150	77
05/21/2019	14	150	150	78
05/21/2019	15	150	150	77
05/21/2019	16	150	150	76
05/21/2019	17	150	150	72
05/21/2019	18	150	150	73
05/21/2019	19	150	150	73
05/21/2019	20	150	150	73
05/21/2019	21	150	150	71
05/21/2019	22	150	150	66
05/21/2019	23	150	150	63
05/21/2019	24	150	150	59
05/22/2019	1	150	150	53
05/22/2019	2	150	150	51
05/22/2019	3	146	146	51
05/22/2019	4	139	139	49
05/22/2019	5	138	138	49
05/22/2019	6	134	134	50
05/22/2019	7	133	133	50
05/22/2019	8	148	143	58
05/22/2019	9	150	150	67
05/22/2019	10	150	150	73
05/22/2019	11	150	150	76
05/22/2019	12	150	150	75
05/22/2019	13	150	150	76
05/22/2019	14	150	150	79
05/22/2019	15	150	150	76
05/22/2019	16	150	150	75
05/22/2019	17	150	150	72
05/22/2019	18	150	150	72
05/22/2019	19	150	150	73
05/22/2019	20	150	150	72
05/22/2019	21	150	150	70
05/22/2019	22	150	150	65
05/22/2019	23	150		61
05/22/2019	24	150	150	57
05/23/2019	1	150	150	54
05/23/2019	2	142	142	52
05/23/2019	3	139	139	51
05/23/2019	4	135	135	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/23/2019	5	138	138	50
05/23/2019	6	130	130	48
05/23/2019	7	131	131	48
05/23/2019	8	150	150	58
05/23/2019	9	150	150	67
05/23/2019	10	150	150	71
05/23/2019	11	150	150	75
05/23/2019	12	150	150	74
05/23/2019	13	150	150	76
05/23/2019	14	150	150	78
05/23/2019	15	150	150	76
05/23/2019	16	150	150	75
05/23/2019	17	150	150	72
05/23/2019	18	150	150	72
05/23/2019	19	150	150	72
05/23/2019	20	150	150	70
05/23/2019	21	150	150	68
05/23/2019	22	150	150	64
05/23/2019	23	150	150	60
05/23/2019	24	150	150	56
05/24/2019	1	150	150	54
05/24/2019	2	145	145	52
05/24/2019	3	145	145	52
05/24/2019	4	137	137	50
05/24/2019	5	137	137	50
05/24/2019	6	137	137	50
05/24/2019	7	141	141	51
05/24/2019	8	150	150	58
05/24/2019	9	150	150	68
05/24/2019	10	150	150	72
05/24/2019	11	150	150	77
05/24/2019	12	150	150	76
05/24/2019	13	150	150	76
05/24/2019	14	150	150	78
05/24/2019	15	150	150	76
05/24/2019	16	150	150	74
05/24/2019	17	150	150	72
05/24/2019	18	150	150	72
05/24/2019	19	150	150	72
05/24/2019	20	150	150	70
05/24/2019	21	150	150	68
05/24/2019	22	150	150	64
05/24/2019	23	150	150	60
05/24/2019	24	150	150	56
05/25/2019	1	150	150	52
05/25/2019	2	142	142	51
05/25/2019	3	135	142	50
05/25/2019	4	135	135	48
05/25/2019	5	136	136	48
05/25/2019	6	133	133	48
05/25/2019	7	134	134	48
05/25/2019	8	146	146	53
05/25/2019	9	150	150	62
05/25/2019	10	150	150	67
05/25/2019	11	150	150	69
05/25/2019	12	150	150	69
05/25/2019	13	150	150	69
05/25/2019	14	150	150	71
05/25/2019	15	150	150	69
05/25/2019	16	150	150	67
05/25/2019	17	150	150	66
05/25/2019	18	150	150	68
05/25/2019	19	150	150	69
05/25/2019	20	150	150	68
05/25/2019	21	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/25/2019	22	150	150	63
05/25/2019	23	150	150	59
05/25/2019	24	150	150	54
05/26/2019	1	150	150	53
05/26/2019	2	146	146	51
05/26/2019	3	138	138	49
05/26/2019	4	135	135	47
05/26/2019	5	135	135	47
05/26/2019	6	132	132	47
05/26/2019	7	128	128	47
05/26/2019	8	128	128	49
05/26/2019	9	133	133	54
05/26/2019	10	150	150	57
05/26/2019	11	150	150	60
05/26/2019	12	150	150	61
05/26/2019	13	150	150	62
05/26/2019	14	150	150	63
05/26/2019	15	150	150	62
05/26/2019	16	150	150	61
05/26/2019	17	150	150	60
05/26/2019	18	150	150	63
05/26/2019	19	150	150	67
05/26/2019	20	150	150	66
05/26/2019	21	150	150	65
05/26/2019	22	150	150	62
05/26/2019	23	150	150	58
05/26/2019	24	150	138	55
05/27/2019	1	149	140	52
05/27/2019	2	136	132	49
05/27/2019	3	136	131	48
05/27/2019	4	136	129	46
05/27/2019	5	136	128	46
05/27/2019	6	136	131	47
05/27/2019	7	136	130	48
05/27/2019	8	150	150	56
05/27/2019	9	150	150	65
05/27/2019	10	150	150	71
05/27/2019	11	150	150	73
05/27/2019	12	150	150	73
05/27/2019	13	150	150	75
05/27/2019	14	150	150	78
05/27/2019	15	150	150	78
05/27/2019	16	150	150	76
05/27/2019	17	150	150	72
05/27/2019	18	150	150	72
05/27/2019	19	150	150	72
05/27/2019	20	150	150	71
05/27/2019	21	150	150	69
05/27/2019	22	150	150	64
05/27/2019	23	150		59
05/27/2019	24	150	150	56
05/28/2019	1	150	150	54
05/28/2019	2	150	150	52
05/28/2019	3	150	137	51
05/28/2019	4	150	128	50
05/28/2019	5	150	130	49
05/28/2019	6	150	125	49
05/28/2019	7	150	123	51
05/28/2019	8	150	125	58
05/28/2019	9	150	150	68
05/28/2019	10	150	150	72
05/28/2019	11	150	150	75
05/28/2019	12	150	150	75
05/28/2019	13	150	150	76
05/28/2019	14	150	150	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/28/2019	15	150	150	77
05/28/2019	16	150	150	75
05/28/2019	17	150	150	71
05/28/2019	18	150	150	72
05/28/2019	19	150	150	70
05/28/2019	20	150	150	70
05/28/2019	21	150	150	69
05/28/2019	22	150	150	63
05/28/2019	23	150	150	60
05/28/2019	24	150	139	56
05/29/2019	1	150	150	55
05/29/2019	2	150	150	54
05/29/2019	3	150	150	53
05/29/2019	4	150	150	51
05/29/2019	5	150	150	51
05/29/2019	6	150	150	51
05/29/2019	7	150	150	52
05/29/2019	8	150	150	59
05/29/2019	9	150	150	69
05/29/2019	10	150	150	73
05/29/2019	11	150	150	77
05/29/2019	12	150	150	77
05/29/2019	13	150	150	78
05/29/2019	14	150	150	80
05/29/2019	15	150	150	78
05/29/2019	16	150	150	77
05/29/2019	17	150	150	73
05/29/2019	18	150	150	74
05/29/2019	19	150	150	75
05/29/2019	20	150	150	72
05/29/2019	21	150	150	71
05/29/2019	22	150	150	64
05/29/2019	23	150	150	62
05/29/2019	24	150	150	58
05/30/2019	1	150	150	56
05/30/2019	2	150	150	54
05/30/2019	3	150	150	53
05/30/2019	4	150	150	52
05/30/2019	5	150	150	51
05/30/2019	6	150	150	52
05/30/2019	7	150	150	52
05/30/2019	8	150	150	60
05/30/2019	9	150	150	68
05/30/2019	10	150	150	74
05/30/2019	11	150	150	78
05/30/2019	12	150	150	77
05/30/2019	13	150	150	78
05/30/2019	14	150	150	81
05/30/2019	15	150	150	79
05/30/2019	16	150	150	77
05/30/2019	17	150	150	73
05/30/2019	18	150	150	73
05/30/2019	19	150	150	75
05/30/2019	20	150	150	73
05/30/2019	21	150	150	72
05/30/2019	22	150	150	64
05/30/2019	23	150	150	62
05/30/2019	24	150	150	59
06/01/2019	1	150	150	53
06/01/2019	2	150	150	51
06/01/2019	3	150	150	51
06/01/2019	4	150	150	48
06/01/2019	5	150	150	48
06/01/2019	6	145	140	47
06/01/2019	7	150	150	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/01/2019	8	150	150	53
06/01/2019	9	150	150	60
06/01/2019	10	150	150	64
06/01/2019	11	150	150	68
06/01/2019	12	150	150	67
06/01/2019	13	150	150	68
06/01/2019	14	150	150	69
06/01/2019	15	150	150	68
06/01/2019	16	150	150	66
06/01/2019	17	150	150	64
06/01/2019	18	150	150	67
06/01/2019	19	150	150	69
06/01/2019	20	150	150	68
06/01/2019	21	150	150	66
06/01/2019	22	150	150	64
06/01/2019	23	150	150	59
06/01/2019	24	145	136	54
06/02/2019	1	150	150	53
06/02/2019	2	143	143	50
06/02/2019	3	143	135	49
06/02/2019	4	141	135	48
06/02/2019	5	142	135	47
06/02/2019	6	142	129	46
06/02/2019	7	142	125	46
06/02/2019	8	144	130	48
06/02/2019	9	144	127	51
06/02/2019	10	150	150	55
06/02/2019	11	150	150	59
06/02/2019	12	150	150	59
06/02/2019	13	150	150	60
06/02/2019	14	150	150	61
06/02/2019	15	150	150	60
06/02/2019	16	150	150	59
06/02/2019	17	150	150	58
06/02/2019	18	150	150	60
06/02/2019	19	150	150	66
06/02/2019	20	150	150	65
06/02/2019	21	150	150	63
06/02/2019	22	150	150	57
06/02/2019	23	150		53
06/02/2019	24	143	125	50
06/03/2019	1	145	140	50
06/03/2019	2	145	135	49
06/03/2019	3	145	135	48
06/03/2019	4	144	135	46
06/03/2019	5	145	135	47
06/03/2019	6	145	135	47
06/03/2019	7	145	135	48
06/03/2019	8	150	150	55
06/03/2019	9	150	150	67
06/03/2019	10	150	150	71
06/03/2019	11	150	150	75
06/03/2019	12	150	150	73
06/03/2019	13	150	150	75
06/03/2019	14	150	150	78
06/03/2019	15	150	150	77
06/03/2019	16	150	150	76
06/03/2019	17	150	150	72
06/03/2019	18	150	150	71
06/03/2019	19	150	150	72
06/03/2019	20	150	150	71
06/03/2019	21	150	150	70
06/03/2019	22	150	150	65
06/03/2019	23	150	150	60
06/03/2019	24	150	150	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/04/2019	1	150	150	53
06/04/2019	2	150	150	52
06/04/2019	3	150	150	51
06/04/2019	4	150	150	50
06/04/2019	5	150	150	51
06/04/2019	6	150	150	52
06/04/2019	7	150	150	50
06/04/2019	8	150	150	56
06/04/2019	9	150	150	66
06/04/2019	10	150	150	72
06/04/2019	11	150	150	74
06/04/2019	12	150	150	73
06/04/2019	13	150	150	75
06/04/2019	14	150	150	77
06/04/2019	15	150	150	75
06/04/2019	16	150	150	74
06/04/2019	17	150	150	70
06/04/2019	18	150	150	70
06/04/2019	19	150	150	71
06/04/2019	20	150	150	69
06/04/2019	21	150	150	68
06/04/2019	22	150	150	62
06/04/2019	23	150	150	58
06/04/2019	24	150	150	53
06/05/2019	1	150	145	50
06/05/2019	2	150	145	48
06/05/2019	3	150	140	47
06/05/2019	4	150	136	45
06/05/2019	5	150	145	46
06/05/2019	6	150	145	47
06/05/2019	7	150	145	46
06/05/2019	8	150	145	48
06/05/2019	9	150	145	55
06/05/2019	10	150	147	60
06/05/2019	11	150	147	64
06/05/2019	12	150	147	63
06/05/2019	13	150	147	64
06/05/2019	14	150	147	65
06/05/2019	15	150	147	64
06/05/2019	16	150	147	62
06/05/2019	17	150	147	60
06/05/2019	18	150	147	64
06/05/2019	19	150	147	65
06/05/2019	20	150	147	64
06/05/2019	21	150	147	61
06/05/2019	22	150	147	58
06/05/2019	23	150		54
06/05/2019	24	150	147	51
06/06/2019	1	150	145	49
06/06/2019	2	150	145	48
06/06/2019	3	150	145	47
06/06/2019	4	150	145	44
06/06/2019	5	150	145	48
06/06/2019	6	150	145	50
06/06/2019	7	150	145	47
06/06/2019	8	150	145	54
06/06/2019	9	150	145	64
06/06/2019	10	150	147	69
06/06/2019	11	150	147	71
06/06/2019	12	150	147	68
06/06/2019	13	150	147	69
06/06/2019	14	150	147	73
06/06/2019	15	150	147	71
06/06/2019	16	150	147	69
06/06/2019	17	150	147	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/06/2019	18	150	147	70
06/06/2019	19	150	147	70
06/06/2019	20	150	147	69
06/06/2019	21	150	147	64
06/06/2019	22	150	147	60
06/06/2019	23	150	145	56
06/06/2019	24	150	145	52
06/07/2019	1	150	143	50
06/07/2019	2	150	143	48
06/07/2019	3	150	143	47
06/07/2019	4	150	143	46
06/07/2019	5	150	143	50
06/07/2019	6	150	143	49
06/07/2019	7	150	143	47
06/07/2019	8	150	143	54
06/07/2019	9	150	150	63
06/07/2019	10	150	150	69
06/07/2019	11	150	150	70
06/07/2019	12	150	150	69
06/07/2019	13	150	150	70
06/07/2019	14	150	150	72
06/07/2019	15	150	150	71
06/07/2019	16	150	150	70
06/07/2019	17	150	150	67
06/07/2019	18	150	150	70
06/07/2019	19	150	150	70
06/07/2019	20	150	150	66
06/07/2019	21	150	150	63
06/07/2019	22	150	146	58
06/07/2019	23	150	143	54
06/07/2019	24	150	143	53
06/08/2019	1	150	117	49
06/08/2019	2	150	117	47
06/08/2019	3	150	116	46
06/08/2019	4	150	114	44
06/08/2019	5	150	115	47
06/08/2019	6	150	116	47
06/08/2019	7	150	116	48
06/08/2019	8	150	120	51
06/08/2019	9	150	140	59
06/08/2019	10	150	147	64
06/08/2019	11	150	147	66
06/08/2019	12	150	147	66
06/08/2019	13	150	147	65
06/08/2019	14	150	147	67
06/08/2019	15	150	147	65
06/08/2019	16	150	147	64
06/08/2019	17	150	147	62
06/08/2019	18	150	147	66
06/08/2019	19	150	147	68
06/08/2019	20	150	147	67
06/08/2019	21	150	147	64
06/08/2019	22	150	147	59
06/08/2019	23	150	134	55
06/08/2019	24	150	131	52
06/09/2019	1	150	150	48
06/09/2019	2	150	150	47
06/09/2019	3	150	150	45
06/09/2019	4	150	150	45
06/09/2019	5	150	150	45
06/09/2019	6	150	150	46
06/09/2019	7	150	150	45
06/09/2019	8	150	150	47
06/09/2019	9	150	150	51
06/09/2019	10	150	150	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/09/2019	11	150	150	58
06/09/2019	12	150	150	57
06/09/2019	13	150	150	57
06/09/2019	14	150	150	59
06/09/2019	15	150	150	58
06/09/2019	16	150	150	57
06/09/2019	17	150	150	57
06/09/2019	18	150	150	63
06/09/2019	19	150	150	65
06/09/2019	20	150	150	63
06/09/2019	21	150	150	60
06/09/2019	22	150	150	53
06/09/2019	23	150	135	49
06/09/2019	24	150	126	47
06/10/2019	1	126	126	48
06/10/2019	2	117	116	46
06/10/2019	3	118	118	45
06/10/2019	4	118	118	44
06/10/2019	5	119	119	47
06/10/2019	6	119	119	48
06/10/2019	7	121	121	46
06/10/2019	8	140	140	53
06/10/2019	9	150	150	61
06/10/2019	10	150	150	67
06/10/2019	11	150	150	70
06/10/2019	12	150	150	70
06/10/2019	13	150	150	69
06/10/2019	14	150	150	72
06/10/2019	15	150	150	71
06/10/2019	16	150	150	70
06/10/2019	17	150	150	67
06/10/2019	18	150	150	68
06/10/2019	19	150	150	70
06/10/2019	20	147	145	67
06/10/2019	21	150	150	65
06/10/2019	22	150	150	57
06/10/2019	23	150	150	54
06/10/2019	24	144	144	52
06/11/2019	1	146	146	51
06/11/2019	2	141	141	50
06/11/2019	3	138	138	48
06/11/2019	4	139	139	46
06/11/2019	5	147	137	48
06/11/2019	6	150	140	49
06/11/2019	7	139	139	47
06/11/2019	8	150	150	54
06/11/2019	9	150	150	63
06/11/2019	10	150	150	70
06/11/2019	11	150	150	72
06/11/2019	12	150	150	71
06/11/2019	13	150	150	72
06/11/2019	14	150	150	74
06/11/2019	15	150	150	73
06/11/2019	16	150	150	72
06/11/2019	17	150	150	68
06/11/2019	18	150	150	69
06/11/2019	19	150	150	70
06/11/2019	20	150	150	68
06/11/2019	21	150	150	66
06/11/2019	22	150	150	62
06/11/2019	23	150	150	58
06/11/2019	24	150	150	55
06/12/2019	1	136	136	48
06/12/2019	2	135	131	47
06/12/2019	3	135	135	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/12/2019	4	135	128	45
06/12/2019	5	135	130	47
06/12/2019	6	135	133	46
06/12/2019	7	135	132	45
06/12/2019	8	144	137	50
06/12/2019	9	150	150	56
06/12/2019	10	150	150	61
06/12/2019	11	150	150	64
06/12/2019	12	150	150	64
06/12/2019	13	150	150	64
06/12/2019	14	150	150	66
06/12/2019	15	150	150	63
06/12/2019	16	150	150	60
06/12/2019	17	150	150	59
06/12/2019	18	150	150	62
06/12/2019	19	150	150	64
06/12/2019	20	150	150	63
06/12/2019	21	150	150	60
06/12/2019	22	148	131	54
06/12/2019	23	135	128	51
06/12/2019	24	135	128	48
06/13/2019	1	136	136	48
06/13/2019	2	132	131	47
06/13/2019	3	132	129	47
06/13/2019	4	131	128	45
06/13/2019	5	131	130	47
06/13/2019	6	133	133	48
06/13/2019	7	132	132	47
06/13/2019	8	150	150	53
06/13/2019	9	150	150	62
06/13/2019	10	150	150	68
06/13/2019	11	150	150	71
06/13/2019	12	150	150	70
06/13/2019	13	150	150	71
06/13/2019	14	150	150	73
06/13/2019	15	150	150	72
06/13/2019	16	150	150	71
06/13/2019	17	150	150	68
06/13/2019	18	150	150	68
06/13/2019	19	150	150	70
06/13/2019	20	150	150	69
06/13/2019	21	150	150	66
06/13/2019	22	150	150	61
06/13/2019	23	150	150	57
06/13/2019	24	150	150	52
06/14/2019	1	138	138	50
06/14/2019	2	138	133	49
06/14/2019	3	138	130	47
06/14/2019	4	138	129	46
06/14/2019	5	138	133	49
06/14/2019	6	138	136	49
06/14/2019	7	138	133	47
06/14/2019	8	139	137	54
06/14/2019	9	150	148	63
06/14/2019	10	150	148	69
06/14/2019	11	150	150	72
06/14/2019	12	150	150	71
06/14/2019	13	150	150	72
06/14/2019	14	150	150	73
06/14/2019	15	150	150	72
06/14/2019	16	150	150	71
06/14/2019	17	150	150	68
06/14/2019	18	150	150	69
06/14/2019	19	150	150	71
06/14/2019	20	150	150	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/14/2019	21	150	148	67
06/14/2019	22	150	148	62
06/14/2019	23	148	135	58
06/14/2019	24	138	129	54
06/15/2019	1	135	135	51
06/15/2019	2	134	134	50
06/15/2019	3	133	133	48
06/15/2019	4	130	130	47
06/15/2019	5	134	134	47
06/15/2019	6	135	135	48
06/15/2019	7	135	135	48
06/15/2019	8	139	139	52
06/15/2019	9	150	150	59
06/15/2019	10	150	150	65
06/15/2019	11	150	150	68
06/15/2019	12	150	150	68
06/15/2019	13	150	150	68
06/15/2019	14	150	150	69
06/15/2019	15	150	150	68
06/15/2019	16	150	150	66
06/15/2019	17	150	150	65
06/15/2019	18	150	150	67
06/15/2019	19	150	150	68
06/15/2019	20	150	150	67
06/15/2019	21	150	150	64
06/15/2019	22	150	150	61
06/15/2019	23	150	150	57
06/15/2019	24	150	150	54
06/16/2019	1	132	132	51
06/16/2019	2	131	131	49
06/16/2019	3	129	129	48
06/16/2019	4	128	128	47
06/16/2019	5	128	128	47
06/16/2019	6	129	129	47
06/16/2019	7	128	128	45
06/16/2019	8	130	130	48
06/16/2019	9	134	134	52
06/16/2019	10	145	145	56
06/16/2019	11	150	150	59
06/16/2019	12	150	150	59
06/16/2019	13	150	150	60
06/16/2019	14	150	150	61
06/16/2019	15	150	150	60
06/16/2019	16	150	150	58
06/16/2019	17	150	150	58
06/16/2019	18	150	150	62
06/16/2019	19	150	150	65
06/16/2019	20	150	150	65
06/16/2019	21	150	150	62
06/16/2019	22	138	138	57
06/16/2019	23	129	150	53
06/16/2019	24	125	125	51
06/17/2019	1	140	140	51
06/17/2019	2	138	138	49
06/17/2019	3	132	132	48
06/17/2019	4	130	130	47
06/17/2019	5	132	132	47
06/17/2019	6	134	134	48
06/17/2019	7	134	134	49
06/17/2019	8	147	129	57
06/17/2019	9	148	148	66
06/17/2019	10	150	150	70
06/17/2019	11	150	150	73
06/17/2019	12	150	150	73
06/17/2019	13	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/17/2019	14	150	150	75
06/17/2019	15	150	150	73
06/17/2019	16	150	150	71
06/17/2019	17	150	150	69
06/17/2019	18	150	150	71
06/17/2019	19	150	150	73
06/17/2019	20	147	135	69
06/17/2019	21	148	148	67
06/17/2019	22	147	141	62
06/17/2019	23	147	124	59
06/17/2019	24	143	143	55
06/18/2019	1	150	150	51
06/18/2019	2	150	150	49
06/18/2019	3	150	150	47
06/18/2019	4	150	150	47
06/18/2019	5	150	150	49
06/18/2019	6	150	150	52
06/18/2019	7	150	150	49
06/18/2019	8	150	150	54
06/18/2019	9	150	150	64
06/18/2019	10	150	150	68
06/18/2019	11	150	150	72
06/18/2019	12	150	150	71
06/18/2019	13	150	150	72
06/18/2019	14	150	150	74
06/18/2019	15	150	150	73
06/18/2019	16	150	150	71
06/18/2019	17	150	150	68
06/18/2019	18	150	150	70
06/18/2019	19	150	150	71
06/18/2019	20	150	150	69
06/18/2019	21	150	150	67
06/18/2019	22	150	150	63
06/18/2019	23	150	150	59
06/18/2019	24	150	150	54
06/19/2019	1	135	135	51
06/19/2019	2	132	132	50
06/19/2019	3	126	132	49
06/19/2019	4	125	125	49
06/19/2019	5	127	127	51
06/19/2019	6	129	129	51
06/19/2019	7	129	129	50
06/19/2019	8	150	150	57
06/19/2019	9	150	150	66
06/19/2019	10	150	150	70
06/19/2019	11	150	150	72
06/19/2019	12	150	150	72
06/19/2019	13	150	150	73
06/19/2019	14	150	150	74
06/19/2019	15	150	150	73
06/19/2019	16	150	150	71
06/19/2019	17	150	150	69
06/19/2019	18	150	150	71
06/19/2019	19	150	150	71
06/19/2019	20	150	150	68
06/19/2019	21	150	150	67
06/19/2019	22	150	150	62
06/19/2019	23	150	150	58
06/19/2019	24	135	135	54
06/20/2019	1	135	135	52
06/20/2019	2	133	133	51
06/20/2019	3	126	126	49
06/20/2019	4	126	126	49
06/20/2019	5	128	128	49
06/20/2019	6	129	129	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/20/2019	7	128	128	50
06/20/2019	8	140	140	57
06/20/2019	9	150	150	66
06/20/2019	10	150	150	70
06/20/2019	11	150	150	72
06/20/2019	12	150	150	73
06/20/2019	13	150	150	73
06/20/2019	14	150	150	75
06/20/2019	15	150	150	74
06/20/2019	16	150	150	72
06/20/2019	17	150	150	69
06/20/2019	18	150	150	70
06/20/2019	19	150	150	71
06/20/2019	20	150	150	69
06/20/2019	21	150	150	67
06/20/2019	22	150	150	64
06/20/2019	23	140	140	58
06/20/2019	24	137	137	54
06/21/2019	1	145	145	52
06/21/2019	2	139	136	50
06/21/2019	3	139	138	49
06/21/2019	4	138	138	48
06/21/2019	5	143	143	50
06/21/2019	6	150	150	51
06/21/2019	7	146	146	48
06/21/2019	8	150	150	54
06/21/2019	9	150	150	63
06/21/2019	10	150	150	70
06/21/2019	11	150	150	72
06/21/2019	12	150	150	71
06/21/2019	13	150	150	72
06/21/2019	14	150	150	74
06/21/2019	15	150	150	72
06/21/2019	16	150	150	71
06/21/2019	17	150	150	68
06/21/2019	18	150	150	69
06/21/2019	19	150	150	70
06/21/2019	20	150	150	68
06/21/2019	21	150	150	64
06/21/2019	22	150	150	60
06/21/2019	23	150	150	56
06/21/2019	24	146	146	53
06/22/2019	1	138	134	53
06/22/2019	2	138	132	52
06/22/2019	3	137	130	51
06/22/2019	4	137	129	49
06/22/2019	5	137	130	50
06/22/2019	6	139	132	50
06/22/2019	7	138	132	48
06/22/2019	8	139	136	53
06/22/2019	9	150	150	60
06/22/2019	10	150	150	66
06/22/2019	11	150	150	68
06/22/2019	12	150	150	67
06/22/2019	13	150	150	68
06/22/2019	14	150	150	70
06/22/2019	15	150	150	69
06/22/2019	16	150	150	67
06/22/2019	17	150	150	66
06/22/2019	18	150	150	68
06/22/2019	19	150	150	69
06/22/2019	20	150	150	68
06/22/2019	21	150	150	67
06/22/2019	22	150	150	63
06/22/2019	23	150	150	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/22/2019	24	142	139	56
06/23/2019	1	137	129	53
06/23/2019	2	137	122	52
06/23/2019	3	136	125	50
06/23/2019	4	136	120	48
06/23/2019	5	136	119	48
06/23/2019	6	138	120	48
06/23/2019	7	137	127	48
06/23/2019	8	142	135	50
06/23/2019	9	150	150	54
06/23/2019	10	150	150	57
06/23/2019	11	150	150	60
06/23/2019	12	150	150	61
06/23/2019	13	150	150	62
06/23/2019	14	150	150	63
06/23/2019	15	150	150	63
06/23/2019	16	150	150	61
06/23/2019	17	150	150	59
06/23/2019	18	150	150	63
06/23/2019	19	150	150	66
06/23/2019	20	150	150	64
06/23/2019	21	150	150	62
06/23/2019	22	150	150	59
06/23/2019	23	142		54
06/23/2019	24	141	132	51
06/24/2019	1	145	145	49
06/24/2019	2	149	149	48
06/24/2019	3	150	150	46
06/24/2019	4	145	145	46
06/24/2019	5	150	150	49
06/24/2019	6	150	150	50
06/24/2019	7	149	149	47
06/24/2019	8	150	150	54
06/24/2019	9	150	150	63
06/24/2019	10	150	150	70
06/24/2019	11	150	150	72
06/24/2019	12	150	150	71
06/24/2019	13	150	150	72
06/24/2019	14	150	150	75
06/24/2019	15	150	150	75
06/24/2019	16	150	150	72
06/24/2019	17	150	150	68
06/24/2019	18	150	150	71
06/24/2019	19	150	150	71
06/24/2019	20	150	150	68
06/24/2019	21	150	150	66
06/24/2019	22	150	150	60
06/24/2019	23	141	136	54
06/24/2019	24	141	138	52
06/25/2019	1	142	135	51
06/25/2019	2	142	130	49
06/25/2019	3	142	128	48
06/25/2019	4	142	127	47
06/25/2019	5	142	135	50
06/25/2019	6	142	135	50
06/25/2019	7	142	130	47
06/25/2019	8	150	150	56
06/25/2019	9	150	150	64
06/25/2019	10	150	150	69
06/25/2019	11	150	150	72
06/25/2019	12	150	150	70
06/25/2019	13	150	150	72
06/25/2019	14	150	150	74
06/25/2019	15	150	150	73
06/25/2019	16	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/25/2019	17	150	150	68
06/25/2019	18	150	150	69
06/25/2019	19	150	150	72
06/25/2019	20	150	150	71
06/25/2019	21	150	150	68
06/25/2019	22	150	150	63
06/25/2019	23	150	150	59
06/25/2019	24	145	145	55
06/26/2019	1	139	134	51
06/26/2019	2	139	131	50
06/26/2019	3	139	129	49
06/26/2019	4	139	129	48
06/26/2019	5	139	131	48
06/26/2019	6	139	132	49
06/26/2019	7	139	130	49
06/26/2019	8	150	150	54
06/26/2019	9	150	150	63
06/26/2019	10	150	150	69
06/26/2019	11	150	150	72
06/26/2019	12	150	150	71
06/26/2019	13	150	150	71
06/26/2019	14	150	150	74
06/26/2019	15	150	150	72
06/26/2019	16	150	150	70
06/26/2019	17	150	150	67
06/26/2019	18	150	150	69
06/26/2019	19	150	150	71
06/26/2019	20	150	150	69
06/26/2019	21	150	150	67
06/26/2019	22	150	150	61
06/26/2019	23	150	150	57
06/26/2019	24	139	128	55
06/27/2019	1	150	150	51
06/27/2019	2	150	150	49
06/27/2019	3	150	150	48
06/27/2019	4	150	150	48
06/27/2019	5	150	150	51
06/27/2019	6	150	150	51
06/27/2019	7	150	150	48
06/27/2019	8	150	150	54
06/27/2019	9	150	150	65
06/27/2019	10	150	150	69
06/27/2019	11	150	150	73
06/27/2019	12	150	150	72
06/27/2019	13	150	150	74
06/27/2019	14	150	150	76
06/27/2019	15	150	150	75
06/27/2019	16	150	150	73
06/27/2019	17	150	150	69
06/27/2019	18	150	150	71
06/27/2019	19	150	150	73
06/27/2019	20	150	150	71
06/27/2019	21	150	150	69
06/27/2019	22	150	150	64
06/27/2019	23	150	150	59
06/27/2019	24	150	150	55
06/28/2019	1	135	135	55
06/28/2019	2	132	132	53
06/28/2019	3	130	130	51
06/28/2019	4	129	129	51
06/28/2019	5	131	131	53
06/28/2019	6	133	133	54
06/28/2019	7	129	129	50
06/28/2019	8	137	137	57
06/28/2019	9	150	150	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/28/2019	10	150	150	71
06/28/2019	11	150	150	75
06/28/2019	12	150	150	73
06/28/2019	13	150	150	73
06/28/2019	14	150	150	75
06/28/2019	15	150	150	74
06/28/2019	16	150	150	73
06/28/2019	17	150	150	70
06/28/2019	18	150	150	70
06/28/2019	19	150	150	73
06/28/2019	20	150	150	71
06/28/2019	21	150	150	68
06/28/2019	22	150	150	62
06/28/2019	23	150	145	58
06/28/2019	24	133	133	54
06/29/2019	1	132	132	51
06/29/2019	2	130	130	50
06/29/2019	3	129	129	49
06/29/2019	4	128	128	48
06/29/2019	5	130	130	49
06/29/2019	6	130	130	49
06/29/2019	7	128	128	49
06/29/2019	8	134	134	51
06/29/2019	9	130	130	59
06/29/2019	10	150	150	63
06/29/2019	11	150	150	68
06/29/2019	12	150	150	67
06/29/2019	13	150	150	68
06/29/2019	14	150	150	70
06/29/2019	15	150	150	69
06/29/2019	16	150	150	67
06/29/2019	17	150	150	66
06/29/2019	18	150	150	67
06/29/2019	19	150	150	70
06/29/2019	20	150	150	69
06/29/2019	21	150	150	67
06/29/2019	22	150	150	62
06/29/2019	23	126	126	57
06/29/2019	24	129	129	54
06/30/2019	1	132	132	50
06/30/2019	2	130	130	48
06/30/2019	3	129	129	47
06/30/2019	4	128	128	46
06/30/2019	5	130	130	45
06/30/2019	6	130	130	45
06/30/2019	7	128	128	46
06/30/2019	8	134	134	47
06/30/2019	9	125	125	51
06/30/2019	10	150	150	54
06/30/2019	11	150	150	59
06/30/2019	12	150	150	59
06/30/2019	13	150	150	62
06/30/2019	14	150	150	62
06/30/2019	15	150	150	57
06/30/2019	16	150	150	54
06/30/2019	17	150	150	58
06/30/2019	18	150	150	63
06/30/2019	19	150	150	65
06/30/2019	20	150	150	64
06/30/2019	21	150	150	62
06/30/2019	22	150	150	59
06/30/2019	23	126	126	53
06/30/2019	24	129	129	50
07/01/2019	1	132	132	48
07/01/2019	2	130	130	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/01/2019	3	129	130	45
07/01/2019	4	128	128	45
07/01/2019	5	130	130	49
07/01/2019	6	130	130	50
07/01/2019	7	128	128	47
07/01/2019	8	134	134	54
07/01/2019	9	150	150	63
07/01/2019	10	150	150	69
07/01/2019	11	150	150	72
07/01/2019	12	150	150	71
07/01/2019	13	150	150	72
07/01/2019	14	150	150	74
07/01/2019	15	150	150	73
07/01/2019	16	150	150	69
07/01/2019	17	150	150	67
07/01/2019	18	150	150	70
07/01/2019	19	150	150	71
07/01/2019	20	150	150	68
07/01/2019	21	150	150	66
07/01/2019	22	150	150	59
07/01/2019	23	126	126	56
07/01/2019	24	129	129	53
07/02/2019	1	113	113	51
07/02/2019	2	111	111	49
07/02/2019	3	109	109	48
07/02/2019	4	108	108	48
07/02/2019	5	109	109	50
07/02/2019	6	113	113	52
07/02/2019	7	111	111	48
07/02/2019	8	130	130	54
07/02/2019	9	150	150	63
07/02/2019	10	150	150	68
07/02/2019	11	150	150	71
07/02/2019	12	150	150	70
07/02/2019	13	150	150	71
07/02/2019	14	150	150	74
07/02/2019	15	150	150	73
07/02/2019	16	150	150	72
07/02/2019	17	150	150	70
07/02/2019	18	150	150	70
07/02/2019	19	150	150	73
07/02/2019	20	150	150	70
07/02/2019	21	150	150	68
07/02/2019	22	150	150	63
07/02/2019	23	150	150	58
07/02/2019	24	138	138	55
07/03/2019	1	113	113	49
07/03/2019	2	112	112	48
07/03/2019	3	112	112	47
07/03/2019	4	112	112	46
07/03/2019	5	111	111	50
07/03/2019	6	113	113	51
07/03/2019	7	113	113	49
07/03/2019	8	113	113	54
07/03/2019	9	150	150	63
07/03/2019	10	150	150	68
07/03/2019	11	150	150	72
07/03/2019	12	150	150	71
07/03/2019	13	150	150	72
07/03/2019	14	150	150	73
07/03/2019	15	150	150	72
07/03/2019	16	150	150	71
07/03/2019	17	150	150	69
07/03/2019	18	150	150	69
07/03/2019	19	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/03/2019	20	150	150	69
07/03/2019	21	150	150	66
07/03/2019	22	143	143	59
07/03/2019	23	145	145	55
07/03/2019	24	132	132	52
07/04/2019	1	133	133	50
07/04/2019	2	131	131	49
07/04/2019	3	130	130	47
07/04/2019	4	129	129	47
07/04/2019	5	131	131	51
07/04/2019	6	133	133	52
07/04/2019	7	131	131	48
07/04/2019	8	137	137	54
07/04/2019	9	150	150	64
07/04/2019	10	150	150	68
07/04/2019	11	150	150	71
07/04/2019	12	150	150	70
07/04/2019	13	150	150	72
07/04/2019	14	150	150	73
07/04/2019	15	150	150	72
07/04/2019	16	150	150	71
07/04/2019	17	150	150	67
07/04/2019	18	150	150	69
07/04/2019	19	150	150	70
07/04/2019	20	150	150	69
07/04/2019	21	150	150	66
07/04/2019	22	150	150	62
07/04/2019	23	150	150	56
07/04/2019	24	150	150	52
07/05/2019	1	130	130	50
07/05/2019	2	128	128	48
07/05/2019	3	127	127	47
07/05/2019	4	127	127	46
07/05/2019	5	130	130	50
07/05/2019	6	132	132	51
07/05/2019	7	128	128	47
07/05/2019	8	134	134	54
07/05/2019	9	150	150	63
07/05/2019	10	150	150	67
07/05/2019	11	150	150	71
07/05/2019	12	150	150	70
07/05/2019	13	150	150	71
07/05/2019	14	150	150	72
07/05/2019	15	150	150	71
07/05/2019	16	150	150	70
07/05/2019	17	150	150	67
07/05/2019	18	150	150	69
07/05/2019	19	150	150	70
07/05/2019	20	150	150	68
07/05/2019	21	150	150	65
07/05/2019	22	150	150	61
07/05/2019	23	150	150	56
07/05/2019	24	142	142	52
07/06/2019	1	128	128	49
07/06/2019	2	126	126	48
07/06/2019	3	124	124	47
07/06/2019	4	124	124	46
07/06/2019	5	127	127	47
07/06/2019	6	130	130	49
07/06/2019	7	126	126	49
07/06/2019	8	133	133	53
07/06/2019	9	150	150	60
07/06/2019	10	150	150	64
07/06/2019	11	150	150	67
07/06/2019	12	150	150	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/06/2019	13	150	150	67
07/06/2019	14	150	150	69
07/06/2019	15	150	150	68
07/06/2019	16	150	150	66
07/06/2019	17	150	150	64
07/06/2019	18	150	150	67
07/06/2019	19	150	150	68
07/06/2019	20	150	150	67
07/06/2019	21	150	150	64
07/06/2019	22	150	150	60
07/06/2019	23	130	130	56
07/06/2019	24	126	126	52
07/07/2019	1	128	128	49
07/07/2019	2	126	126	48
07/07/2019	3	124	124	47
07/07/2019	4	124	124	46
07/07/2019	5	127	127	46
07/07/2019	6	130	130	47
07/07/2019	7	126	126	46
07/07/2019	8	133	133	47
07/07/2019	9	134	134	51
07/07/2019	10	150	150	55
07/07/2019	11	150	150	59
07/07/2019	12	150	150	60
07/07/2019	13	150	150	60
07/07/2019	14	150	150	61
07/07/2019	15	150	150	59
07/07/2019	16	150	150	58
07/07/2019	17	150	150	59
07/07/2019	18	150	150	63
07/07/2019	19	150	150	65
07/07/2019	20	150	150	65
07/07/2019	21	150	150	62
07/07/2019	22	150	150	59
07/07/2019	23	133	133	55
07/07/2019	24	126	126	51
07/08/2019	1	128	128	48
07/08/2019	2	126	126	47
07/08/2019	3	124	126	46
07/08/2019	4	124	124	46
07/08/2019	5	127	127	49
07/08/2019	6	130	130	50
07/08/2019	7	126	126	46
07/08/2019	8	143	133	53
07/08/2019	9	150	150	62
07/08/2019	10	150	150	68
07/08/2019	11	150	150	71
07/08/2019	12	150	150	70
07/08/2019	13	150	150	70
07/08/2019	14	150	150	72
07/08/2019	15	150	150	71
07/08/2019	16	150	150	70
07/08/2019	17	150	150	68
07/08/2019	18	150	150	69
07/08/2019	19	150	150	71
07/08/2019	20	150	150	69
07/08/2019	21	150	150	66
07/08/2019	22	150	150	59
07/08/2019	23	140	140	55
07/08/2019	24	134	134	52
07/09/2019	1	126	126	49
07/09/2019	2	124	124	48
07/09/2019	3	123	123	47
07/09/2019	4	122	122	46
07/09/2019	5	124	124	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/09/2019	6	126	126	51
07/09/2019	7	123	123	47
07/09/2019	8	130	130	53
07/09/2019	9	150	150	63
07/09/2019	10	150	150	66
07/09/2019	11	150	150	70
07/09/2019	12	150	150	69
07/09/2019	13	150	150	71
07/09/2019	14	150	150	71
07/09/2019	15	150	150	71
07/09/2019	16	150	150	70
07/09/2019	17	150	150	65
07/09/2019	18	150	150	69
07/09/2019	19	150	150	69
07/09/2019	20	150	150	66
07/09/2019	21	150	150	63
07/09/2019	22	150	150	58
07/09/2019	23	136	136	55
07/09/2019	24	122	122	51
07/10/2019	1	127	127	50
07/10/2019	2	126	126	48
07/10/2019	3	123	123	47
07/10/2019	4	123	123	47
07/10/2019	5	125	125	48
07/10/2019	6	128	128	49
07/10/2019	7	125	125	46
07/10/2019	8	132	132	53
07/10/2019	9	150	150	63
07/10/2019	10	150	150	67
07/10/2019	11	150	150	70
07/10/2019	12	150	150	70
07/10/2019	13	150	150	71
07/10/2019	14	150	150	74
07/10/2019	15	150	150	72
07/10/2019	16	150	150	70
07/10/2019	17	150	150	68
07/10/2019	18	150	150	69
07/10/2019	19	150	150	70
07/10/2019	20	150	150	69
07/10/2019	21	150	150	66
07/10/2019	22	150	150	60
07/10/2019	23	150	150	55
07/10/2019	24	132	132	51
07/11/2019	1	126	126	49
07/11/2019	2	124	124	48
07/11/2019	3	122	122	47
07/11/2019	4	122	122	47
07/11/2019	5	125	125	49
07/11/2019	6	127	127	51
07/11/2019	7	124	124	47
07/11/2019	8	135	135	54
07/11/2019	9	150	150	64
07/11/2019	10	150	150	70
07/11/2019	11	150	150	72
07/11/2019	12	150	150	71
07/11/2019	13	150	150	72
07/11/2019	14	150	150	74
07/11/2019	15	150	150	72
07/11/2019	16	150	150	70
07/11/2019	17	150	150	68
07/11/2019	18	150	150	68
07/11/2019	19	150	150	71
07/11/2019	20	150	150	68
07/11/2019	21	150	150	65
07/11/2019	22	150	150	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/11/2019	23	134	134	54
07/11/2019	24	120	120	51
07/12/2019	1	106	106	48
07/12/2019	2	104	104	46
07/12/2019	3	102	102	45
07/12/2019	4	101	101	45
07/12/2019	5	105	105	48
07/12/2019	6	107	107	49
07/12/2019	7	104	104	46
07/12/2019	8	117	117	53
07/12/2019	9	137	137	61
07/12/2019	10	145	145	66
07/12/2019	11	150	150	69
07/12/2019	12	150	150	68
07/12/2019	13	150	150	68
07/12/2019	14	150	150	71
07/12/2019	15	150	150	70
07/12/2019	16	150	150	70
07/12/2019	17	150	150	67
07/12/2019	18	149	148	68
07/12/2019	19	150	150	69
07/12/2019	20	150	150	67
07/12/2019	21	150	150	65
07/12/2019	22	145	145	59
07/12/2019	23	121		55
07/12/2019	24	119	119	51
07/13/2019	1	108	108	49
07/13/2019	2	106	106	47
07/13/2019	3	104	104	45
07/13/2019	4	104	104	45
07/13/2019	5	107	107	45
07/13/2019	6	108	108	46
07/13/2019	7	104	104	46
07/13/2019	8	110	110	50
07/13/2019	9	127	127	57
07/13/2019	10	132	132	62
07/13/2019	11	141	141	65
07/13/2019	12	141	141	65
07/13/2019	13	146	146	65
07/13/2019	14	150	150	66
07/13/2019	15	150	150	67
07/13/2019	16	145	145	65
07/13/2019	17	134	134	63
07/13/2019	18	150	150	65
07/13/2019	19	150	150	68
07/13/2019	20	150	150	66
07/13/2019	21	150	150	63
07/13/2019	22	145	135	59
07/13/2019	23	141	120	55
07/13/2019	24	104	104	51
07/14/2019	1	127	127	49
07/14/2019	2	125	125	47
07/14/2019	3	124	124	46
07/14/2019	4	123	123	45
07/14/2019	5	126	126	45
07/14/2019	6	128	128	45
07/14/2019	7	124	124	44
07/14/2019	8	129	129	46
07/14/2019	9	127	127	50
07/14/2019	10	131	131	55
07/14/2019	11	123	123	58
07/14/2019	12	123	123	59
07/14/2019	13	124	124	60
07/14/2019	14	125	125	61
07/14/2019	15	127	127	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/14/2019	16	126	126	59
07/14/2019	17	124	124	57
07/14/2019	18	123	123	61
07/14/2019	19	141	141	65
07/14/2019	20	139	138	63
07/14/2019	21	136	136	62
07/14/2019	22	147	121	57
07/14/2019	23	147	119	53
07/14/2019	24	122	122	49
07/15/2019	1	127	127	46
07/15/2019	2	125	125	45
07/15/2019	3	124	125	44
07/15/2019	4	123	123	43
07/15/2019	5	126	126	46
07/15/2019	6	128	128	47
07/15/2019	7	123	123	44
07/15/2019	8	129	129	53
07/15/2019	9	127	127	62
07/15/2019	10	136	136	67
07/15/2019	11	150	150	70
07/15/2019	12	150	150	71
07/15/2019	13	150	150	71
07/15/2019	14	150	150	73
07/15/2019	15	150	150	72
07/15/2019	16	150	150	71
07/15/2019	17	150	150	68
07/15/2019	18	146	146	67
07/15/2019	19	150	150	71
07/15/2019	20	150	150	68
07/15/2019	21	144	143	66
07/15/2019	22	147	131	59
07/15/2019	23	147	119	54
07/15/2019	24	122	122	51
07/16/2019	1	128	112	49
07/16/2019	2	127	108	47
07/16/2019	3	126	106	47
07/16/2019	4	126	105	46
07/16/2019	5	129	108	49
07/16/2019	6	131	112	50
07/16/2019	7	138	107	47
07/16/2019	8	144	113	52
07/16/2019	9	148	135	62
07/16/2019	10	150	150	67
07/16/2019	11	150	150	70
07/16/2019	12	150	150	70
07/16/2019	13	150	150	70
07/16/2019	14	150	150	71
07/16/2019	15	150	150	71
07/16/2019	16	150	150	70
07/16/2019	17	150	150	67
07/16/2019	18	150	150	69
07/16/2019	19	150	150	70
07/16/2019	20	150	150	68
07/16/2019	21	150	150	63
07/16/2019	22	148	140	57
07/16/2019	23	148	119	53
07/16/2019	24	137	111	51
07/17/2019	1	120	120	48
07/17/2019	2	120	115	47
07/17/2019	3	113	111	46
07/17/2019	4	113	110	45
07/17/2019	5	114	114	48
07/17/2019	6	118	118	50
07/17/2019	7	124	105	46
07/17/2019	8	130	130	52

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/17/2019	9	150	145	61
07/17/2019	10	150	150	65
07/17/2019	11	150	150	68
07/17/2019	12	150	150	67
07/17/2019	13	150	150	68
07/17/2019	14	150	150	71
07/17/2019	15	150	150	70
07/17/2019	16	150	150	69
07/17/2019	17	150	150	67
07/17/2019	18	150	150	68
07/17/2019	19	150	150	69
07/17/2019	20	150	150	67
07/17/2019	21	150	150	64
07/17/2019	22	150	150	57
07/17/2019	23	149	150	53
07/17/2019	24	142	142	50
07/18/2019	1	133	123	47
07/18/2019	2	121	121	46
07/18/2019	3	120	120	45
07/18/2019	4	119	119	45
07/18/2019	5	121	121	47
07/18/2019	6	124	124	49
07/18/2019	7	146	119	45
07/18/2019	8	147	130	51
07/18/2019	9	150	150	61
07/18/2019	10	150	150	63
07/18/2019	11	147	146	66
07/18/2019	12	147	146	65
07/18/2019	13	147	146	65
07/18/2019	14	150	150	69
07/18/2019	15	149	149	67
07/18/2019	16	147	147	65
07/18/2019	17	147	144	64
07/18/2019	18	150	150	66
07/18/2019	19	150	150	70
07/18/2019	20	147	145	66
07/18/2019	21	147	145	63
07/18/2019	22	146	146	57
07/18/2019	23	146	143	52
07/18/2019	24	136	136	49
07/19/2019	1	130	130	47
07/19/2019	2	125	125	46
07/19/2019	3	123	120	45
07/19/2019	4	122	113	45
07/19/2019	5	124	115	48
07/19/2019	6	126	121	50
07/19/2019	7	126	119	46
07/19/2019	8	132	129	52
07/19/2019	9	144	130	60
07/19/2019	10	144	140	65
07/19/2019	11	150	150	66
07/19/2019	12	150	150	64
07/19/2019	13	150	150	65
07/19/2019	14	150	150	68
07/19/2019	15	150	150	66
07/19/2019	16	150	150	66
07/19/2019	17	150	150	64
07/19/2019	18	150	150	67
07/19/2019	19	150	150	69
07/19/2019	20	150	150	66
07/19/2019	21	150	150	64
07/19/2019	22	143	130	59
07/19/2019	23	143	127	54
07/19/2019	24	134	134	50
07/20/2019	1	132	132	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/20/2019	2	129	129	48
07/20/2019	3	124	129	47
07/20/2019	4	123	123	46
07/20/2019	5	126	126	46
07/20/2019	6	127	127	49
07/20/2019	7	125	125	49
07/20/2019	8	132	129	51
07/20/2019	9	136	129	58
07/20/2019	10	150	150	64
07/20/2019	11	150	150	67
07/20/2019	12	150	150	65
07/20/2019	13	150	150	66
07/20/2019	14	150	150	70
07/20/2019	15	150	150	69
07/20/2019	16	150	150	66
07/20/2019	17	150	150	65
07/20/2019	18	150	150	67
07/20/2019	19	150	150	70
07/20/2019	20	150	150	68
07/20/2019	21	150	150	66
07/20/2019	22	150	150	60
07/20/2019	23	150	150	55
07/20/2019	24	146	146	53
07/21/2019	1	150	139	50
07/21/2019	2	129	129	48
07/21/2019	3	124	124	47
07/21/2019	4	123	123	46
07/21/2019	5	126	126	46
07/21/2019	6	127	127	47
07/21/2019	7	125	125	46
07/21/2019	8	129	129	48
07/21/2019	9	131	129	51
07/21/2019	10	150	150	55
07/21/2019	11	150	150	58
07/21/2019	12	150	150	59
07/21/2019	13	150	150	60
07/21/2019	14	150	150	61
07/21/2019	15	150	150	58
07/21/2019	16	150	150	58
07/21/2019	17	150	150	58
07/21/2019	18	150	150	63
07/21/2019	19	150	150	66
07/21/2019	20	150	150	65
07/21/2019	21	150	150	62
07/21/2019	22	150	150	59
07/21/2019	23	150	150	54
07/21/2019	24	146	146	51
07/22/2019	1	132	132	48
07/22/2019	2	129	129	46
07/22/2019	3	124	124	46
07/22/2019	4	123	123	45
07/22/2019	5	126	126	49
07/22/2019	6	127	127	50
07/22/2019	7	125	125	47
07/22/2019	8	129	129	52
07/22/2019	9	129	129	63
07/22/2019	10	150	150	68
07/22/2019	11	150	150	70
07/22/2019	12	150	150	69
07/22/2019	13	150	150	71
07/22/2019	14	150	150	73
07/22/2019	15	150	150	73
07/22/2019	16	150	150	71
07/22/2019	17	150	150	68
07/22/2019	18	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/22/2019	19	150	150	71
07/22/2019	20	150	150	69
07/22/2019	21	150	150	66
07/22/2019	22	150	150	59
07/22/2019	23	150	150	54
07/22/2019	24	146	146	51
07/23/2019	1	122	122	48
07/23/2019	2	119	119	46
07/23/2019	3	118	118	45
07/23/2019	4	118	118	45
07/23/2019	5	120	120	48
07/23/2019	6	123	123	50
07/23/2019	7	120	120	46
07/23/2019	8	145	142	53
07/23/2019	9	150	150	62
07/23/2019	10	150	150	68
07/23/2019	11	150	150	71
07/23/2019	12	150	150	70
07/23/2019	13	150	150	71
07/23/2019	14	150	150	74
07/23/2019	15	150	150	73
07/23/2019	16	150	150	71
07/23/2019	17	150	150	68
07/23/2019	18	150	150	68
07/23/2019	19	150	150	72
07/23/2019	20	150	150	70
07/23/2019	21	150	150	67
07/23/2019	22	144	135	61
07/23/2019	23	144	124	57
07/23/2019	24	143	127	53
07/24/2019	1	134	123	48
07/24/2019	2	123	121	46
07/24/2019	3	122	120	45
07/24/2019	4	128	119	44
07/24/2019	5	133	121	48
07/24/2019	6	139	124	50
07/24/2019	7	138	123	45
07/24/2019	8	150	127	52
07/24/2019	9	150	135	62
07/24/2019	10	150	150	66
07/24/2019	11	150	150	69
07/24/2019	12	150	150	69
07/24/2019	13	150	150	71
07/24/2019	14	150	150	73
07/24/2019	15	150	150	71
07/24/2019	16	150	150	69
07/24/2019	17	150	150	66
07/24/2019	18	150	150	68
07/24/2019	19	150	150	70
07/24/2019	20	150	150	67
07/24/2019	21	150	150	63
07/24/2019	22	149	132	57
07/24/2019	23	149		53
07/24/2019	24	149	128	49
07/25/2019	1	122	122	47
07/25/2019	2	120	120	46
07/25/2019	3	119	119	44
07/25/2019	4	119	119	44
07/25/2019	5	122	122	48
07/25/2019	6	124	124	49
07/25/2019	7	121	121	45
07/25/2019	8	132	124	52
07/25/2019	9	140	130	62
07/25/2019	10	150	150	68
07/25/2019	11	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/25/2019	12	150	150	70
07/25/2019	13	150	150	71
07/25/2019	14	150	150	74
07/25/2019	15	150	150	72
07/25/2019	16	150	150	70
07/25/2019	17	150	150	68
07/25/2019	18	150	150	68
07/25/2019	19	150	150	69
07/25/2019	20	150	150	66
07/25/2019	21	150	150	62
07/25/2019	22	150	150	58
07/25/2019	23	150	141	53
07/25/2019	24	150	141	50
07/26/2019	1	133	124	47
07/26/2019	2	133	123	46
07/26/2019	3	133	122	45
07/26/2019	4	131	121	45
07/26/2019	5	131	124	47
07/26/2019	6	132	125	49
07/26/2019	7	133	123	45
07/26/2019	8	150	135	52
07/26/2019	9	150	150	62
07/26/2019	10	150	150	66
07/26/2019	11	150	150	71
07/26/2019	12	150	150	69
07/26/2019	13	150	150	71
07/26/2019	14	150	150	73
07/26/2019	15	150	150	71
07/26/2019	16	150	150	71
07/26/2019	17	150	150	68
07/26/2019	18	150	150	67
07/26/2019	19	150	150	70
07/26/2019	20	150	150	67
07/26/2019	21	150	150	64
07/26/2019	22	150	150	58
07/26/2019	23	150	150	55
07/26/2019	24	150	150	50
07/27/2019	1	135	135	50
07/27/2019	2	128	128	48
07/27/2019	3	119	116	46
07/27/2019	4	119	116	46
07/27/2019	5	120	118	47
07/27/2019	6	124	123	48
07/27/2019	7	126	115	48
07/27/2019	8	132	130	52
07/27/2019	9	144	143	59
07/27/2019	10	150	150	63
07/27/2019	11	150	150	67
07/27/2019	12	150	150	66
07/27/2019	13	150	150	68
07/27/2019	14	150	150	69
07/27/2019	15	150	150	67
07/27/2019	16	150	150	64
07/27/2019	17	150	150	62
07/27/2019	18	150	150	65
07/27/2019	19	150	150	68
07/27/2019	20	150	150	67
07/27/2019	21	150	150	65
07/27/2019	22	150	150	61
07/27/2019	23	143	143	57
07/27/2019	24	127	127	52
07/28/2019	1	121	120	49
07/28/2019	2	120	118	48
07/28/2019	3	120	116	47
07/28/2019	4	120	116	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/28/2019	5	121	118	46
07/28/2019	6	123	119	46
07/28/2019	7	125	115	46
07/28/2019	8	131	130	47
07/28/2019	9	138	138	51
07/28/2019	10	133	133	56
07/28/2019	11	143	143	60
07/28/2019	12	147	147	59
07/28/2019	13	149	149	61
07/28/2019	14	150	150	62
07/28/2019	15	150	150	60
07/28/2019	16	150	150	59
07/28/2019	17	140	140	58
07/28/2019	18	145	145	61
07/28/2019	19	150	150	66
07/28/2019	20	145	145	64
07/28/2019	21	145	145	62
07/28/2019	22	150	146	59
07/28/2019	23	135		54
07/28/2019	24	135	135	50
07/29/2019	1	125	125	47
07/29/2019	2	125	125	45
07/29/2019	3	116	116	44
07/29/2019	4	116	116	44
07/29/2019	5	127	127	46
07/29/2019	6	127	127	48
07/29/2019	7	119	115	44
07/29/2019	8	130	130	53
07/29/2019	9	150	150	63
07/29/2019	10	150	150	68
07/29/2019	11	150	150	70
07/29/2019	12	150	150	70
07/29/2019	13	150	150	71
07/29/2019	14	150	150	73
07/29/2019	15	150	150	72
07/29/2019	16	150	150	71
07/29/2019	17	150	150	68
07/29/2019	18	150	150	68
07/29/2019	19	150	150	70
07/29/2019	20	150	150	68
07/29/2019	21	150	150	65
07/29/2019	22	150	150	59
07/29/2019	23	140	140	54
07/29/2019	24	130	130	50
07/30/2019	1	125	125	47
07/30/2019	2	118	118	46
07/30/2019	3	117	117	45
07/30/2019	4	117	117	45
07/30/2019	5	125	125	47
07/30/2019	6	125	125	49
07/30/2019	7	120	120	46
07/30/2019	8	130	130	52
07/30/2019	9	150	150	61
07/30/2019	10	150	150	68
07/30/2019	11	150	150	70
07/30/2019	12	150	150	70
07/30/2019	13	150	150	70
07/30/2019	14	150	150	72
07/30/2019	15	150	150	71
07/30/2019	16	150	150	69
07/30/2019	17	150	150	67
07/30/2019	18	150	150	67
07/30/2019	19	150	150	68
07/30/2019	20	150	150	64
07/30/2019	21	150	150	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/30/2019	22	150	150	56
07/30/2019	23	150	121	53
07/30/2019	24	145	118	49
07/31/2019	1	132	132	48
07/31/2019	2	123	123	46
07/31/2019	3	122	122	46
07/31/2019	4	122	122	45
07/31/2019	5	130	130	48
07/31/2019	6	138	137	49
07/31/2019	7	127	124	46
07/31/2019	8	150	135	52
07/31/2019	9	150	150	61
07/31/2019	10	150	150	67
07/31/2019	11	150	150	69
07/31/2019	12	150	150	69
07/31/2019	13	150	150	69
07/31/2019	14	150	150	72
07/31/2019	15	150	150	70
07/31/2019	16	150	150	69
07/31/2019	17	150	150	65
07/31/2019	18	150	150	68
07/31/2019	19	150	150	71
07/31/2019	20	150	150	68
07/31/2019	21	150	150	65
07/31/2019	22	150	150	59
07/31/2019	23	150	150	55
07/31/2019	24	150	150	51
08/01/2019	1	122	122	47
08/01/2019	2	120	120	46
08/01/2019	3	119	119	45
08/01/2019	4	119	119	44
08/01/2019	5	121	121	47
08/01/2019	6	125	125	50
08/01/2019	7	127	121	46
08/01/2019	8	125	124	52
08/01/2019	9	150	150	63
08/01/2019	10	150	150	66
08/01/2019	11	150	150	69
08/01/2019	12	150	150	69
08/01/2019	13	150	150	69
08/01/2019	14	150	150	73
08/01/2019	15	150	150	71
08/01/2019	16	150	150	70
08/01/2019	17	150	150	67
08/01/2019	18	150	150	66
08/01/2019	19	150	150	69
08/01/2019	20	150	150	66
08/01/2019	21	150	145	64
08/01/2019	22	150	128	58
08/01/2019	23	150	127	53
08/01/2019	24	150	122	49
08/02/2019	1	140	132	48
08/02/2019	2	140	124	46
08/02/2019	3	140	120	45
08/02/2019	4	140	120	44
08/02/2019	5	140	121	47
08/02/2019	6	140	125	49
08/02/2019	7	141	122	45
08/02/2019	8	142	127	51
08/02/2019	9	145	145	61
08/02/2019	10	150	150	66
08/02/2019	11	150	150	68
08/02/2019	12	150	150	67
08/02/2019	13	150	150	66
08/02/2019	14	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/02/2019	15	150	150	69
08/02/2019	16	150	150	68
08/02/2019	17	150	150	66
08/02/2019	18	150	150	67
08/02/2019	19	150	150	70
08/02/2019	20	150	150	68
08/02/2019	21	150	150	64
08/02/2019	22	150	150	58
08/02/2019	23	150	150	54
08/02/2019	24	141	138	50
08/03/2019	1	147	123	51
08/03/2019	2	135	122	49
08/03/2019	3	121	121	47
08/03/2019	4	120	120	45
08/03/2019	5	120	120	47
08/03/2019	6	121	121	48
08/03/2019	7	121	121	46
08/03/2019	8	126	126	50
08/03/2019	9	128	123	56
08/03/2019	10	133	120	60
08/03/2019	11	150	135	65
08/03/2019	12	148	132	64
08/03/2019	13	148	127	63
08/03/2019	14	150	135	66
08/03/2019	15	148	127	65
08/03/2019	16	148	122	63
08/03/2019	17	148	122	62
08/03/2019	18	150	135	65
08/03/2019	19	150	145	67
08/03/2019	20	144	140	65
08/03/2019	21	144	135	63
08/03/2019	22	148	142	58
08/03/2019	23	148	119	54
08/03/2019	24	144	119	50
08/04/2019	1	139	128	50
08/04/2019	2	136	127	48
08/04/2019	3	130	136	47
08/04/2019	4	124	124	46
08/04/2019	5	123	123	46
08/04/2019	6	130	130	46
08/04/2019	7	126	126	45
08/04/2019	8	124	124	46
08/04/2019	9	129	120	51
08/04/2019	10	134	122	54
08/04/2019	11	142	122	57
08/04/2019	12	142	117	55
08/04/2019	13	142	125	57
08/04/2019	14	142	133	60
08/04/2019	15	142	142	58
08/04/2019	16	142	125	57
08/04/2019	17	142	115	55
08/04/2019	18	142	131	60
08/04/2019	19	150	150	63
08/04/2019	20	142	140	62
08/04/2019	21	142	127	57
08/04/2019	22	141	121	54
08/04/2019	23	141	123	50
08/04/2019	24	140	119	47
08/05/2019	1	139	120	46
08/05/2019	2	136	118	45
08/05/2019	3	122	117	45
08/05/2019	4	117	117	44
08/05/2019	5	119	119	47
08/05/2019	6	121	121	49
08/05/2019	7	118	118	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/05/2019	8	124	124	52
08/05/2019	9	150	145	61
08/05/2019	10	150	145	66
08/05/2019	11	150	150	69
08/05/2019	12	150	150	68
08/05/2019	13	150	150	70
08/05/2019	14	150	150	72
08/05/2019	15	150	150	70
08/05/2019	16	150	150	68
08/05/2019	17	150	146	66
08/05/2019	18	150	150	67
08/05/2019	19	150	150	69
08/05/2019	20	150	150	67
08/05/2019	21	142	135	63
08/05/2019	22	141	131	57
08/05/2019	23	142	142	53
08/05/2019	24	140	118	49
08/06/2019	1	141	124	47
08/06/2019	2	141	121	46
08/06/2019	3	141	119	45
08/06/2019	4	141	119	45
08/06/2019	5	141	125	47
08/06/2019	6	141	129	50
08/06/2019	7	142	121	45
08/06/2019	8	143	133	51
08/06/2019	9	150	150	63
08/06/2019	10	150	150	67
08/06/2019	11	150	150	69
08/06/2019	12	150	150	69
08/06/2019	13	150	150	69
08/06/2019	14	150	150	73
08/06/2019	15	150	150	71
08/06/2019	16	150	150	69
08/06/2019	17	150	150	66
08/06/2019	18	150	150	68
08/06/2019	19	150	150	67
08/06/2019	20	150	150	65
08/06/2019	21	150	150	61
08/06/2019	22	147	147	56
08/06/2019	23	142	127	52
08/06/2019	24	142	126	49
08/07/2019	1	140	125	49
08/07/2019	2	140	120	48
08/07/2019	3	140	116	46
08/07/2019	4	140	115	46
08/07/2019	5	140	125	48
08/07/2019	6	140	126	51
08/07/2019	7	141	117	47
08/07/2019	8	142	141	52
08/07/2019	9	150	141	60
08/07/2019	10	150	150	65
08/07/2019	11	150	150	67
08/07/2019	12	150	150	67
08/07/2019	13	150	150	67
08/07/2019	14	150	150	70
08/07/2019	15	150	150	69
08/07/2019	16	150	150	68
08/07/2019	17	150	150	66
08/07/2019	18	150	150	67
08/07/2019	19	150	150	69
08/07/2019	20	150	150	67
08/07/2019	21	150	150	65
08/07/2019	22	150	150	60
08/07/2019	23	141	125	55
08/07/2019	24	141	116	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/08/2019	1	150	105	50
08/08/2019	2	150	105	49
08/08/2019	3	150	104	47
08/08/2019	4	150	104	47
08/08/2019	5	150	104	49
08/08/2019	6	150	106	52
08/08/2019	7	150	107	46
08/08/2019	8	150	122	53
08/08/2019	9	150	135	62
08/08/2019	10	150	150	66
08/08/2019	11	150	150	69
08/08/2019	12	150	150	69
08/08/2019	13	150	150	70
08/08/2019	14	150	150	74
08/08/2019	15	150	150	72
08/08/2019	16	150	150	69
08/08/2019	17	150	150	68
08/08/2019	18	150	150	69
08/08/2019	19	150	150	72
08/08/2019	20	150	150	70
08/08/2019	21	150	150	67
08/08/2019	22	150	140	61
08/08/2019	23	150	143	57
08/08/2019	24	150	109	53
08/09/2019	1	150	124	51
08/09/2019	2	141	122	49
08/09/2019	3	131	120	47
08/09/2019	4	121	119	48
08/09/2019	5	122	122	48
08/09/2019	6	125	125	51
08/09/2019	7	127	123	47
08/09/2019	8	141	141	53
08/09/2019	9	150	150	63
08/09/2019	10	150	150	68
08/09/2019	11	150	150	71
08/09/2019	12	150	150	70
08/09/2019	13	150	150	71
08/09/2019	14	150	150	75
08/09/2019	15	150	150	73
08/09/2019	16	150	150	72
08/09/2019	17	150	150	68
08/09/2019	18	150	150	70
08/09/2019	19	150	150	74
08/09/2019	20	150	150	71
08/09/2019	21	150	150	69
08/09/2019	22	150	150	64
08/09/2019	23	150	145	59
08/09/2019	24	134	134	55
08/10/2019	1	150	120	53
08/10/2019	2	150	119	51
08/10/2019	3	150	118	50
08/10/2019	4	149	117	49
08/10/2019	5	142	117	48
08/10/2019	6	141	118	48
08/10/2019	7	136	119	48
08/10/2019	8	150	124	52
08/10/2019	9	150	121	58
08/10/2019	10	150	124	63
08/10/2019	11	150	140	66
08/10/2019	12	150	146	65
08/10/2019	13	150	145	68
08/10/2019	14	150	150	70
08/10/2019	15	150	150	67
08/10/2019	16	150	147	65
08/10/2019	17	150	138	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/10/2019	18	150	139	66
08/10/2019	19	150	150	70
08/10/2019	20	150	148	68
08/10/2019	21	150	148	66
08/10/2019	22	150	137	62
08/10/2019	23	150	136	58
08/10/2019	24	150	130	53
08/11/2019	1	150	118	50
08/11/2019	2	150	116	49
08/11/2019	3	150	150	47
08/11/2019	4	149	114	46
08/11/2019	5	142	114	46
08/11/2019	6	141	115	47
08/11/2019	7	138	116	46
08/11/2019	8	150	118	46
08/11/2019	9	150	122	51
08/11/2019	10	150	116	55
08/11/2019	11	150	121	58
08/11/2019	12	150	120	59
08/11/2019	13	150	130	61
08/11/2019	14	150	130	62
08/11/2019	15	150	150	59
08/11/2019	16	150	120	58
08/11/2019	17	150	118	57
08/11/2019	18	150	130	60
08/11/2019	19	150	150	65
08/11/2019	20	150	130	64
08/11/2019	21	150	130	62
08/11/2019	22	150	130	58
08/11/2019	23	150	121	54
08/11/2019	24	150	117	50
08/12/2019	1	149	120	48
08/12/2019	2	149	119	46
08/12/2019	3	149	117	45
08/12/2019	4	148	117	44
08/12/2019	5	141	119	46
08/12/2019	6	140	122	47
08/12/2019	7	137	119	48
08/12/2019	8	149	125	51
08/12/2019	9	150	148	58
08/12/2019	10	150	150	62
08/12/2019	11	150	150	65
08/12/2019	12	150	150	66
08/12/2019	13	150	150	66
08/12/2019	14	150	150	67
08/12/2019	15	150	150	65
08/12/2019	16	150	150	64
08/12/2019	17	150	150	62
08/12/2019	18	150	150	65
08/12/2019	19	150	150	69
08/12/2019	20	150	150	66
08/12/2019	21	150	150	63
08/12/2019	22	150	150	56
08/12/2019	23	150	143	53
08/12/2019	24	149	120	49
08/13/2019	1	149	120	47
08/13/2019	2	149	118	46
08/13/2019	3	149	117	45
08/13/2019	4	148	117	45
08/13/2019	5	141	119	47
08/13/2019	6	140	122	50
08/13/2019	7	140	119	46
08/13/2019	8	149	124	51
08/13/2019	9	150	150	61
08/13/2019	10	150	150	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/13/2019	11	150	150	69
08/13/2019	12	150	150	68
08/13/2019	13	150	150	69
08/13/2019	14	150	150	73
08/13/2019	15	150	150	71
08/13/2019	16	150	150	69
08/13/2019	17	150	150	67
08/13/2019	18	150	150	68
08/13/2019	19	150	150	71
08/13/2019	20	150	150	70
08/13/2019	21	150	150	66
08/13/2019	22	150	150	61
08/13/2019	23	150	143	55
08/13/2019	24	149	131	53
08/14/2019	1	128	128	52
08/14/2019	2	127	127	50
08/14/2019	3	114	114	48
08/14/2019	4	114	114	48
08/14/2019	5	116	116	49
08/14/2019	6	125	120	51
08/14/2019	7	118	118	47
08/14/2019	8	131	131	54
08/14/2019	9	146	146	62
08/14/2019	10	150	150	68
08/14/2019	11	150	150	72
08/14/2019	12	150	150	71
08/14/2019	13	150	150	72
08/14/2019	14	150	150	74
08/14/2019	15	150	150	73
08/14/2019	16	150	150	72
08/14/2019	17	150	150	69
08/14/2019	18	150	150	70
08/14/2019	19	150	150	72
08/14/2019	20	150	150	70
08/14/2019	21	150	150	68
08/14/2019	22	150	144	62
08/14/2019	23	150	124	57
08/14/2019	24	119	119	52
08/15/2019	1	135	135	53
08/15/2019	2	126	124	51
08/15/2019	3	116	116	51
08/15/2019	4	115	115	50
08/15/2019	5	132	132	52
08/15/2019	6	126	125	52
08/15/2019	7	119	119	48
08/15/2019	8	138	138	56
08/15/2019	9	150	150	66
08/15/2019	10	150	150	70
08/15/2019	11	150	150	73
08/15/2019	12	150	150	73
08/15/2019	13	150	150	75
08/15/2019	14	150	150	76
08/15/2019	15	150	150	74
08/15/2019	16	150	150	73
08/15/2019	17	150	150	70
08/15/2019	18	150	150	70
08/15/2019	19	150	150	74
08/15/2019	20	150	150	72
08/15/2019	21	150	150	68
08/15/2019	22	150	150	65
08/15/2019	23	150		58
08/15/2019	24	120	120	54
08/16/2019	1	127	127	52
08/16/2019	2	126	126	51
08/16/2019	3	124	124	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/16/2019	4	123	123	49
08/16/2019	5	126	126	50
08/16/2019	6	128	128	52
08/16/2019	7	126	126	48
08/16/2019	8	141	141	56
08/16/2019	9	150	150	65
08/16/2019	10	150	150	72
08/16/2019	11	150	150	75
08/16/2019	12	150	150	73
08/16/2019	13	150	150	74
08/16/2019	14	150	150	77
08/16/2019	15	150	150	75
08/16/2019	16	150	150	74
08/16/2019	17	150	150	70
08/16/2019	18	150	150	70
08/16/2019	19	150	150	72
08/16/2019	20	150	150	70
08/16/2019	21	150	150	68
08/16/2019	22	150	150	64
08/16/2019	23	150	136	60
08/16/2019	24	133	133	55
08/17/2019	1	127	127	50
08/17/2019	2	125	125	49
08/17/2019	3	124	124	48
08/17/2019	4	123	123	47
08/17/2019	5	125	125	47
08/17/2019	6	127	127	48
08/17/2019	7	126	126	47
08/17/2019	8	133	133	52
08/17/2019	9	150	134	59
08/17/2019	10	150	125	63
08/17/2019	11	150	138	67
08/17/2019	12	150	138	66
08/17/2019	13	150	145	68
08/17/2019	14	150	150	70
08/17/2019	15	150	150	68
08/17/2019	16	150	140	67
08/17/2019	17	150	142	64
08/17/2019	18	150	150	66
08/17/2019	19	150	150	71
08/17/2019	20	150	150	69
08/17/2019	21	150	143	66
08/17/2019	22	150	132	62
08/17/2019	23	150	138	58
08/17/2019	24	135	135	54
08/18/2019	1	127	127	52
08/18/2019	2	125	125	50
08/18/2019	3	124	125	48
08/18/2019	4	123	123	47
08/18/2019	5	125	125	47
08/18/2019	6	127	127	46
08/18/2019	7	126	126	45
08/18/2019	8	133	133	47
08/18/2019	9	150	134	52
08/18/2019	10	150	125	56
08/18/2019	11	150	130	60
08/18/2019	12	150	126	59
08/18/2019	13	150	129	61
08/18/2019	14	150	135	62
08/18/2019	15	150	150	61
08/18/2019	16	150	127	59
08/18/2019	17	150	126	58
08/18/2019	18	150	127	63
08/18/2019	19	150	141	68
08/18/2019	20	150	131	66

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/18/2019	21	150	133	64
08/18/2019	22	150	128	59
08/18/2019	23	150	138	54
08/18/2019	24	135	135	50
08/19/2019	1	127	127	48
08/19/2019	2	125	125	46
08/19/2019	3	124	124	45
08/19/2019	4	123	123	45
08/19/2019	5	125	125	47
08/19/2019	6	127	127	48
08/19/2019	7	126	126	45
08/19/2019	8	133	133	52
08/19/2019	9	150	150	63
08/19/2019	10	150	150	68
08/19/2019	11	150	150	72
08/19/2019	12	150	150	72
08/19/2019	13	150	150	74
08/19/2019	14	150	150	77
08/19/2019	15	150	150	75
08/19/2019	16	150	150	73
08/19/2019	17	150	150	69
08/19/2019	18	150	150	70
08/19/2019	19	150	150	74
08/19/2019	20	150	150	72
08/19/2019	21	150	150	69
08/19/2019	22	150	150	64
08/19/2019	23	143	138	58
08/19/2019	24	135	135	54
08/20/2019	1	118	118	49
08/20/2019	2	116	116	47
08/20/2019	3	114	114	46
08/20/2019	4	114	114	46
08/20/2019	5	115	115	48
08/20/2019	6	119	119	51
08/20/2019	7	117	117	46
08/20/2019	8	123	123	52
08/20/2019	9	146	130	63
08/20/2019	10	150	127	67
08/20/2019	11	150	150	69
08/20/2019	12	150	150	69
08/20/2019	13	150	150	70
08/20/2019	14	150	150	73
08/20/2019	15	150	150	71
08/20/2019	16	150	150	68
08/20/2019	17	150	150	67
08/20/2019	18	150	150	68
08/20/2019	19	150	150	71
08/20/2019	20	150	150	69
08/20/2019	21	150	141	66
08/20/2019	22	150	118	61
08/20/2019	23	150	123	56
08/20/2019	24	116	116	52
08/21/2019	1	118	118	50
08/21/2019	2	117	117	48
08/21/2019	3	116	116	46
08/21/2019	4	115	115	45
08/21/2019	5	117	117	46
08/21/2019	6	120	120	47
08/21/2019	7	118	118	46
08/21/2019	8	122	122	52
08/21/2019	9	145	126	59
08/21/2019	10	150	125	66
08/21/2019	11	150	150	68
08/21/2019	12	150	146	68
08/21/2019	13	150	150	68

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/21/2019	14	150	150	70
08/21/2019	15	150	150	69
08/21/2019	16	150	150	67
08/21/2019	17	150	146	65
08/21/2019	18	150	150	68
08/21/2019	19	150	150	71
08/21/2019	20	150	150	69
08/21/2019	21	150	150	67
08/21/2019	22	150	130	62
08/21/2019	23	150	123	58
08/21/2019	24	123	123	52
08/22/2019	1	120	120	49
08/22/2019	2	119	119	48
08/22/2019	3	118	118	47
08/22/2019	4	117	117	46
08/22/2019	5	119	119	49
08/22/2019	6	121	121	52
08/22/2019	7	120	120	49
08/22/2019	8	125	125	54
08/22/2019	9	150	127	66
08/22/2019	10	150	137	71
08/22/2019	11	150	150	74
08/22/2019	12	150	150	74
08/22/2019	13	150	150	75
08/22/2019	14	150	150	77
08/22/2019	15	150	150	75
08/22/2019	16	150	150	73
08/22/2019	17	150	144	69
08/22/2019	18	150	150	71
08/22/2019	19	150	150	73
08/22/2019	20	150	150	72
08/22/2019	21	150	139	68
08/22/2019	22	150	138	63
08/22/2019	23	150		58
08/22/2019	24	125	125	53
08/23/2019	1	122	122	48
08/23/2019	2	121	121	47
08/23/2019	3	119	119	47
08/23/2019	4	118	118	46
08/23/2019	5	122	122	49
08/23/2019	6	125	125	51
08/23/2019	7	123	123	47
08/23/2019	8	129	129	52
08/23/2019	9	143	134	63
08/23/2019	10	150	136	68
08/23/2019	11	150	150	71
08/23/2019	12	150	145	70
08/23/2019	13	150	150	72
08/23/2019	14	150	150	74
08/23/2019	15	150	150	72
08/23/2019	16	150	150	70
08/23/2019	17	150	140	68
08/23/2019	18	150	150	69
08/23/2019	19	150	150	72
08/23/2019	20	150	150	69
08/23/2019	21	148	141	66
08/23/2019	22	150	127	61
08/23/2019	23	150	133	56
08/23/2019	24	127	127	52
08/24/2019	1	119	119	47
08/24/2019	2	117	117	46
08/24/2019	3	108	108	45
08/24/2019	4	103	103	44
08/24/2019	5	107	107	44
08/24/2019	6	116	116	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/24/2019	7	114	113	46
08/24/2019	8	127	127	50
08/24/2019	9	146	131	57
08/24/2019	10	150	134	61
08/24/2019	11	150	130	65
08/24/2019	12	150	131	64
08/24/2019	13	150	133	66
08/24/2019	14	150	138	68
08/24/2019	15	150	138	67
08/24/2019	16	150	134	65
08/24/2019	17	150	127	62
08/24/2019	18	150	128	64
08/24/2019	19	150	135	68
08/24/2019	20	150	133	65
08/24/2019	21	150	130	62
08/24/2019	22	150	127	59
08/24/2019	23	138	135	54
08/24/2019	24	129	129	50
08/25/2019	1	119	119	48
08/25/2019	2	120	120	46
08/25/2019	3	118	118	45
08/25/2019	4	120	120	44
08/25/2019	5	122	122	44
08/25/2019	6	124	124	45
08/25/2019	7	122	122	44
08/25/2019	8	127	127	46
08/25/2019	9	150	119	50
08/25/2019	10	150	116	53
08/25/2019	11	150	130	57
08/25/2019	12	150	131	57
08/25/2019	13	150	133	58
08/25/2019	14	150	138	60
08/25/2019	15	150	138	59
08/25/2019	16	150	134	58
08/25/2019	17	150	127	57
08/25/2019	18	150	128	61
08/25/2019	19	150	135	66
08/25/2019	20	150	133	64
08/25/2019	21	150	130	61
08/25/2019	22	150	127	57
08/25/2019	23	150	132	52
08/25/2019	24	129	127	46
08/26/2019	1	119	119	47
08/26/2019	2	120	120	46
08/26/2019	3	118	118	45
08/26/2019	4	120	120	44
08/26/2019	5	122	122	45
08/26/2019	6	124	124	46
08/26/2019	7	122	122	45
08/26/2019	8	127	127	49
08/26/2019	9	150	131	55
08/26/2019	10	150	134	60
08/26/2019	11	150	130	61
08/26/2019	12	150	131	61
08/26/2019	13	150	133	61
08/26/2019	14	150	138	63
08/26/2019	15	150	138	62
08/26/2019	16	150	134	61
08/26/2019	17	150	127	61
08/26/2019	18	150	128	65
08/26/2019	19	150	135	68
08/26/2019	20	150	133	65
08/26/2019	21	150	130	63
08/26/2019	22	150	127	57
08/26/2019	23	150	138	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/26/2019	24	129	129	50
08/27/2019	1	119	119	49
08/27/2019	2	120	120	47
08/27/2019	3	118	120	46
08/27/2019	4	120	120	45
08/27/2019	5	122	122	47
08/27/2019	6	124	124	51
08/27/2019	7	122	122	46
08/27/2019	8	127	127	53
08/27/2019	9	150	131	62
08/27/2019	10	150	134	66
08/27/2019	11	150	150	69
08/27/2019	12	150	147	69
08/27/2019	13	150	150	70
08/27/2019	14	150	150	74
08/27/2019	15	150	150	72
08/27/2019	16	150	150	70
08/27/2019	17	150	150	68
08/27/2019	18	150	150	69
08/27/2019	19	150	150	72
08/27/2019	20	150	150	70
08/27/2019	21	150	150	67
08/27/2019	22	150	138	63
08/27/2019	23	150	138	57
08/27/2019	24	129	129	53
08/28/2019	1	122	122	48
08/28/2019	2	120	120	47
08/28/2019	3	119	119	45
08/28/2019	4	118	118	45
08/28/2019	5	121	121	46
08/28/2019	6	122	122	50
08/28/2019	7	120	120	46
08/28/2019	8	126	126	51
08/28/2019	9	143	130	59
08/28/2019	10	145	140	65
08/28/2019	11	150	140	68
08/28/2019	12	150	140	68
08/28/2019	13	150	140	69
08/28/2019	14	150	150	72
08/28/2019	15	150	150	70
08/28/2019	16	150	140	67
08/28/2019	17	150	140	65
08/28/2019	18	150	140	69
08/28/2019	19	150	150	71
08/28/2019	20	150	145	69
08/28/2019	21	149	140	66
08/28/2019	22	150	135	62
08/28/2019	23	150	135	57
08/28/2019	24	127	127	53
08/29/2019	1	122	122	47
08/29/2019	2	120	120	46
08/29/2019	3	119	119	45
08/29/2019	4	118	118	45
08/29/2019	5	121	121	47
08/29/2019	6	122	122	50
08/29/2019	7	120	120	46
08/29/2019	8	126	126	53
08/29/2019	9	148	130	61
08/29/2019	10	150	136	66
08/29/2019	11	150	150	69
08/29/2019	12	150	150	69
08/29/2019	13	150	150	70
08/29/2019	14	150	150	74
08/29/2019	15	150	150	72
08/29/2019	16	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/29/2019	17	150	150	68
08/29/2019	18	150	150	69
08/29/2019	19	150	150	71
08/29/2019	20	150	150	68
08/29/2019	21	150	150	65
08/29/2019	22	150	126	60
08/29/2019	23	150	135	56
08/29/2019	24	127	127	51
08/30/2019	1	120	120	51
08/30/2019	2	119	119	49
08/30/2019	3	118	118	49
08/30/2019	4	117	117	48
08/30/2019	5	119	119	49
08/30/2019	6	120	120	51
08/30/2019	7	119	119	47
08/30/2019	8	124	124	55
08/30/2019	9	141	125	62
08/30/2019	10	145	122	67
08/30/2019	11	148	140	70
08/30/2019	12	150	135	70
08/30/2019	13	150	135	70
08/30/2019	14	150	145	73
08/30/2019	15	150	140	71
08/30/2019	16	150	135	70
08/30/2019	17	150	125	67
08/30/2019	18	149	135	68
08/30/2019	19	150	143	70
08/30/2019	20	150	135	69
08/30/2019	21	149	118	66
08/30/2019	22	150	121	61
08/30/2019	23	150	131	56
08/30/2019	24	126	126	52
08/31/2019	1	121	121	50
08/31/2019	2	119	119	49
08/31/2019	3	118	118	47
08/31/2019	4	117	117	46
08/31/2019	5	117	117	47
08/31/2019	6	119	119	48
08/31/2019	7	120	120	47
08/31/2019	8	124	124	52
08/31/2019	9	146	119	59
08/31/2019	10	149	117	64
08/31/2019	11	149	119	66
08/31/2019	12	150	110	66
08/31/2019	13	150	120	66
08/31/2019	14	150	129	69
08/31/2019	15	150	125	68
08/31/2019	16	150	121	66
08/31/2019	17	150	109	63
08/31/2019	18	150	125	67
08/31/2019	19	150	130	69
08/31/2019	20	150	130	68
08/31/2019	21	150	126	66
08/31/2019	22	150	126	62
08/31/2019	23	150	150	58
08/31/2019	24	124	124	53
09/01/2019	1	117	117	51
09/01/2019	2	116	116	50
09/01/2019	3	114	114	48
09/01/2019	4	114	114	47
09/01/2019	5	114	114	47
09/01/2019	6	114	114	45
09/01/2019	7	114	114	45
09/01/2019	8	116	116	47
09/01/2019	9	148	114	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/01/2019	10	150	112	55
09/01/2019	11	150	114	57
09/01/2019	12	150	115	58
09/01/2019	13	150	116	59
09/01/2019	14	150	117	59
09/01/2019	15	150	117	58
09/01/2019	16	150	116	57
09/01/2019	17	150	115	57
09/01/2019	18	150	116	61
09/01/2019	19	150	145	65
09/01/2019	20	150	130	64
09/01/2019	21	150	119	61
09/01/2019	22	150	119	57
09/01/2019	23	150	118	52
09/01/2019	24	116	116	48
09/02/2019	1	120	120	47
09/02/2019	2	119	119	46
09/02/2019	3	117	117	45
09/02/2019	4	117	117	45
09/02/2019	5	117	117	46
09/02/2019	6	117	117	48
09/02/2019	7	117	117	45
09/02/2019	8	120	120	51
09/02/2019	9	148	119	62
09/02/2019	10	150	137	66
09/02/2019	11	150	150	70
09/02/2019	12	150	150	70
09/02/2019	13	150	150	70
09/02/2019	14	150	150	72
09/02/2019	15	150	150	71
09/02/2019	16	150	150	70
09/02/2019	17	150	150	68
09/02/2019	18	150	150	69
09/02/2019	19	150	150	71
09/02/2019	20	150	150	68
09/02/2019	21	150	133	65
09/02/2019	22	150	122	60
09/02/2019	23	150	126	55
09/02/2019	24	121	121	51
09/03/2019	1	125	125	48
09/03/2019	2	123	123	47
09/03/2019	3	122	123	46
09/03/2019	4	122	122	46
09/03/2019	5	122	122	47
09/03/2019	6	126	124	51
09/03/2019	7	125	122	45
09/03/2019	8	128	128	51
09/03/2019	9	148	130	61
09/03/2019	10	150	150	67
09/03/2019	11	150	150	70
09/03/2019	12	150	150	69
09/03/2019	13	150	150	70
09/03/2019	14	150	150	72
09/03/2019	15	150	150	71
09/03/2019	16	150	150	69
09/03/2019	17	150	150	67
09/03/2019	18	150	150	70
09/03/2019	19	150	150	70
09/03/2019	20	150	150	67
09/03/2019	21	150	149	63
09/03/2019	22	150	138	60
09/03/2019	23	150	134	55
09/03/2019	24	128	127	52
09/04/2019	1	150	128	48
09/04/2019	2	150	128	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/04/2019	3	150	128	45
09/04/2019	4	150	128	45
09/04/2019	5	150	128	47
09/04/2019	6	150	128	50
09/04/2019	7	150	128	45
09/04/2019	8	150	128	52
09/04/2019	9	149	133	62
09/04/2019	10	150	150	68
09/04/2019	11	150	150	71
09/04/2019	12	150	150	70
09/04/2019	13	150	150	70
09/04/2019	14	150	150	72
09/04/2019	15	150	150	71
09/04/2019	16	150	150	69
09/04/2019	17	150	150	68
09/04/2019	18	150	150	70
09/04/2019	19	150	150	70
09/04/2019	20	150	150	69
09/04/2019	21	150	150	64
09/04/2019	22	150	150	58
09/04/2019	23	150	150	54
09/04/2019	24	150	128	50
09/05/2019	1	150	129	48
09/05/2019	2	150	129	48
09/05/2019	3	150	129	45
09/05/2019	4	150	129	45
09/05/2019	5	150	129	48
09/05/2019	6	150	129	50
09/05/2019	7	150	129	46
09/05/2019	8	150	129	53
09/05/2019	9	150	150	63
09/05/2019	10	150	150	67
09/05/2019	11	150	150	71
09/05/2019	12	150	150	71
09/05/2019	13	150	150	72
09/05/2019	14	150	150	73
09/05/2019	15	150	150	71
09/05/2019	16	150	150	69
09/05/2019	17	150	150	68
09/05/2019	18	150	150	70
09/05/2019	19	150	150	71
09/05/2019	20	150	150	67
09/05/2019	21	150	150	63
09/05/2019	22	150	150	58
09/05/2019	23	150	150	54
09/05/2019	24	150	129	50
09/06/2019	1	150	129	50
09/06/2019	2	150	129	48
09/06/2019	3	150	129	47
09/06/2019	4	150	129	47
09/06/2019	5	150	129	49
09/06/2019	6	150	129	51
09/06/2019	7	150	129	47
09/06/2019	8	150	129	53
09/06/2019	9	150	149	63
09/06/2019	10	150	150	68
09/06/2019	11	150	150	71
09/06/2019	12	150	150	70
09/06/2019	13	150	150	72
09/06/2019	14	150	150	73
09/06/2019	15	150	150	72
09/06/2019	16	150	150	70
09/06/2019	17	150	150	68
09/06/2019	18	150	150	70
09/06/2019	19	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/06/2019	20	150	150	68
09/06/2019	21	150	150	66
09/06/2019	22	150	150	61
09/06/2019	23	150	150	56
09/06/2019	24	150	129	52
09/07/2019	1	150	126	51
09/07/2019	2	150	126	49
09/07/2019	3	150	126	47
09/07/2019	4	150	126	46
09/07/2019	5	150	126	47
09/07/2019	6	150	126	48
09/07/2019	7	150	126	47
09/07/2019	8	150	126	51
09/07/2019	9	150	150	57
09/07/2019	10	150	150	63
09/07/2019	11	150	150	66
09/07/2019	12	150	150	65
09/07/2019	13	150	150	66
09/07/2019	14	150	150	69
09/07/2019	15	150	150	67
09/07/2019	16	150	150	65
09/07/2019	17	150	150	63
09/07/2019	18	150	150	66
09/07/2019	19	150	150	68
09/07/2019	20	150	150	66
09/07/2019	21	150	150	62
09/07/2019	22	150	150	58
09/07/2019	23	150		54
09/07/2019	24	150	126	49
09/08/2019	1	150	126	48
09/08/2019	2	150	126	46
09/08/2019	3	150	126	45
09/08/2019	4	150	126	45
09/08/2019	5	150	126	46
09/08/2019	6	150	126	45
09/08/2019	7	150	126	44
09/08/2019	8	150	126	45
09/08/2019	9	150	150	48
09/08/2019	10	150	150	52
09/08/2019	11	150	150	56
09/08/2019	12	150	150	56
09/08/2019	13	150	150	58
09/08/2019	14	150	150	58
09/08/2019	15	150	150	58
09/08/2019	16	150	150	57
09/08/2019	17	150	150	57
09/08/2019	18	150	150	61
09/08/2019	19	150	150	64
09/08/2019	20	150	150	63
09/08/2019	21	150	150	60
09/08/2019	22	150	150	56
09/08/2019	23	150	150	52
09/08/2019	24	150	126	47
09/09/2019	1	126	122	46
09/09/2019	2	126	121	44
09/09/2019	3	126	119	44
09/09/2019	4	126	118	44
09/09/2019	5	126	119	45
09/09/2019	6	126	118	48
09/09/2019	7	126	119	44
09/09/2019	8	126	120	51
09/09/2019	9	150	126	61
09/09/2019	10	150	150	65
09/09/2019	11	150	150	69
09/09/2019	12	150	150	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/09/2019	13	150	150	70
09/09/2019	14	150	150	72
09/09/2019	15	150	150	71
09/09/2019	16	150	150	70
09/09/2019	17	150	150	68
09/09/2019	18	150	150	69
09/09/2019	19	150	150	71
09/09/2019	20	150	150	68
09/09/2019	21	150	150	64
09/09/2019	22	150	126	58
09/09/2019	23	150	127	54
09/09/2019	24	126	123	51
09/10/2019	1	150	96	50
09/10/2019	2	150	95	48
09/10/2019	3	150	95	47
09/10/2019	4	150	95	47
09/10/2019	5	150	96	49
09/10/2019	6	150	96	52
09/10/2019	7	150	96	48
09/10/2019	8	150	101	54
09/10/2019	9	150	150	62
09/10/2019	10	150	150	68
09/10/2019	11	150	150	70
09/10/2019	12	150	150	70
09/10/2019	13	150	150	71
09/10/2019	14	150	150	74
09/10/2019	15	150	150	72
09/10/2019	16	150	150	71
09/10/2019	17	150	150	68
09/10/2019	18	150	150	70
09/10/2019	19	150	150	71
09/10/2019	20	150	150	68
09/10/2019	21	150	150	65
09/10/2019	22	150	150	60
09/10/2019	23	150	150	54
09/10/2019	24	150	107	51
09/11/2019	1	118	118	53
09/11/2019	2	117	117	51
09/11/2019	3	115	115	50
09/11/2019	4	115	115	49
09/11/2019	5	116	116	51
09/11/2019	6	118	118	53
09/11/2019	7	116	116	49
09/11/2019	8	124	124	57
09/11/2019	9	150	150	65
09/11/2019	10	150	150	71
09/11/2019	11	150	150	73
09/11/2019	12	150	150	72
09/11/2019	13	150	150	73
09/11/2019	14	150	150	75
09/11/2019	15	150	150	74
09/11/2019	16	150	150	72
09/11/2019	17	150	150	70
09/11/2019	18	150	150	74
09/11/2019	19	150	150	75
09/11/2019	20	150	150	73
09/11/2019	21	150	150	70
09/11/2019	22	150	140	64
09/11/2019	23	150		59
09/11/2019	24	123	123	53
09/12/2019	1	118	118	54
09/12/2019	2	117	117	52
09/12/2019	3	115	115	50
09/12/2019	4	115	115	50
09/12/2019	5	116	116	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/12/2019	6	117	117	54
09/12/2019	7	115	115	50
09/12/2019	8	122	122	57
09/12/2019	9	147	147	66
09/12/2019	10	150	150	73
09/12/2019	11	150	150	74
09/12/2019	12	150	137	73
09/12/2019	13	150	150	75
09/12/2019	14	150	150	77
09/12/2019	15	150	150	76
09/12/2019	16	150	150	74
09/12/2019	17	150	150	71
09/12/2019	18	150	150	74
09/12/2019	19	150	150	76
09/12/2019	20	150	150	72
09/12/2019	21	150	150	71
09/12/2019	22	150	150	66
09/12/2019	23	150	129	59
09/12/2019	24	122	122	56
09/13/2019	1	128	128	52
09/13/2019	2	126	126	51
09/13/2019	3	124	124	49
09/13/2019	4	124	124	49
09/13/2019	5	126	126	51
09/13/2019	6	129	129	52
09/13/2019	7	126	126	49
09/13/2019	8	133	133	55
09/13/2019	9	147	135	64
09/13/2019	10	148	129	69
09/13/2019	11	150	135	70
09/13/2019	12	150	136	70
09/13/2019	13	150	138	70
09/13/2019	14	150	150	74
09/13/2019	15	150	141	71
09/13/2019	16	150	139	71
09/13/2019	17	150	134	66
09/13/2019	18	150	137	70
09/13/2019	19	150	150	70
09/13/2019	20	150	137	68
09/13/2019	21	150	132	66
09/13/2019	22	150	126	61
09/13/2019	23	150	135	57
09/13/2019	24	135	135	54
09/14/2019	1	119	119	49
09/14/2019	2	118	118	48
09/14/2019	3	116	116	47
09/14/2019	4	116	116	46
09/14/2019	5	115	115	46
09/14/2019	6	116	116	48
09/14/2019	7	117	117	48
09/14/2019	8	121	121	51
09/14/2019	9	119	119	55
09/14/2019	10	150	119	62
09/14/2019	11	150	130	66
09/14/2019	12	150	126	65
09/14/2019	13	150	145	67
09/14/2019	14	150	150	69
09/14/2019	15	150	150	68
09/14/2019	16	150	133	67
09/14/2019	17	150	118	63
09/14/2019	18	150	133	69
09/14/2019	19	150	150	70
09/14/2019	20	150	150	69
09/14/2019	21	150	146	67
09/14/2019	22	150	120	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/14/2019	23	150	130	58
09/14/2019	24	125	125	54
09/15/2019	1	119	119	50
09/15/2019	2	117	117	49
09/15/2019	3	116	116	48
09/15/2019	4	115	115	47
09/15/2019	5	115	115	47
09/15/2019	6	116	116	46
09/15/2019	7	116	116	46
09/15/2019	8	119	119	48
09/15/2019	9	124	119	52
09/15/2019	10	150	110	54
09/15/2019	11	150	115	57
09/15/2019	12	150	116	58
09/15/2019	13	150	116	59
09/15/2019	14	150	117	60
09/15/2019	15	150	115	59
09/15/2019	16	150	116	57
09/15/2019	17	150	126	59
09/15/2019	18	150	126	65
09/15/2019	19	150	144	66
09/15/2019	20	150	147	66
09/15/2019	21	150	141	64
09/15/2019	22	150	123	60
09/15/2019	23	150		54
09/15/2019	24	121	121	51
09/16/2019	1	124	124	49
09/16/2019	2	122	122	47
09/16/2019	3	121	121	46
09/16/2019	4	119	119	46
09/16/2019	5	122	122	48
09/16/2019	6	125	125	51
09/16/2019	7	122	122	48
09/16/2019	8	128	128	53
09/16/2019	9	150	129	64
09/16/2019	10	150	143	69
09/16/2019	11	150	150	72
09/16/2019	12	150	150	71
09/16/2019	13	150	150	70
09/16/2019	14	150	150	73
09/16/2019	15	150	150	72
09/16/2019	16	150	150	71
09/16/2019	17	150	150	70
09/16/2019	18	150	150	72
09/16/2019	19	150	150	73
09/16/2019	20	150	150	72
09/16/2019	21	150	150	69
09/16/2019	22	150	135	63
09/16/2019	23	150	134	58
09/16/2019	24	128	128	52
09/17/2019	1	128	128	49
09/17/2019	2	125	125	48
09/17/2019	3	124	124	46
09/17/2019	4	124	124	46
09/17/2019	5	126	126	48
09/17/2019	6	128	128	50
09/17/2019	7	127	127	47
09/17/2019	8	132	132	51
09/17/2019	9	150	134	60
09/17/2019	10	150	130	66
09/17/2019	11	150	134	69
09/17/2019	12	150	133	69
09/17/2019	13	150	133	69
09/17/2019	14	150	137	72
09/17/2019	15	150	136	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/17/2019	16	150	134	69
09/17/2019	17	150	131	68
09/17/2019	18	150	145	70
09/17/2019	19	150	145	70
09/17/2019	20	150	146	68
09/17/2019	21	150	133	64
09/17/2019	22	150	129	60
09/17/2019	23	150	140	55
09/17/2019	24	132	132	52
09/18/2019	1	122	122	51
09/18/2019	2	121	121	50
09/18/2019	3	119	121	49
09/18/2019	4	119	119	48
09/18/2019	5	122	122	50
09/18/2019	6	124	124	52
09/18/2019	7	121	121	48
09/18/2019	8	126	126	55
09/18/2019	9	150	134	64
09/18/2019	10	150	134	68
09/18/2019	11	150	144	72
09/18/2019	12	150	135	71
09/18/2019	13	150	135	72
09/18/2019	14	150	150	74
09/18/2019	15	150	150	74
09/18/2019	16	150	150	72
09/18/2019	17	150	150	69
09/18/2019	18	150	150	72
09/18/2019	19	150	150	73
09/18/2019	20	150	150	71
09/18/2019	21	150	150	68
09/18/2019	22	150	139	63
09/18/2019	23	150	137	57
09/18/2019	24	130	130	52
09/19/2019	1	123	123	52
09/19/2019	2	121	121	49
09/19/2019	3	120	120	48
09/19/2019	4	120	120	47
09/19/2019	5	121	121	50
09/19/2019	6	124	124	52
09/19/2019	7	121	121	47
09/19/2019	8	128	128	55
09/19/2019	9	150	150	65
09/19/2019	10	150	150	70
09/19/2019	11	150	150	72
09/19/2019	12	150	150	72
09/19/2019	13	150	150	72
09/19/2019	14	150	150	76
09/19/2019	15	150	150	76
09/19/2019	16	150	150	74
09/19/2019	17	150	150	71
09/19/2019	18	150	150	74
09/19/2019	19	150	150	73
09/19/2019	20	150	150	71
09/19/2019	21	150	150	68
09/19/2019	22	150	144	63
09/19/2019	23	150	133	58
09/19/2019	24	128	128	54
09/20/2019	1	121	121	51
09/20/2019	2	120	120	49
09/20/2019	3	118	118	48
09/20/2019	4	118	118	46
09/20/2019	5	120	120	49
09/20/2019	6	122	122	51
09/20/2019	7	119	119	47
09/20/2019	8	122	122	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/20/2019	9	150	146	64
09/20/2019	10	150	150	69
09/20/2019	11	150	150	72
09/20/2019	12	150	150	71
09/20/2019	13	150	150	72
09/20/2019	14	150	150	75
09/20/2019	15	150	150	74
09/20/2019	16	150	150	73
09/20/2019	17	150	150	70
09/20/2019	18	150	150	73
09/20/2019	19	150	150	73
09/20/2019	20	150	150	71
09/20/2019	21	150	150	68
09/20/2019	22	150	139	62
09/20/2019	23	150	122	58
09/20/2019	24	116	116	53
09/21/2019	1	125	125	51
09/21/2019	2	123	123	49
09/21/2019	3	121	121	48
09/21/2019	4	121	121	47
09/21/2019	5	121	121	47
09/21/2019	6	123	123	48
09/21/2019	7	122	122	47
09/21/2019	8	127	127	52
09/21/2019	9	150	124	58
09/21/2019	10	150	129	62
09/21/2019	11	150	141	66
09/21/2019	12	150	138	65
09/21/2019	13	150	145	66
09/21/2019	14	150	150	69
09/21/2019	15	150	150	68
09/21/2019	16	150	150	66
09/21/2019	17	150	147	63
09/21/2019	18	150	150	70
09/21/2019	19	150	150	71
09/21/2019	20	150	150	69
09/21/2019	21	150	150	67
09/21/2019	22	150	142	63
09/21/2019	23	150	134	58
09/21/2019	24	128	128	54
09/22/2019	1	120	120	50
09/22/2019	2	120	120	49
09/22/2019	3	118	118	48
09/22/2019	4	118	118	46
09/22/2019	5	118	118	47
09/22/2019	6	118	118	47
09/22/2019	7	120	120	46
09/22/2019	8	121	121	47
09/22/2019	9	150	125	52
09/22/2019	10	150	127	54
09/22/2019	11	150	130	57
09/22/2019	12	150	133	58
09/22/2019	13	150	134	60
09/22/2019	14	150	135	60
09/22/2019	15	150	135	60
09/22/2019	16	150	133	57
09/22/2019	17	150	133	59
09/22/2019	18	150	150	66
09/22/2019	19	150	150	68
09/22/2019	20	150	150	66
09/22/2019	21	150	150	65
09/22/2019	22	150	145	60
09/22/2019	23	150		54
09/22/2019	24	125	125	52
09/23/2019	1	126	126	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/23/2019	2	122	122	47
09/23/2019	3	121	121	46
09/23/2019	4	122	122	45
09/23/2019	5	124	124	47
09/23/2019	6	126	126	49
09/23/2019	7	124	124	47
09/23/2019	8	130	130	54
09/23/2019	9	150	150	64
09/23/2019	10	150	150	69
09/23/2019	11	150	150	72
09/23/2019	12	150	150	71
09/23/2019	13	150	150	72
09/23/2019	14	150	150	74
09/23/2019	15	150	150	73
09/23/2019	16	150	150	73
09/23/2019	17	150	150	70
09/23/2019	18	150	150	74
09/23/2019	19	150	150	73
09/23/2019	20	150	150	71
09/23/2019	21	150	150	67
09/23/2019	22	150	150	63
09/23/2019	23	150	139	57
09/23/2019	24	132	132	52
09/24/2019	1	132	132	51
09/24/2019	2	120	120	49
09/24/2019	3	120	120	48
09/24/2019	4	120	120	47
09/24/2019	5	123	123	49
09/24/2019	6	136	136	52
09/24/2019	7	122	122	47
09/24/2019	8	148	148	56
09/24/2019	9	150	150	64
09/24/2019	10	150	150	70
09/24/2019	11	150	150	72
09/24/2019	12	150	150	72
09/24/2019	13	150	150	73
09/24/2019	14	150	150	76
09/24/2019	15	150	150	75
09/24/2019	16	150	150	73
09/24/2019	17	150	150	70
09/24/2019	18	150	150	73
09/24/2019	19	150	150	74
09/24/2019	20	150	150	72
09/24/2019	21	150	150	68
09/24/2019	22	150	150	63
09/24/2019	23	150	144	58
09/24/2019	24	136	135	54
09/25/2019	1	128	128	50
09/25/2019	2	121	121	49
09/25/2019	3	120	120	47
09/25/2019	4	121	121	46
09/25/2019	5	123	123	49
09/25/2019	6	132	131	51
09/25/2019	7	122	122	47
09/25/2019	8	138	137	54
09/25/2019	9	150	150	64
09/25/2019	10	150	150	70
09/25/2019	11	150	150	73
09/25/2019	12	150	150	72
09/25/2019	13	150	150	73
09/25/2019	14	150	150	76
09/25/2019	15	150	150	75
09/25/2019	16	150	150	73
09/25/2019	17	150	150	70
09/25/2019	18	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/25/2019	19	150	150	73
09/25/2019	20	150	150	71
09/25/2019	21	150	150	69
09/25/2019	22	150	150	63
09/25/2019	23	150		57
09/25/2019	24	136	136	54
09/26/2019	1	134	133	51
09/26/2019	2	123	123	50
09/26/2019	3	123	123	48
09/26/2019	4	123	123	47
09/26/2019	5	125	125	49
09/26/2019	6	128	128	51
09/26/2019	7	125	125	47
09/26/2019	8	139	139	54
09/26/2019	9	150	150	66
09/26/2019	10	150	150	70
09/26/2019	11	150	150	73
09/26/2019	12	150	150	73
09/26/2019	13	150	150	74
09/26/2019	14	150	150	77
09/26/2019	15	150	150	76
09/26/2019	16	150	150	75
09/26/2019	17	150	150	71
09/26/2019	18	150	150	75
09/26/2019	19	150	150	74
09/26/2019	20	150	150	72
09/26/2019	21	150	150	69
09/26/2019	22	150	150	64
09/26/2019	23	150	139	58
09/26/2019	24	132	132	54
09/27/2019	1	135	135	52
09/27/2019	2	135	135	50
09/27/2019	3	130	130	48
09/27/2019	4	121	121	48
09/27/2019	5	134	134	51
09/27/2019	6	128	125	51
09/27/2019	7	124	124	47
09/27/2019	8	150	150	56
09/27/2019	9	150	150	65
09/27/2019	10	150	150	71
09/27/2019	11	150	150	74
09/27/2019	12	150	150	73
09/27/2019	13	150	150	75
09/27/2019	14	150	150	77
09/27/2019	15	150	150	76
09/27/2019	16	150	150	75
09/27/2019	17	150	150	72
09/27/2019	18	150	150	76
09/27/2019	19	150	150	75
09/27/2019	20	150	150	72
09/27/2019	21	150	150	70
09/27/2019	22	150	150	65
09/27/2019	23	150	150	59
09/27/2019	24	150	150	55
09/28/2019	1	150	150	53
09/28/2019	2	150	150	51
09/28/2019	3	137	136	49
09/28/2019	4	136	136	49
09/28/2019	5	141	141	49
09/28/2019	6	144	144	49
09/28/2019	7	126	126	48
09/28/2019	8	150	149	53
09/28/2019	9	150	150	58
09/28/2019	10	150	150	63
09/28/2019	11	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/28/2019	12	150	150	67
09/28/2019	13	150	150	68
09/28/2019	14	150	150	70
09/28/2019	15	150	150	69
09/28/2019	16	150	150	67
09/28/2019	17	150	150	65
09/28/2019	18	150	150	73
09/28/2019	19	150	150	72
09/28/2019	20	150	150	70
09/28/2019	21	150	150	68
09/28/2019	22	150	150	63
09/28/2019	23	150	150	59
09/28/2019	24	150	150	55
09/29/2019	1	137	137	52
09/29/2019	2	130	130	50
09/29/2019	3	123	123	48
09/29/2019	4	138	138	47
09/29/2019	5	142	142	47
09/29/2019	6	129	129	48
09/29/2019	7	125	125	47
09/29/2019	8	144	144	50
09/29/2019	9	150	150	56
09/29/2019	10	150	150	58
09/29/2019	11	150	150	62
09/29/2019	12	150	150	62
09/29/2019	13	150	150	63
09/29/2019	14	150	150	64
09/29/2019	15	150	150	63
09/29/2019	16	150	150	62
09/29/2019	17	150	150	61
09/29/2019	18	150	150	68
09/29/2019	19	150	150	68
09/29/2019	20	150	150	67
09/29/2019	21	150	150	65
09/29/2019	22	150	150	60
09/29/2019	23	150		56
09/29/2019	24	150	150	53
09/30/2019	1	140	140	50
09/30/2019	2	135	135	48
09/30/2019	3	135	135	48
09/30/2019	4	130	130	47
09/30/2019	5	135	135	50
09/30/2019	6	135	135	51
09/30/2019	7	124	124	48
09/30/2019	8	130	130	54
09/30/2019	9	150	150	65
09/30/2019	10	150	150	71
09/30/2019	11	150	150	75
09/30/2019	12	150	150	75
09/30/2019	13	150	150	75
09/30/2019	14	150	150	76
09/30/2019	15	150	150	76
09/30/2019	16	150	150	74
09/30/2019	17	150	150	70
09/30/2019	18	150	150	75
09/30/2019	19	150	150	73
09/30/2019	20	150	150	72
09/30/2019	21	150	150	69
09/30/2019	22	145	145	63
09/30/2019	23	145	145	59
09/30/2019	24	140	140	55
10/01/2019	1	134	134	52
10/01/2019	2	130	130	50
10/01/2019	3	125	125	49
10/01/2019	4	130	127	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/01/2019	5	125	125	50
10/01/2019	6	125	125	51
10/01/2019	7	122	122	48
10/01/2019	8	150	143	54
10/01/2019	9	150	150	66
10/01/2019	10	150	150	71
10/01/2019	11	150	150	73
10/01/2019	12	150	150	73
10/01/2019	13	150	150	74
10/01/2019	14	150	150	76
10/01/2019	15	150	150	75
10/01/2019	16	150	150	74
10/01/2019	17	150	150	71
10/01/2019	18	150	150	75
10/01/2019	19	150	150	75
10/01/2019	20	150	150	73
10/01/2019	21	150	150	70
10/01/2019	22	150	150	65
10/01/2019	23	150	150	60
10/01/2019	24	150	150	56
10/02/2019	1	132	132	52
10/02/2019	2	127	127	50
10/02/2019	3	124	124	49
10/02/2019	4	123	123	47
10/02/2019	5	126	126	50
10/02/2019	6	130	130	51
10/02/2019	7	125	125	47
10/02/2019	8	140	140	55
10/02/2019	9	150	150	65
10/02/2019	10	150	150	70
10/02/2019	11	150	150	74
10/02/2019	12	150	150	72
10/02/2019	13	150	150	74
10/02/2019	14	150	150	77
10/02/2019	15	150	150	75
10/02/2019	16	150	150	74
10/02/2019	17	150	150	70
10/02/2019	18	150	150	75
10/02/2019	19	150	150	73
10/02/2019	20	150	150	71
10/02/2019	21	150	150	69
10/02/2019	22	150	150	63
10/02/2019	23	140		57
10/02/2019	24	137	137	54
10/03/2019	1	123	123	52
10/03/2019	2	121	121	50
10/03/2019	3	120	120	49
10/03/2019	4	120	120	48
10/03/2019	5	122	122	51
10/03/2019	6	124	124	52
10/03/2019	7	123	123	48
10/03/2019	8	150	150	56
10/03/2019	9	150	150	66
10/03/2019	10	150	150	70
10/03/2019	11	150	150	74
10/03/2019	12	150	150	74
10/03/2019	13	150	150	74
10/03/2019	14	150	150	78
10/03/2019	15	150	150	76
10/03/2019	16	150	150	73
10/03/2019	17	150	150	70
10/03/2019	18	150	150	75
10/03/2019	19	150	150	73
10/03/2019	20	150	150	70
10/03/2019	21	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/03/2019	22	150	150	62
10/03/2019	23	140	140	57
10/03/2019	24	135	135	53
10/04/2019	1	132	132	51
10/04/2019	2	123	123	49
10/04/2019	3	122	122	48
10/04/2019	4	122	122	46
10/04/2019	5	123	123	49
10/04/2019	6	133	133	51
10/04/2019	7	122	122	47
10/04/2019	8	137	137	54
10/04/2019	9	150	150	65
10/04/2019	10	150	150	70
10/04/2019	11	150	150	74
10/04/2019	12	150	150	73
10/04/2019	13	150	150	74
10/04/2019	14	150	150	76
10/04/2019	15	150	150	75
10/04/2019	16	150	150	73
10/04/2019	17	150	150	70
10/04/2019	18	150	150	75
10/04/2019	19	150	150	73
10/04/2019	20	150	150	71
10/04/2019	21	150	150	67
10/04/2019	22	150	150	61
10/04/2019	23	150	150	57
10/04/2019	24	135	135	53
10/05/2019	1	130	130	52
10/05/2019	2	128	128	50
10/05/2019	3	125	125	49
10/05/2019	4	125	125	48
10/05/2019	5	127	127	49
10/05/2019	6	130	130	50
10/05/2019	7	126	126	48
10/05/2019	8	136	136	51
10/05/2019	9	150	150	58
10/05/2019	10	150	150	63
10/05/2019	11	150	150	67
10/05/2019	12	150	150	67
10/05/2019	13	150	150	68
10/05/2019	14	150	150	71
10/05/2019	15	150	150	69
10/05/2019	16	150	150	67
10/05/2019	17	150	150	65
10/05/2019	18	150	150	70
10/05/2019	19	150	150	70
10/05/2019	20	150	150	69
10/05/2019	21	150	150	66
10/05/2019	22	150	150	62
10/05/2019	23	150	150	58
10/05/2019	24	137	137	54
10/06/2019	1	135	135	50
10/06/2019	2	134	134	50
10/06/2019	3	125	125	48
10/06/2019	4	125	125	47
10/06/2019	5	127	127	47
10/06/2019	6	130	130	47
10/06/2019	7	126	126	47
10/06/2019	8	136	136	49
10/06/2019	9	140	140	55
10/06/2019	10	142	142	58
10/06/2019	11	147	147	62
10/06/2019	12	147	147	62
10/06/2019	13	150	150	63
10/06/2019	14	150	150	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/06/2019	15	150	150	63
10/06/2019	16	147	146	61
10/06/2019	17	144	144	61
10/06/2019	18	150	150	67
10/06/2019	19	150	150	68
10/06/2019	20	150	150	67
10/06/2019	21	150	150	65
10/06/2019	22	141	140	60
10/06/2019	23	145	148	55
10/06/2019	24	137	137	52
10/07/2019	1	129	129	50
10/07/2019	2	126	126	48
10/07/2019	3	123	123	46
10/07/2019	4	123	123	46
10/07/2019	5	126	126	49
10/07/2019	6	129	129	51
10/07/2019	7	124	124	48
10/07/2019	8	134	134	53
10/07/2019	9	141	141	64
10/07/2019	10	150	150	70
10/07/2019	11	150	150	74
10/07/2019	12	150	150	73
10/07/2019	13	150	150	74
10/07/2019	14	150	150	76
10/07/2019	15	150	150	75
10/07/2019	16	150	150	73
10/07/2019	17	150	150	70
10/07/2019	18	150	150	74
10/07/2019	19	150	150	73
10/07/2019	20	150	150	72
10/07/2019	21	150	150	69
10/07/2019	22	145	145	63
10/07/2019	23	144	144	57
10/07/2019	24	135	135	54
10/08/2019	1	132	132	49
10/08/2019	2	128	128	48
10/08/2019	3	125	125	46
10/08/2019	4	124	124	46
10/08/2019	5	126	126	49
10/08/2019	6	132	132	51
10/08/2019	7	129	129	47
10/08/2019	8	138	138	54
10/08/2019	9	150	150	64
10/08/2019	10	150	150	70
10/08/2019	11	150	150	74
10/08/2019	12	150	150	73
10/08/2019	13	150	150	74
10/08/2019	14	150	150	77
10/08/2019	15	150	150	75
10/08/2019	16	150	150	74
10/08/2019	17	150	150	71
10/08/2019	18	150	150	75
10/08/2019	19	150	150	74
10/08/2019	20	150	150	71
10/08/2019	21	150	150	68
10/08/2019	22	150	150	62
10/08/2019	23	150	150	56
10/08/2019	24	150	150	53
10/09/2019	1	132	132	51
10/09/2019	2	128	128	49
10/09/2019	3	125	128	48
10/09/2019	4	124	124	47
10/09/2019	5	126	126	50
10/09/2019	6	132	132	50
10/09/2019	7	129	129	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/09/2019	8	138	138	54
10/09/2019	9	140	140	65
10/09/2019	10	150	150	71
10/09/2019	11	150	150	75
10/09/2019	12	150	150	74
10/09/2019	13	150	150	75
10/09/2019	14	150	150	77
10/09/2019	15	150	150	75
10/09/2019	16	150	150	74
10/09/2019	17	150	150	73
10/09/2019	18	150	150	76
10/09/2019	19	150	150	74
10/09/2019	20	150	150	72
10/09/2019	21	150	150	70
10/09/2019	22	150	150	65
10/09/2019	23	148	148	59
10/09/2019	24	139	139	54
10/10/2019	1	129	129	51
10/10/2019	2	127	127	49
10/10/2019	3	122	122	48
10/10/2019	4	121	121	48
10/10/2019	5	125	125	50
10/10/2019	6	131	131	53
10/10/2019	7	125	125	49
10/10/2019	8	135	135	57
10/10/2019	9	150	150	68
10/10/2019	10	150	150	73
10/10/2019	11	150	150	77
10/10/2019	12	150	150	76
10/10/2019	13	150	150	75
10/10/2019	14	150	150	77
10/10/2019	15	150	150	76
10/10/2019	16	150	150	75
10/10/2019	17	150	150	72
10/10/2019	18	150	150	76
10/10/2019	19	150	150	74
10/10/2019	20	150	150	72
10/10/2019	21	150	150	68
10/10/2019	22	136	136	63
10/10/2019	23	145	145	58
10/10/2019	24	139	139	54
10/11/2019	1	132	132	52
10/11/2019	2	129	129	50
10/11/2019	3	124	124	48
10/11/2019	4	123	123	47
10/11/2019	5	126	126	50
10/11/2019	6	134	134	51
10/11/2019	7	128	128	48
10/11/2019	8	138	138	56
10/11/2019	9	142	142	66
10/11/2019	10	142	142	71
10/11/2019	11	145	145	74
10/11/2019	12	146	146	75
10/11/2019	13	150	150	75
10/11/2019	14	149	149	77
10/11/2019	15	150	150	76
10/11/2019	16	150	150	75
10/11/2019	17	148	148	71
10/11/2019	18	150	150	75
10/11/2019	19	150	150	72
10/11/2019	20	149	149	69
10/11/2019	21	149	149	66
10/11/2019	22	144	144	63
10/11/2019	23	148	148	58
10/11/2019	24	141	141	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/12/2019	1	132	132	51
10/12/2019	2	131	131	49
10/12/2019	3	130	130	48
10/12/2019	4	129	129	48
10/12/2019	5	130	130	48
10/12/2019	6	131	131	49
10/12/2019	7	132	132	48
10/12/2019	8	136	136	52
10/12/2019	9	140	140	59
10/12/2019	10	134	134	63
10/12/2019	11	136	136	68
10/12/2019	12	134	132	68
10/12/2019	13	135	134	69
10/12/2019	14	141	136	71
10/12/2019	15	141	137	70
10/12/2019	16	137	134	68
10/12/2019	17	137	133	66
10/12/2019	18	140	140	71
10/12/2019	19	134	134	70
10/12/2019	20	138	138	68
10/12/2019	21	137	136	65
10/12/2019	22	140	131	60
10/12/2019	23	142	142	56
10/12/2019	24	137	137	52
10/13/2019	1	133	133	50
10/13/2019	2	132	132	48
10/13/2019	3	130	130	46
10/13/2019	4	129	129	45
10/13/2019	5	129	129	46
10/13/2019	6	129	129	46
10/13/2019	7	129	129	45
10/13/2019	8	132	132	48
10/13/2019	9	136	136	51
10/13/2019	10	139	139	56
10/13/2019	11	143	143	60
10/13/2019	12	144	144	61
10/13/2019	13	144	144	62
10/13/2019	14	144	144	63
10/13/2019	15	144	144	61
10/13/2019	16	144	144	57
10/13/2019	17	137	137	55
10/13/2019	18	150	150	66
10/13/2019	19	140	134	65
10/13/2019	20	137	137	64
10/13/2019	21	136	136	63
10/13/2019	22	142	142	58
10/13/2019	23	135		55
10/13/2019	24	130	130	51
10/14/2019	1	132	132	48
10/14/2019	2	130	130	47
10/14/2019	3	128	128	45
10/14/2019	4	128	128	44
10/14/2019	5	130	130	46
10/14/2019	6	133	133	47
10/14/2019	7	130	130	44
10/14/2019	8	136	136	52
10/14/2019	9	139	139	63
10/14/2019	10	150	150	71
10/14/2019	11	150	150	73
10/14/2019	12	150	150	74
10/14/2019	13	150	150	75
10/14/2019	14	150	150	75
10/14/2019	15	150	150	74
10/14/2019	16	150	150	73
10/14/2019	17	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/14/2019	18	150	150	75
10/14/2019	19	150	150	73
10/14/2019	20	150	150	72
10/14/2019	21	147	147	70
10/14/2019	22	143	143	63
10/14/2019	23	140	140	58
10/14/2019	24	135	135	55
10/15/2019	1	128	128	50
10/15/2019	2	120	120	49
10/15/2019	3	107	107	48
10/15/2019	4	109	109	48
10/15/2019	5	114	114	50
10/15/2019	6	122	122	52
10/15/2019	7	118	118	48
10/15/2019	8	125	125	56
10/15/2019	9	146	146	67
10/15/2019	10	150	150	73
10/15/2019	11	150	150	76
10/15/2019	12	150	150	75
10/15/2019	13	150	150	75
10/15/2019	14	150	150	77
10/15/2019	15	150	150	76
10/15/2019	16	150	150	74
10/15/2019	17	150	150	70
10/15/2019	18	150	150	75
10/15/2019	19	150	150	72
10/15/2019	20	150	150	70
10/15/2019	21	150	150	68
10/15/2019	22	143	143	62
10/15/2019	23	142	142	58
10/15/2019	24	135	135	55
10/16/2019	1	126	126	50
10/16/2019	2	125	125	49
10/16/2019	3	123	123	47
10/16/2019	4	123	123	47
10/16/2019	5	125	125	48
10/16/2019	6	128	128	51
10/16/2019	7	125	125	46
10/16/2019	8	131	131	54
10/16/2019	9	150	140	65
10/16/2019	10	150	150	71
10/16/2019	11	150	150	74
10/16/2019	12	150	150	74
10/16/2019	13	150	150	75
10/16/2019	14	150	150	77
10/16/2019	15	150	150	76
10/16/2019	16	150	150	74
10/16/2019	17	150	150	71
10/16/2019	18	150	150	75
10/16/2019	19	150	150	71
10/16/2019	20	150	150	69
10/16/2019	21	150	150	67
10/16/2019	22	141	132	60
10/16/2019	23	141	141	56
10/16/2019	24	134	134	52
10/17/2019	1	122	122	49
10/17/2019	2	121	121	48
10/17/2019	3	119	119	48
10/17/2019	4	118	118	47
10/17/2019	5	120	120	50
10/17/2019	6	124	124	50
10/17/2019	7	121	121	48
10/17/2019	8	128	128	54
10/17/2019	9	150	142	65
10/17/2019	10	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/17/2019	11	150	150	73
10/17/2019	12	150	150	72
10/17/2019	13	150	150	73
10/17/2019	14	150	150	76
10/17/2019	15	150	150	75
10/17/2019	16	150	150	73
10/17/2019	17	150	150	71
10/17/2019	18	150	150	76
10/17/2019	19	150	150	73
10/17/2019	20	150	150	68
10/17/2019	21	150	137	64
10/17/2019	22	149	132	61
10/17/2019	23	149	142	56
10/17/2019	24	125	125	53
10/18/2019	1	132	132	50
10/18/2019	2	127	127	49
10/18/2019	3	124	124	47
10/18/2019	4	123	123	47
10/18/2019	5	125	125	49
10/18/2019	6	133	133	51
10/18/2019	7	128	128	48
10/18/2019	8	138	138	55
10/18/2019	9	149	146	65
10/18/2019	10	150	150	71
10/18/2019	11	150	150	74
10/18/2019	12	150	150	72
10/18/2019	13	150	150	73
10/18/2019	14	150	150	74
10/18/2019	15	150	150	74
10/18/2019	16	150	150	73
10/18/2019	17	150	150	70
10/18/2019	18	150	150	74
10/18/2019	19	150	150	72
10/18/2019	20	149	145	67
10/18/2019	21	149	141	63
10/18/2019	22	148	136	58
10/18/2019	23	147	141	55
10/18/2019	24	134	134	51
10/19/2019	1	131	131	49
10/19/2019	2	128	128	48
10/19/2019	3	126	126	47
10/19/2019	4	124	124	46
10/19/2019	5	127	127	47
10/19/2019	6	133	133	48
10/19/2019	7	127	127	46
10/19/2019	8	136	136	51
10/19/2019	9	148	139	61
10/19/2019	10	149	142	63
10/19/2019	11	150	144	67
10/19/2019	12	150	144	67
10/19/2019	13	150	145	68
10/19/2019	14	150	148	68
10/19/2019	15	150	149	68
10/19/2019	16	150	147	67
10/19/2019	17	150	142	65
10/19/2019	18	149	149	69
10/19/2019	19	150	150	67
10/19/2019	20	149	145	65
10/19/2019	21	148	142	63
10/19/2019	22	147	136	59
10/19/2019	23	146	142	55
10/19/2019	24	135	135	51
10/20/2019	1	133	133	49
10/20/2019	2	132	132	48
10/20/2019	3	130	132	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/20/2019	4	129	129	46
10/20/2019	5	129	129	46
10/20/2019	6	129	129	46
10/20/2019	7	129	129	46
10/20/2019	8	132	132	47
10/20/2019	9	148	136	52
10/20/2019	10	149	139	56
10/20/2019	11	150	143	59
10/20/2019	12	150	144	60
10/20/2019	13	150	144	60
10/20/2019	14	150	144	61
10/20/2019	15	150	150	59
10/20/2019	16	150	144	57
10/20/2019	17	150	137	59
10/20/2019	18	149	135	66
10/20/2019	19	149	134	65
10/20/2019	20	149	137	62
10/20/2019	21	148	136	59
10/20/2019	22	147	142	56
10/20/2019	23	146	135	52
10/20/2019	24	130	130	48
10/21/2019	1	132	132	48
10/21/2019	2	130	130	46
10/21/2019	3	128	128	44
10/21/2019	4	128	128	43
10/21/2019	5	130	130	46
10/21/2019	6	133	133	48
10/21/2019	7	130	130	44
10/21/2019	8	136	136	52
10/21/2019	9	148	124	62
10/21/2019	10	150	150	69
10/21/2019	11	150	150	73
10/21/2019	12	150	150	72
10/21/2019	13	150	150	73
10/21/2019	14	150	150	76
10/21/2019	15	150	150	75
10/21/2019	16	150	150	72
10/21/2019	17	150	150	70
10/21/2019	18	150	150	74
10/21/2019	19	150	150	72
10/21/2019	20	150	150	69
10/21/2019	21	148	147	66
10/21/2019	22	147	133	61
10/21/2019	23	146	140	57
10/21/2019	24	135	135	53
10/22/2019	1	131	131	51
10/22/2019	2	127	127	49
10/22/2019	3	125	125	48
10/22/2019	4	124	124	48
10/22/2019	5	126	126	50
10/22/2019	6	132	132	53
10/22/2019	7	125	125	49
10/22/2019	8	137	137	56
10/22/2019	9	150	150	68
10/22/2019	10	150	150	74
10/22/2019	11	150	150	78
10/22/2019	12	150	150	76
10/22/2019	13	150	150	76
10/22/2019	14	150	150	79
10/22/2019	15	150	150	77
10/22/2019	16	150	150	75
10/22/2019	17	150	150	72
10/22/2019	18	150	150	77
10/22/2019	19	150	150	74
10/22/2019	20	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/22/2019	21	150	150	68
10/22/2019	22	150	136	62
10/22/2019	23	147	142	58
10/22/2019	24	136	136	55
10/23/2019	1	131	131	52
10/23/2019	2	126	126	50
10/23/2019	3	124	124	48
10/23/2019	4	125	125	48
10/23/2019	5	126	126	50
10/23/2019	6	133	133	52
10/23/2019	7	128	128	48
10/23/2019	8	139	139	57
10/23/2019	9	150	150	67
10/23/2019	10	150	150	73
10/23/2019	11	150	150	77
10/23/2019	12	150	150	75
10/23/2019	13	150	150	77
10/23/2019	14	150	150	80
10/23/2019	15	150	150	78
10/23/2019	16	150	150	77
10/23/2019	17	150	150	74
10/23/2019	18	150	150	78
10/23/2019	19	150	150	76
10/23/2019	20	150	150	73
10/23/2019	21	150	150	70
10/23/2019	22	150	150	65
10/23/2019	23	147	145	60
10/23/2019	24	137	137	55
10/24/2019	1	131	131	54
10/24/2019	2	129	129	52
10/24/2019	3	125	125	50
10/24/2019	4	125	125	49
10/24/2019	5	127	127	51
10/24/2019	6	132	132	53
10/24/2019	7	128	128	51
10/24/2019	8	136	136	61
10/24/2019	9	150	150	70
10/24/2019	10	150	150	74
10/24/2019	11	150	150	78
10/24/2019	12	150	150	77
10/24/2019	13	150	150	76
10/24/2019	14	150	150	80
10/24/2019	15	150	150	78
10/24/2019	16	150	150	76
10/24/2019	17	150	150	73
10/24/2019	18	150	150	77
10/24/2019	19	150	150	75
10/24/2019	20	150	150	73
10/24/2019	21	150	150	69
10/24/2019	22	138	138	64
10/24/2019	23	144	144	59
10/24/2019	24	138	138	56
10/25/2019	1	126	126	52
10/25/2019	2	125	125	50
10/25/2019	3	123	123	49
10/25/2019	4	123	123	48
10/25/2019	5	125	125	50
10/25/2019	6	129	129	51
10/25/2019	7	126	126	49
10/25/2019	8	150	150	58
10/25/2019	9	150	150	68
10/25/2019	10	150	150	74
10/25/2019	11	150	150	77
10/25/2019	12	150	150	75
10/25/2019	13	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/25/2019	14	150	150	78
10/25/2019	15	150	150	76
10/25/2019	16	150	150	75
10/25/2019	17	150	150	72
10/25/2019	18	150	150	76
10/25/2019	19	150	150	74
10/25/2019	20	150	150	72
10/25/2019	21	150	150	68
10/25/2019	22	150	150	63
10/25/2019	23	147	137	59
10/25/2019	24	132	132	55
10/26/2019	1	131	131	51
10/26/2019	2	129	129	49
10/26/2019	3	127	127	48
10/26/2019	4	126	126	47
10/26/2019	5	127	127	48
10/26/2019	6	128	128	48
10/26/2019	7	124	124	48
10/26/2019	8	129	129	53
10/26/2019	9	141	134	61
10/26/2019	10	142	138	65
10/26/2019	11	150	143	69
10/26/2019	12	150	143	68
10/26/2019	13	150	143	70
10/26/2019	14	150	149	71
10/26/2019	15	150	150	71
10/26/2019	16	150	145	68
10/26/2019	17	150	150	66
10/26/2019	18	150	150	72
10/26/2019	19	150	150	70
10/26/2019	20	150	150	68
10/26/2019	21	146	146	66
10/26/2019	22	140	140	63
10/26/2019	23	141		58
10/26/2019	24	132	132	54
10/27/2019	1	127	127	50
10/27/2019	2	125	125	48
10/27/2019	3	123	123	47
10/27/2019	4	121	121	46
10/27/2019	5	121	121	47
10/27/2019	6	121	121	47
10/27/2019	7	121	121	46
10/27/2019	8	123	123	48
10/27/2019	9	132	127	53
10/27/2019	10	135	135	58
10/27/2019	11	138	138	60
10/27/2019	12	139	139	60
10/27/2019	13	140	140	61
10/27/2019	14	140	140	63
10/27/2019	15	140	140	62
10/27/2019	16	139	139	59
10/27/2019	17	138	138	58
10/27/2019	18	150	150	65
10/27/2019	19	150	150	64
10/27/2019	20	150	150	63
10/27/2019	21	142	142	61
10/27/2019	22	138	138	58
10/27/2019	23	135	135	53
10/27/2019	24	127	127	50
10/28/2019	1	127	127	47
10/28/2019	2	125	125	45
10/28/2019	3	123	123	43
10/28/2019	4	121	121	43
10/28/2019	5	121	121	45
10/28/2019	6	121	121	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/28/2019	7	121	121	47
10/28/2019	8	149	149	57
10/28/2019	9	150	148	67
10/28/2019	10	150	150	72
10/28/2019	11	150	150	75
10/28/2019	12	150	150	75
10/28/2019	13	150	150	75
10/28/2019	14	150	150	76
10/28/2019	15	150	150	74
10/28/2019	16	150	150	73
10/28/2019	17	150	150	72
10/28/2019	18	150	150	75
10/28/2019	19	150	150	73
10/28/2019	20	150	150	71
10/28/2019	21	150	150	68
10/28/2019	22	150	150	63
10/28/2019	23	135	135	59
10/28/2019	24	127	127	55
10/29/2019	1	131	131	50
10/29/2019	2	124	124	49
10/29/2019	3	121	124	47
10/29/2019	4	122	122	47
10/29/2019	5	121	121	49
10/29/2019	6	127	127	51
10/29/2019	7	122	122	49
10/29/2019	8	139	138	56
10/29/2019	9	150	150	67
10/29/2019	10	150	150	72
10/29/2019	11	150	150	75
10/29/2019	12	150	150	74
10/29/2019	13	150	150	75
10/29/2019	14	150	150	77
10/29/2019	15	150	150	76
10/29/2019	16	150	150	75
10/29/2019	17	150	150	71
10/29/2019	18	150	150	75
10/29/2019	19	150	150	72
10/29/2019	20	150	150	70
10/29/2019	21	150	150	67
10/29/2019	22	150	150	62
10/29/2019	23	147	147	58
10/29/2019	24	142	142	54
10/30/2019	1	128	128	49
10/30/2019	2	127	127	48
10/30/2019	3	125	125	48
10/30/2019	4	125	125	48
10/30/2019	5	126	126	48
10/30/2019	6	129	129	49
10/30/2019	7	127	127	48
10/30/2019	8	132	132	56
10/30/2019	9	150	150	65
10/30/2019	10	150	150	70
10/30/2019	11	150	150	73
10/30/2019	12	150	150	72
10/30/2019	13	150	150	72
10/30/2019	14	150	150	75
10/30/2019	15	150	150	74
10/30/2019	16	150	150	73
10/30/2019	17	150	150	71
10/30/2019	18	150	150	74
10/30/2019	19	150	150	72
10/30/2019	20	150	150	69
10/30/2019	21	150	150	66
10/30/2019	22	150	150	60
10/30/2019	23	150	150	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/30/2019	24	132	132	53
10/31/2019	1	128	128	48
10/31/2019	2	126	126	46
10/31/2019	3	125	125	45
10/31/2019	4	124	124	45
10/31/2019	5	125	125	47
10/31/2019	6	128	128	49
10/31/2019	7	126	126	47
10/31/2019	8	131	131	53
10/31/2019	9	150	150	66
10/31/2019	10	150	150	69
10/31/2019	11	150	150	72
10/31/2019	12	150	150	69
10/31/2019	13	150	150	70
10/31/2019	14	150	150	73
10/31/2019	15	150	150	73
10/31/2019	16	150	150	70
10/31/2019	17	150	150	68
10/31/2019	18	150	150	71
10/31/2019	19	150	150	68
10/31/2019	20	150	150	66
10/31/2019	21	150	150	63
10/31/2019	22	150	150	60
10/31/2019	23	142	138	55
10/31/2019	24	132	132	52
11/01/2019	1	129	129	47
11/01/2019	2	127	127	46
11/01/2019	3	122	122	45
11/01/2019	4	122	122	44
11/01/2019	5	126	126	45
11/01/2019	6	130	130	45
11/01/2019	7	126	126	45
11/01/2019	8	134	134	48
11/01/2019	9	136	136	53
11/01/2019	10	140	140	55
11/01/2019	11	145	145	57
11/01/2019	12	144	140	58
11/01/2019	13	144	140	57
11/01/2019	14	144	135	59
11/01/2019	15	144	135	57
11/01/2019	16	144	143	55
11/01/2019	17	147	147	56
11/01/2019	18	150	150	64
11/01/2019	19	150	150	62
11/01/2019	20	150	150	60
11/01/2019	21	145	145	57
11/01/2019	22	145	145	54
11/01/2019	23	144	142	51
11/01/2019	24	136	136	50
11/02/2019	1	129	129	44
11/02/2019	2	127	127	44
11/02/2019	3	122	122	42
11/02/2019	4	122	122	42
11/02/2019	5	126	126	43
11/02/2019	6	130	130	44
11/02/2019	7	126	126	44
11/02/2019	8	134	134	46
11/02/2019	9	141	136	51
11/02/2019	10	150	150	56
11/02/2019	11	150	150	58
11/02/2019	12	150	149	57
11/02/2019	13	146	145	59
11/02/2019	14	150	150	60
11/02/2019	15	150	150	59
11/02/2019	16	150	150	58

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/02/2019	17	150	150	58
11/02/2019	18	150	150	67
11/02/2019	19	150	150	65
11/02/2019	20	150	150	62
11/02/2019	21	150	150	59
11/02/2019	22	150	150	56
11/02/2019	23	150		52
11/02/2019	24	150	150	50
11/03/2019	1	129	129	46
11/03/2019	2	127	127	45
11/03/2019	3	122	122	44
11/03/2019	4	122	122	44
11/03/2019	5	126	126	45
11/03/2019	6	130	130	45
11/03/2019	7	126	126	45
11/03/2019	8	134	134	48
11/03/2019	9	141	136	51
11/03/2019	10	142	140	56
11/03/2019	11	145	145	59
11/03/2019	12	142	140	58
11/03/2019	13	142	140	59
11/03/2019	14	150	150	60
11/03/2019	15	150	150	58
11/03/2019	16	150	150	57
11/03/2019	17	150	150	59
11/03/2019	18	150	150	67
11/03/2019	19	150	150	65
11/03/2019	20	150	150	62
11/03/2019	21	150	150	58
11/03/2019	22	150	150	55
11/03/2019	23	145	142	51
11/03/2019	24	141	141	49
11/04/2019	1	129	129	46
11/04/2019	2	127	127	45
11/04/2019	3	122	122	45
11/04/2019	4	122	122	44
11/04/2019	5	126	126	45
11/04/2019	6	130	130	47
11/04/2019	7	126	126	46
11/04/2019	8	134	134	54
11/04/2019	9	150	150	63
11/04/2019	10	150	150	69
11/04/2019	11	150	150	73
11/04/2019	12	150	150	71
11/04/2019	13	150	150	72
11/04/2019	14	150	150	74
11/04/2019	15	150	150	73
11/04/2019	16	150	150	73
11/04/2019	17	150	150	70
11/04/2019	18	150	150	74
11/04/2019	19	150	150	71
11/04/2019	20	150	150	69
11/04/2019	21	150	150	66
11/04/2019	22	141	135	62
11/04/2019	23	142	142	57
11/04/2019	24	136	136	55
11/05/2019	1	124	124	47
11/05/2019	2	122	122	46
11/05/2019	3	120	120	45
11/05/2019	4	119	119	45
11/05/2019	5	122	122	47
11/05/2019	6	124	124	48
11/05/2019	7	121	121	48
11/05/2019	8	131	131	53
11/05/2019	9	146	133	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/05/2019	10	150	150	67
11/05/2019	11	150	150	70
11/05/2019	12	150	150	69
11/05/2019	13	150	150	71
11/05/2019	14	150	150	72
11/05/2019	15	150	150	71
11/05/2019	16	150	150	68
11/05/2019	17	150	150	67
11/05/2019	18	150	150	73
11/05/2019	19	150	150	70
11/05/2019	20	150	150	66
11/05/2019	21	146	144	63
11/05/2019	22	146	132	58
11/05/2019	23	146	137	55
11/05/2019	24	133	133	51
11/06/2019	1	124	124	47
11/06/2019	2	122	122	46
11/06/2019	3	121	121	45
11/06/2019	4	121	121	45
11/06/2019	5	123	123	47
11/06/2019	6	126	126	50
11/06/2019	7	124	124	48
11/06/2019	8	130	130	54
11/06/2019	9	148	132	63
11/06/2019	10	148	143	69
11/06/2019	11	150	150	72
11/06/2019	12	148	139	71
11/06/2019	13	150	150	72
11/06/2019	14	150	150	74
11/06/2019	15	150	150	72
11/06/2019	16	150	150	71
11/06/2019	17	150	150	70
11/06/2019	18	150	150	75
11/06/2019	19	150	150	72
11/06/2019	20	150	150	70
11/06/2019	21	150	150	67
11/06/2019	22	147	141	62
11/06/2019	23	147		57
11/06/2019	24	131	131	54
11/07/2019	1	121	121	48
11/07/2019	2	119	119	47
11/07/2019	3	118	118	46
11/07/2019	4	117	117	46
11/07/2019	5	119	119	49
11/07/2019	6	123	123	51
11/07/2019	7	121	121	48
11/07/2019	8	126	126	55
11/07/2019	9	150	150	64
11/07/2019	10	150	150	69
11/07/2019	11	150	150	72
11/07/2019	12	150	150	71
11/07/2019	13	150	150	72
11/07/2019	14	150	150	74
11/07/2019	15	150	150	72
11/07/2019	16	150	150	70
11/07/2019	17	150	150	69
11/07/2019	18	150	150	74
11/07/2019	19	150	150	71
11/07/2019	20	150	150	68
11/07/2019	21	147	143	64
11/07/2019	22	147	136	58
11/07/2019	23	147	139	54
11/07/2019	24	138	138	51
11/08/2019	1	147		50
11/08/2019	2	129		48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/08/2019	3	124		47
11/08/2019	4	122		46
11/08/2019	5	131		49
11/08/2019	6	146		51
11/08/2019	7	136		48
11/08/2019	8	148		56
11/08/2019	9	150		65
11/08/2019	10	150		69
11/08/2019	11	150		72
11/08/2019	12	150		71
11/08/2019	13	150		72
11/08/2019	14	150		74
11/08/2019	15	150		72
11/08/2019	16	150		71
11/08/2019	17	150		69
11/08/2019	18	150		75
11/08/2019	19	150		70
11/08/2019	20	150		68
11/08/2019	21	150		64
11/08/2019	22	150		61
11/08/2019	23	150		56
11/08/2019	24	147		51
11/09/2019	1	119	119	50
11/09/2019	2	118	118	48
11/09/2019	3	116	116	47
11/09/2019	4	115	115	47
11/09/2019	5	115	115	47
11/09/2019	6	117	117	48
11/09/2019	7	118	118	47
11/09/2019	8	121	121	53
11/09/2019	9	148	146	60
11/09/2019	10	150	150	65
11/09/2019	11	150	150	68
11/09/2019	12	150	150	68
11/09/2019	13	150	150	69
11/09/2019	14	150	150	70
11/09/2019	15	150	150	69
11/09/2019	16	150	150	66
11/09/2019	17	150	150	65
11/09/2019	18	150	150	71
11/09/2019	19	150	150	68
11/09/2019	20	150	150	66
11/09/2019	21	150	150	63
11/09/2019	22	147	125	57
11/09/2019	23	147	124	55
11/09/2019	24	118	118	49
11/10/2019	1	125	125	49
11/10/2019	2	124	124	47
11/10/2019	3	122	122	45
11/10/2019	4	121	121	45
11/10/2019	5	121	121	46
11/10/2019	6	122	122	47
11/10/2019	7	122	122	46
11/10/2019	8	123	123	48
11/10/2019	9	148	128	53
11/10/2019	10	148	123	57
11/10/2019	11	148	126	60
11/10/2019	12	148	129	60
11/10/2019	13	148	129	60
11/10/2019	14	148	132	61
11/10/2019	15	148	131	60
11/10/2019	16	148	131	58
11/10/2019	17	148	130	58
11/10/2019	18	148	133	66
11/10/2019	19	148	130	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/10/2019	20	148	124	63
11/10/2019	21	148	132	60
11/10/2019	22	147	133	56
11/10/2019	23	147		53
11/10/2019	24	126	126	49
11/11/2019	1	122	122	46
11/11/2019	2	120	120	44
11/11/2019	3	119	119	42
11/11/2019	4	118	118	42
11/11/2019	5	120	120	46
11/11/2019	6	122	122	48
11/11/2019	7	121	121	45
11/11/2019	8	128	128	53
11/11/2019	9	150	150	63
11/11/2019	10	150	150	70
11/11/2019	11	150	150	72
11/11/2019	12	150	150	71
11/11/2019	13	150	150	72
11/11/2019	14	150	150	74
11/11/2019	15	150	150	73
11/11/2019	16	150	150	72
11/11/2019	17	150	150	70
11/11/2019	18	150	150	74
11/11/2019	19	150	150	71
11/11/2019	20	150	150	68
11/11/2019	21	150	150	65
11/11/2019	22	150	150	60
11/11/2019	23	150	150	56
11/11/2019	24	126	126	51
11/12/2019	1	123	123	50
11/12/2019	2	121	121	48
11/12/2019	3	118	118	46
11/12/2019	4	117	117	47
11/12/2019	5	121	121	49
11/12/2019	6	128	128	51
11/12/2019	7	123	123	48
11/12/2019	8	150	150	56
11/12/2019	9	150	150	65
11/12/2019	10	150	150	71
11/12/2019	11	150	150	74
11/12/2019	12	150	150	73
11/12/2019	13	150	150	74
11/12/2019	14	150	150	75
11/12/2019	15	150	150	73
11/12/2019	16	150	150	71
11/12/2019	17	150	150	70
11/12/2019	18	150	150	76
11/12/2019	19	150	150	72
11/12/2019	20	150	150	68
11/12/2019	21	150	150	64
11/12/2019	22	150	150	60
11/12/2019	23	150	150	56
11/12/2019	24	150	150	52
11/13/2019	1	126	126	49
11/13/2019	2	124	124	48
11/13/2019	3	122	122	47
11/13/2019	4	120	120	46
11/13/2019	5	124	124	49
11/13/2019	6	128	128	51
11/13/2019	7	124	124	48
11/13/2019	8	134	134	56
11/13/2019	9	150	150	66
11/13/2019	10	150	150	71
11/13/2019	11	150	150	74
11/13/2019	12	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/13/2019	13	150	150	74
11/13/2019	14	150	150	76
11/13/2019	15	150	150	74
11/13/2019	16	150	150	72
11/13/2019	17	150	150	71
11/13/2019	18	150	150	76
11/13/2019	19	150	150	72
11/13/2019	20	150	150	69
11/13/2019	21	150	150	65
11/13/2019	22	150	150	60
11/13/2019	23	144	142	56
11/13/2019	24	136	136	53
11/14/2019	1	128	128	50
11/14/2019	2	127	127	48
11/14/2019	3	126	126	47
11/14/2019	4	125	125	47
11/14/2019	5	128	128	50
11/14/2019	6	130	130	52
11/14/2019	7	127	127	49
11/14/2019	8	150	144	56
11/14/2019	9	150	150	65
11/14/2019	10	150	150	72
11/14/2019	11	150	150	75
11/14/2019	12	150	150	74
11/14/2019	13	150	150	73
11/14/2019	14	150	150	76
11/14/2019	15	150	150	74
11/14/2019	16	150	150	72
11/14/2019	17	150	150	71
11/14/2019	18	150	150	77
11/14/2019	19	150	150	73
11/14/2019	20	150	150	71
11/14/2019	21	150	150	67
11/14/2019	22	150	150	62
11/14/2019	23	150		56
11/14/2019	24	133	133	53
11/15/2019	1	123	123	50
11/15/2019	2	121	121	48
11/15/2019	3	120	120	47
11/15/2019	4	120	120	47
11/15/2019	5	122	122	50
11/15/2019	6	125	125	52
11/15/2019	7	121	121	48
11/15/2019	8	129	129	56
11/15/2019	9	150	150	65
11/15/2019	10	150	150	71
11/15/2019	11	150	150	74
11/15/2019	12	150	150	72
11/15/2019	13	150	150	73
11/15/2019	14	150	150	75
11/15/2019	15	150	150	73
11/15/2019	16	150	150	72
11/15/2019	17	150	150	70
11/15/2019	18	150	150	76
11/15/2019	19	150	150	72
11/15/2019	20	150	150	70
11/15/2019	21	150	150	66
11/15/2019	22	150	147	61
11/15/2019	23	146	136	56
11/15/2019	24	130	130	53
11/16/2019	1	135	129	51
11/16/2019	2	135	125	50
11/16/2019	3	135	124	48
11/16/2019	4	135	123	48
11/16/2019	5	130	126	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/16/2019	6	130	130	49
11/16/2019	7	125	125	49
11/16/2019	8	150	150	55
11/16/2019	9	150	150	61
11/16/2019	10	150	150	65
11/16/2019	11	150	150	69
11/16/2019	12	150	150	68
11/16/2019	13	150	150	70
11/16/2019	14	150	150	71
11/16/2019	15	150	150	70
11/16/2019	16	150	150	67
11/16/2019	17	150	150	65
11/16/2019	18	150	150	72
11/16/2019	19	150	150	69
11/16/2019	20	150	150	68
11/16/2019	21	150	150	66
11/16/2019	22	150	150	62
11/16/2019	23	150	150	58
11/16/2019	24	136	136	54
11/17/2019	1	129	129	50
11/17/2019	2	125	125	48
11/17/2019	3	124	124	46
11/17/2019	4	123	123	46
11/17/2019	5	126	126	46
11/17/2019	6	130	130	47
11/17/2019	7	125	125	46
11/17/2019	8	134	134	49
11/17/2019	9	135	135	52
11/17/2019	10	141	141	57
11/17/2019	11	144	144	60
11/17/2019	12	139	139	60
11/17/2019	13	138	138	61
11/17/2019	14	142	142	62
11/17/2019	15	141	141	60
11/17/2019	16	141	141	59
11/17/2019	17	143	143	60
11/17/2019	18	142	142	65
11/17/2019	19	150	146	64
11/17/2019	20	144	144	63
11/17/2019	21	143	143	61
11/17/2019	22	142	142	57
11/17/2019	23	142		53
11/17/2019	24	141	141	50
11/18/2019	1	129	129	48
11/18/2019	2	125	125	46
11/18/2019	3	124	124	45
11/18/2019	4	123	123	44
11/18/2019	5	126	126	46
11/18/2019	6	130	130	48
11/18/2019	7	125	125	48
11/18/2019	8	134	134	56
11/18/2019	9	144	135	67
11/18/2019	10	144	135	72
11/18/2019	11	150	150	75
11/18/2019	12	141	141	74
11/18/2019	13	149	149	74
11/18/2019	14	150	150	76
11/18/2019	15	150	150	74
11/18/2019	16	142	142	73
11/18/2019	17	144	135	71
11/18/2019	18	150	150	74
11/18/2019	19	148	148	71
11/18/2019	20	144	144	69
11/18/2019	21	143	143	66
11/18/2019	22	136	136	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/18/2019	23	142	142	56
11/18/2019	24	136	136	54
11/19/2019	1	138	138	51
11/19/2019	2	134	134	50
11/19/2019	3	126	123	48
11/19/2019	4	121	121	47
11/19/2019	5	139	134	49
11/19/2019	6	141	140	52
11/19/2019	7	125	125	49
11/19/2019	8	150	150	55
11/19/2019	9	150	150	65
11/19/2019	10	150	150	71
11/19/2019	11	150	150	73
11/19/2019	12	150	150	73
11/19/2019	13	150	150	73
11/19/2019	14	150	150	75
11/19/2019	15	150	150	74
11/19/2019	16	150	150	73
11/19/2019	17	150	150	72
11/19/2019	18	150	150	76
11/19/2019	19	150	150	73
11/19/2019	20	150	150	70
11/19/2019	21	150	150	67
11/19/2019	22	149	141	62
11/19/2019	23	148	141	56
11/19/2019	24	138	138	53
11/20/2019	1	131	131	52
11/20/2019	2	128	128	50
11/20/2019	3	127	127	49
11/20/2019	4	126	126	49
11/20/2019	5	129	129	51
11/20/2019	6	133	133	52
11/20/2019	7	130	130	49
11/20/2019	8	144	144	56
11/20/2019	9	150	150	65
11/20/2019	10	150	150	71
11/20/2019	11	150	150	75
11/20/2019	12	150	150	74
11/20/2019	13	150	150	75
11/20/2019	14	150	150	77
11/20/2019	15	150	150	76
11/20/2019	16	150	150	74
11/20/2019	17	150	150	71
11/20/2019	18	150	150	78
11/20/2019	19	150	150	74
11/20/2019	20	150	150	71
11/20/2019	21	150	150	68
11/20/2019	22	150	150	62
11/20/2019	23	150		59
11/20/2019	24	150	150	55
11/21/2019	1	125	125	53
11/21/2019	2	123	123	51
11/21/2019	3	122	122	50
11/21/2019	4	122	122	50
11/21/2019	5	124	124	52
11/21/2019	6	127	127	55
11/21/2019	7	126	126	50
11/21/2019	8	132	132	57
11/21/2019	9	150	150	67
11/21/2019	10	150	150	71
11/21/2019	11	150	150	76
11/21/2019	12	150	150	75
11/21/2019	13	150	150	74
11/21/2019	14	150	150	77
11/21/2019	15	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/21/2019	16	150	150	74
11/21/2019	17	150	150	72
11/21/2019	18	150	150	76
11/21/2019	19	150	150	73
11/21/2019	20	150	150	70
11/21/2019	21	150	150	68
11/21/2019	22	145	145	63
11/21/2019	23	142	136	58
11/21/2019	24	129	129	54
11/22/2019	1	122	122	51
11/22/2019	2	119	119	50
11/22/2019	3	118	118	49
11/22/2019	4	118	118	48
11/22/2019	5	121	121	49
11/22/2019	6	123	123	51
11/22/2019	7	120	120	49
11/22/2019	8	134	134	56
11/22/2019	9	150	150	66
11/22/2019	10	150	150	71
11/22/2019	11	150	150	75
11/22/2019	12	150	150	74
11/22/2019	13	150	150	75
11/22/2019	14	150	150	76
11/22/2019	15	150	150	75
11/22/2019	16	150	150	73
11/22/2019	17	150	150	71
11/22/2019	18	150	150	77
11/22/2019	19	150	150	73
11/22/2019	20	150	150	71
11/22/2019	21	150	150	69
11/22/2019	22	150	150	63
11/22/2019	23	150	137	57
11/22/2019	24	150	150	55
11/23/2019	1	128	128	51
11/23/2019	2	126	126	49
11/23/2019	3	125	125	48
11/23/2019	4	124	124	47
11/23/2019	5	125	125	48
11/23/2019	6	127	127	49
11/23/2019	7	127	127	48
11/23/2019	8	131	131	54
11/23/2019	9	144	135	61
11/23/2019	10	144	138	66
11/23/2019	11	144	131	69
11/23/2019	12	144	131	68
11/23/2019	13	144	134	69
11/23/2019	14	144	144	71
11/23/2019	15	144	135	70
11/23/2019	16	144	134	68
11/23/2019	17	144	132	65
11/23/2019	18	145	131	72
11/23/2019	19	145	134	70
11/23/2019	20	145	132	68
11/23/2019	21	145	129	66
11/23/2019	22	145	126	61
11/23/2019	23	144	138	57
11/23/2019	24	132	132	53
11/24/2019	1	131	131	50
11/24/2019	2	129	129	49
11/24/2019	3	127	127	47
11/24/2019	4	127	127	47
11/24/2019	5	127	127	48
11/24/2019	6	128	128	48
11/24/2019	7	128	128	48
11/24/2019	8	130	130	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/24/2019	9	134	134	53
11/24/2019	10	139	134	58
11/24/2019	11	139	137	60
11/24/2019	12	139	138	60
11/24/2019	13	139	138	63
11/24/2019	14	142	142	64
11/24/2019	15	142	142	63
11/24/2019	16	141	140	61
11/24/2019	17	150	150	61
11/24/2019	18	150	150	69
11/24/2019	19	150	150	68
11/24/2019	20	150	150	67
11/24/2019	21	150	150	63
11/24/2019	22	138	138	60
11/24/2019	23	141	136	55
11/24/2019	24	130	130	51
11/25/2019	1	131	131	49
11/25/2019	2	129	129	47
11/25/2019	3	127	129	46
11/25/2019	4	127	127	46
11/25/2019	5	127	127	49
11/25/2019	6	128	128	51
11/25/2019	7	128	128	48
11/25/2019	8	130	130	55
11/25/2019	9	150	150	66
11/25/2019	10	150	150	72
11/25/2019	11	150	150	75
11/25/2019	12	150	150	74
11/25/2019	13	150	150	75
11/25/2019	14	150	150	78
11/25/2019	15	150	150	77
11/25/2019	16	150	150	75
11/25/2019	17	150	150	72
11/25/2019	18	150	150	78
11/25/2019	19	150	150	73
11/25/2019	20	150	150	70
11/25/2019	21	146	146	67
11/25/2019	22	145	138	62
11/25/2019	23	145	136	57
11/25/2019	24	130	130	54
11/26/2019	1	131	115	51
11/26/2019	2	137	105	50
11/26/2019	3	132	105	48
11/26/2019	4	150	96	48
11/26/2019	5	150	96	50
11/26/2019	6	150	97	52
11/26/2019	7	150	101	49
11/26/2019	8	150	101	56
11/26/2019	9	150	149	66
11/26/2019	10	150	149	71
11/26/2019	11	150	150	75
11/26/2019	12	150	150	73
11/26/2019	13	150	150	74
11/26/2019	14	150	150	76
11/26/2019	15	150	150	75
11/26/2019	16	150	150	73
11/26/2019	17	150	150	71
11/26/2019	18	150	150	77
11/26/2019	19	150	150	72
11/26/2019	20	150	149	69
11/26/2019	21	150	149	66
11/26/2019	22	150	149	60
11/26/2019	23	150	149	57
11/26/2019	24	150	121	53
11/27/2019	1	128	128	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/27/2019	2	126	126	49
11/27/2019	3	124	124	48
11/27/2019	4	123	123	48
11/27/2019	5	126	126	50
11/27/2019	6	128	128	53
11/27/2019	7	124	124	48
11/27/2019	8	131	131	56
11/27/2019	9	147	133	65
11/27/2019	10	150	150	71
11/27/2019	11	150	150	75
11/27/2019	12	150	150	73
11/27/2019	13	150	150	74
11/27/2019	14	150	150	76
11/27/2019	15	150	150	75
11/27/2019	16	150	150	72
11/27/2019	17	150	150	70
11/27/2019	18	150	150	77
11/27/2019	19	150	150	73
11/27/2019	20	150	150	71
11/27/2019	21	147	142	67
11/27/2019	22	146	135	61
11/27/2019	23	146	137	56
11/27/2019	24	130	130	53
11/28/2019	1	129	129	50
11/28/2019	2	125	125	49
11/28/2019	3	124	124	47
11/28/2019	4	124	124	47
11/28/2019	5	128	128	49
11/28/2019	6	129	129	52
11/28/2019	7	127	127	49
11/28/2019	8	133	133	57
11/28/2019	9	144	141	66
11/28/2019	10	150	150	72
11/28/2019	11	150	150	76
11/28/2019	12	150	150	74
11/28/2019	13	150	150	75
11/28/2019	14	150	150	77
11/28/2019	15	150	150	76
11/28/2019	16	150	150	74
11/28/2019	17	150	150	72
11/28/2019	18	150	150	77
11/28/2019	19	150	150	74
11/28/2019	20	150	150	70
11/28/2019	21	146	140	67
11/28/2019	22	145	137	61
11/28/2019	23	145	137	57
11/28/2019	24	130	130	53
11/29/2019	1	127	127	49
11/29/2019	2	124	124	48
11/29/2019	3	122	122	47
11/29/2019	4	122	122	47
11/29/2019	5	125	125	49
11/29/2019	6	128	128	52
11/29/2019	7	125	125	49
11/29/2019	8	132	132	56
11/29/2019	9	147	134	66
11/29/2019	10	150	150	72
11/29/2019	11	150	150	75
11/29/2019	12	150	150	73
11/29/2019	13	150	150	74
11/29/2019	14	150	150	76
11/29/2019	15	150	150	75
11/29/2019	16	150	150	74
11/29/2019	17	150	150	71
11/29/2019	18	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/29/2019	19	150	150	72
11/29/2019	20	150	150	70
11/29/2019	21	147	146	66
11/29/2019	22	146	135	60
11/29/2019	23	146	148	56
11/29/2019	24	131	131	53
11/30/2019	1	123	108	52
11/30/2019	2	106	106	49
11/30/2019	3	105	105	48
11/30/2019	4	113	95	47
11/30/2019	5	145	93	48
11/30/2019	6	150	95	49
11/30/2019	7	150	98	47
11/30/2019	8	150	110	52
11/30/2019	9	150	130	59
11/30/2019	10	150	150	64
11/30/2019	11	150	150	67
11/30/2019	12	150	150	67
11/30/2019	13	150	150	68
11/30/2019	14	150	150	70
11/30/2019	15	150	150	69
11/30/2019	16	150	150	67
11/30/2019	17	150	150	64
11/30/2019	18	150	150	70
11/30/2019	19	150	150	69
11/30/2019	20	150	150	68
11/30/2019	21	150	150	67
11/30/2019	22	150	147	61
11/30/2019	23	150	147	56
11/30/2019	24	150	114	53
12/01/2019	1	150	98	50
12/01/2019	2	150	99	48
12/01/2019	3	150	99	48
12/01/2019	4	150	98	47
12/01/2019	5	150	97	48
12/01/2019	6	150	99	48
12/01/2019	7	150	100	48
12/01/2019	8	150	100	49
12/01/2019	9	150	108	54
12/01/2019	10	150	133	57
12/01/2019	11	150	133	59
12/01/2019	12	150	133	61
12/01/2019	13	150	133	62
12/01/2019	14	150	143	64
12/01/2019	15	150	133	62
12/01/2019	16	150	133	60
12/01/2019	17	150	133	61
12/01/2019	18	150	144	68
12/01/2019	19	150	144	67
12/01/2019	20	150	133	65
12/01/2019	21	150	131	62
12/01/2019	22	150	130	58
12/01/2019	23	150	130	53
12/01/2019	24	150	96	50
12/02/2019	1	150	98	49
12/02/2019	2	150	98	46
12/02/2019	3	150	150	46
12/02/2019	4	150	97	45
12/02/2019	5	150	104	48
12/02/2019	6	150	113	50
12/02/2019	7	150	102	48
12/02/2019	8	150	117	55
12/02/2019	9	150	150	66
12/02/2019	10	150	150	72
12/02/2019	11	150	150	75

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/02/2019	12	150	150	74
12/02/2019	13	150	150	74
12/02/2019	14	150	150	76
12/02/2019	15	150	150	74
12/02/2019	16	150	150	74
12/02/2019	17	150	150	71
12/02/2019	18	150	150	77
12/02/2019	19	150	150	74
12/02/2019	20	150	150	71
12/02/2019	21	150	150	68
12/02/2019	22	150	150	61
12/02/2019	23	150	138	57
12/02/2019	24	150	131	54
12/03/2019	1	150	97	50
12/03/2019	2	150	97	49
12/03/2019	3	150	97	47
12/03/2019	4	150	97	47
12/03/2019	5	150	97	49
12/03/2019	6	150	97	52
12/03/2019	7	150	100	49
12/03/2019	8	150	115	56
12/03/2019	9	150	150	66
12/03/2019	10	150	150	72
12/03/2019	11	150	150	75
12/03/2019	12	150	150	73
12/03/2019	13	150	150	74
12/03/2019	14	150	150	76
12/03/2019	15	150	150	75
12/03/2019	16	150	150	72
12/03/2019	17	150	150	71
12/03/2019	18	150	150	77
12/03/2019	19	150	150	72
12/03/2019	20	150	150	69
12/03/2019	21	150	150	66
12/03/2019	22	150	149	60
12/03/2019	23	150	149	55
12/03/2019	24	150	129	52
12/04/2019	1	150	95	49
12/04/2019	2	150	95	48
12/04/2019	3	150	93	46
12/04/2019	4	150	92	45
12/04/2019	5	150	95	48
12/04/2019	6	150	95	51
12/04/2019	7	150	98	48
12/04/2019	8	150	114	56
12/04/2019	9	150	150	65
12/04/2019	10	150	150	70
12/04/2019	11	150	150	74
12/04/2019	12	150	150	72
12/04/2019	13	150	150	73
12/04/2019	14	150	150	74
12/04/2019	15	150	150	73
12/04/2019	16	150	150	72
12/04/2019	17	150	150	70
12/04/2019	18	150	150	75
12/04/2019	19	150	150	70
12/04/2019	20	150	150	68
12/04/2019	21	150	150	63
12/04/2019	22	150	148	59
12/04/2019	23	150	148	55
12/04/2019	24	150	114	51
12/05/2019	1	150	114	50
12/05/2019	2	150	114	49
12/05/2019	3	150	114	47
12/05/2019	4	150	108	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/05/2019	5	150	114	49
12/05/2019	6	150	114	53
12/05/2019	7	150	114	51
12/05/2019	8	150	129	57
12/05/2019	9	150	150	66
12/05/2019	10	150	150	72
12/05/2019	11	150	150	75
12/05/2019	12	150	150	74
12/05/2019	13	150	150	74
12/05/2019	14	150	150	77
12/05/2019	15	150	150	76
12/05/2019	16	150	150	74
12/05/2019	17	150	150	71
12/05/2019	18	150	150	78
12/05/2019	19	150	150	73
12/05/2019	20	150	150	70
12/05/2019	21	150	150	67
12/05/2019	22	150	150	62
12/05/2019	23	150	147	56
12/05/2019	24	150	114	52
12/06/2019	1	150	114	52
12/06/2019	2	150	114	51
12/06/2019	3	150	114	49
12/06/2019	4	150	114	49
12/06/2019	5	150	114	51
12/06/2019	6	150	114	52
12/06/2019	7	150	114	51
12/06/2019	8	150	150	57
12/06/2019	9	150	150	66
12/06/2019	10	150	150	71
12/06/2019	11	150	150	75
12/06/2019	12	150	150	74
12/06/2019	13	150	150	76
12/06/2019	14	150	150	78
12/06/2019	15	150	150	77
12/06/2019	16	150	150	75
12/06/2019	17	150	150	72
12/06/2019	18	150	150	78
12/06/2019	19	150	150	74
12/06/2019	20	150	150	72
12/06/2019	21	150	150	68
12/06/2019	22	150	150	63
12/06/2019	23	150	150	58
12/06/2019	24	150	129	54
12/07/2019	1	150	96	53
12/07/2019	2	150	91	51
12/07/2019	3	150	91	50
12/07/2019	4	150	91	48
12/07/2019	5	150	91	49
12/07/2019	6	150	91	50
12/07/2019	7	150	94	50
12/07/2019	8	150	99	54
12/07/2019	9	150	150	61
12/07/2019	10	150	150	67
12/07/2019	11	150	150	69
12/07/2019	12	150	150	69
12/07/2019	13	150	150	70
12/07/2019	14	150	150	72
12/07/2019	15	150	150	71
12/07/2019	16	150	150	68
12/07/2019	17	150	150	66
12/07/2019	18	150	150	72
12/07/2019	19	150	150	70
12/07/2019	20	150	150	69
12/07/2019	21	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/07/2019	22	150	145	62
12/07/2019	23	150		58
12/07/2019	24	150	95	54
12/08/2019	1	150	114	51
12/08/2019	2	150	114	49
12/08/2019	3	150	95	48
12/08/2019	4	150	95	47
12/08/2019	5	150	95	48
12/08/2019	6	150	104	49
12/08/2019	7	150	103	49
12/08/2019	8	150	100	49
12/08/2019	9	150	130	54
12/08/2019	10	150	132	58
12/08/2019	11	150	132	61
12/08/2019	12	150	132	61
12/08/2019	13	150	132	63
12/08/2019	14	150	135	65
12/08/2019	15	150	135	63
12/08/2019	16	150	132	61
12/08/2019	17	150	132	61
12/08/2019	18	150	150	70
12/08/2019	19	150	150	68
12/08/2019	20	150	150	66
12/08/2019	21	150	150	63
12/08/2019	22	150	149	59
12/08/2019	23	150	128	54
12/08/2019	24	150	114	51
12/09/2019	1	150	94	50
12/09/2019	2	150	94	49
12/09/2019	3	150	94	47
12/09/2019	4	150	94	46
12/09/2019	5	150	94	49
12/09/2019	6	150	94	51
12/09/2019	7	150	97	48
12/09/2019	8	150	102	56
12/09/2019	9	150	143	67
12/09/2019	10	150	148	72
12/09/2019	11	150	148	76
12/09/2019	12	150	148	75
12/09/2019	13	150	148	75
12/09/2019	14	150	150	78
12/09/2019	15	150	150	77
12/09/2019	16	150	148	75
12/09/2019	17	150	148	72
12/09/2019	18	150	150	78
12/09/2019	19	150	148	74
12/09/2019	20	150	148	72
12/09/2019	21	150	133	68
12/09/2019	22	150	131	62
12/09/2019	23	150	131	58
12/09/2019	24	150	98	54
12/10/2019	1	150	150	52
12/10/2019	2	150	150	51
12/10/2019	3	150	150	50
12/10/2019	4	150	140	49
12/10/2019	5	150	150	52
12/10/2019	6	150	150	53
12/10/2019	7	150	116	51
12/10/2019	8	150	150	57
12/10/2019	9	150	150	66
12/10/2019	10	150	150	73
12/10/2019	11	150	150	76
12/10/2019	12	150	150	74
12/10/2019	13	150	150	75
12/10/2019	14	150	150	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/10/2019	15	150	150	75
12/10/2019	16	150	150	74
12/10/2019	17	150	150	72
12/10/2019	18	150	150	78
12/10/2019	19	150	150	73
12/10/2019	20	150	150	70
12/10/2019	21	150	150	67
12/10/2019	22	150	150	61
12/10/2019	23	150	150	57
12/10/2019	24	150	150	53
12/11/2019	1	150	91	53
12/11/2019	2	150	91	51
12/11/2019	3	150	91	49
12/11/2019	4	150	91	49
12/11/2019	5	150	91	50
12/11/2019	6	150	92	52
12/11/2019	7	149	95	49
12/11/2019	8	150	100	56
12/11/2019	9	150	140	66
12/11/2019	10	150	142	72
12/11/2019	11	150	150	75
12/11/2019	12	150	150	75
12/11/2019	13	150	150	75
12/11/2019	14	150	150	78
12/11/2019	15	150	150	77
12/11/2019	16	150	150	76
12/11/2019	17	150	149	73
12/11/2019	18	150	149	79
12/11/2019	19	150	149	75
12/11/2019	20	150	149	73
12/11/2019	21	149	140	70
12/11/2019	22	149	139	65
12/11/2019	23	149		59
12/11/2019	24	149	97	55
12/12/2019	1	150	114	52
12/12/2019	2	150	114	50
12/12/2019	3	150	114	49
12/12/2019	4	150	114	48
12/12/2019	5	150	114	50
12/12/2019	6	150	114	53
12/12/2019	7	150	95	49
12/12/2019	8	150	114	56
12/12/2019	9	150	148	65
12/12/2019	10	150	150	73
12/12/2019	11	150	150	76
12/12/2019	12	150	150	75
12/12/2019	13	150	150	76
12/12/2019	14	150	150	78
12/12/2019	15	150	150	76
12/12/2019	16	150	150	75
12/12/2019	17	150	150	72
12/12/2019	18	150	150	79
12/12/2019	19	150	150	75
12/12/2019	20	150	150	73
12/12/2019	21	150	148	69
12/12/2019	22	150	147	63
12/12/2019	23	150	147	58
12/12/2019	24	150	129	55
12/13/2019	1	150	98	52
12/13/2019	2	150	96	50
12/13/2019	3	150	95	49
12/13/2019	4	150	95	48
12/13/2019	5	150	95	50
12/13/2019	6	150	97	52
12/13/2019	7	150	100	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/13/2019	8	150	129	55
12/13/2019	9	150	150	65
12/13/2019	10	150	150	69
12/13/2019	11	150	150	73
12/13/2019	12	150	150	73
12/13/2019	13	150	150	73
12/13/2019	14	150	150	76
12/13/2019	15	150	150	75
12/13/2019	16	150	150	74
12/13/2019	17	150	149	71
12/13/2019	18	150	149	77
12/13/2019	19	150	149	73
12/13/2019	20	150	149	71
12/13/2019	21	150	149	68
12/13/2019	22	150	149	62
12/13/2019	23	150		57
12/13/2019	24	149	104	54
12/14/2019	1	150	125	51
12/14/2019	2	150	121	49
12/14/2019	3	150	111	47
12/14/2019	4	150	111	47
12/14/2019	5	150	111	48
12/14/2019	6	150	111	48
12/14/2019	7	150	111	47
12/14/2019	8	150	114	51
12/14/2019	9	150	121	58
12/14/2019	10	150	121	63
12/14/2019	11	150	134	67
12/14/2019	12	150	134	66
12/14/2019	13	150	134	67
12/14/2019	14	150	134	70
12/14/2019	15	150	134	67
12/14/2019	16	150	134	66
12/14/2019	17	150	134	65
12/14/2019	18	150	135	71
12/14/2019	19	150	134	70
12/14/2019	20	150	134	68
12/14/2019	21	150	134	66
12/14/2019	22	150	134	62
12/14/2019	23	150	134	57
12/14/2019	24	150	134	53
12/15/2019	1	150	111	51
12/15/2019	2	150	111	48
12/15/2019	3	150	111	47
12/15/2019	4	150	111	46
12/15/2019	5	150	111	47
12/15/2019	6	150	111	48
12/15/2019	7	150	111	48
12/15/2019	8	150	111	50
12/15/2019	9	150	111	53
12/15/2019	10	150	135	56
12/15/2019	11	150	135	59
12/15/2019	12	150	135	60
12/15/2019	13	150	135	61
12/15/2019	14	150	135	62
12/15/2019	15	150	135	61
12/15/2019	16	150	135	59
12/15/2019	17	150	134	60
12/15/2019	18	150	135	68
12/15/2019	19	150	135	67
12/15/2019	20	150	135	65
12/15/2019	21	150	135	63
12/15/2019	22	150	135	58
12/15/2019	23	150	135	54
12/15/2019	24	150	116	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/16/2019	1	150	134	47
12/16/2019	2	150	134	46
12/16/2019	3	150	121	45
12/16/2019	4	150	110	44
12/16/2019	5	150	134	47
12/16/2019	6	150	134	49
12/16/2019	7	150	108	46
12/16/2019	8	150	134	53
12/16/2019	9	150	134	64
12/16/2019	10	150	135	69
12/16/2019	11	150	135	72
12/16/2019	12	150	135	72
12/16/2019	13	150	135	72
12/16/2019	14	150	135	76
12/16/2019	15	150	135	75
12/16/2019	16	150	135	73
12/16/2019	17	150	135	71
12/16/2019	18	150	135	76
12/16/2019	19	150	135	74
12/16/2019	20	150	135	72
12/16/2019	21	150	135	68
12/16/2019	22	150	134	63
12/16/2019	23	150	134	57
12/16/2019	24	150	134	53
12/17/2019	1	150	111	49
12/17/2019	2	150	111	48
12/17/2019	3	150	111	48
12/17/2019	4	150	110	47
12/17/2019	5	150	111	49
12/17/2019	6	150	111	51
12/17/2019	7	150	110	48
12/17/2019	8	150	111	55
12/17/2019	9	150	135	64
12/17/2019	10	150	150	69
12/17/2019	11	150	150	72
12/17/2019	12	150	150	71
12/17/2019	13	150	150	72
12/17/2019	14	150	150	74
12/17/2019	15	150	150	72
12/17/2019	16	150	150	71
12/17/2019	17	150	150	70
12/17/2019	18	150	150	75
12/17/2019	19	150	150	72
12/17/2019	20	150	150	68
12/17/2019	21	150	135	64
12/17/2019	22	150	135	59
12/17/2019	23	150	118	55
12/17/2019	24	150	111	51
12/18/2019	1	150	111	45
12/18/2019	2	150	107	43
12/18/2019	3	150	150	42
12/18/2019	4	150	93	42
12/18/2019	5	150	85	42
12/18/2019	6	150	111	46
12/18/2019	7	150	111	48
12/18/2019	8	150	111	52
12/18/2019	9	150	111	60
12/18/2019	10	150	123	65
12/18/2019	11	150	125	68
12/18/2019	12	150	126	68
12/18/2019	13	150	127	68
12/18/2019	14	150	135	69
12/18/2019	15	150	150	68
12/18/2019	16	150	134	69
12/18/2019	17	150	134	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/18/2019	18	150	150	73
12/18/2019	19	150	150	69
12/18/2019	20	150	130	68
12/18/2019	21	150	121	63
12/18/2019	22	150	112	59
12/18/2019	23	150	111	54
12/18/2019	24	150	111	50
12/19/2019	1	150	108	48
12/19/2019	2	150	97	46
12/19/2019	3	150	88	46
12/19/2019	4	150	93	46
12/19/2019	5	150	97	47
12/19/2019	6	150	111	49
12/19/2019	7	150	111	49
12/19/2019	8	150	113	53
12/19/2019	9	150	113	62
12/19/2019	10	150	113	68
12/19/2019	11	150	114	70
12/19/2019	12	150	120	68
12/19/2019	13	150	124	69
12/19/2019	14	150	150	70
12/19/2019	15	150	150	69
12/19/2019	16	150	150	68
12/19/2019	17	150	150	67
12/19/2019	18	150	150	72
12/19/2019	19	150	150	68
12/19/2019	20	150	128	65
12/19/2019	21	150	113	61
12/19/2019	22	150	113	57
12/19/2019	23	150	113	52
12/19/2019	24	150	113	49
12/20/2019	1	150	72	46
12/20/2019	2	150	70	44
12/20/2019	3	150	68	43
12/20/2019	4	150	67	43
12/20/2019	5	150	68	44
12/20/2019	6	150	89	47
12/20/2019	7	150	101	48
12/20/2019	8	150	115	52
12/20/2019	9	150	135	61
12/20/2019	10	150	135	67
12/20/2019	11	150	150	70
12/20/2019	12	150	150	70
12/20/2019	13	150	150	70
12/20/2019	14	150	150	72
12/20/2019	15	150	150	71
12/20/2019	16	150	150	70
12/20/2019	17	150	150	68
12/20/2019	18	150	150	73
12/20/2019	19	150	150	69
12/20/2019	20	150	150	67
12/20/2019	21	150	150	64
12/20/2019	22	150	135	58
12/20/2019	23	150	135	54
12/20/2019	24	150	115	50
12/21/2019	1	150	97	50
12/21/2019	2	150	97	48
12/21/2019	3	150	97	46
12/21/2019	4	150	87	45
12/21/2019	5	150	87	46
12/21/2019	6	150	87	48
12/21/2019	7	150	77	48
12/21/2019	8	150	97	52
12/21/2019	9	150	112	58
12/21/2019	10	150	150	62

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/21/2019	11	150	150	64
12/21/2019	12	150	150	63
12/21/2019	13	150	150	63
12/21/2019	14	150	150	65
12/21/2019	15	150	150	64
12/21/2019	16	150	150	62
12/21/2019	17	150	150	62
12/21/2019	18	150	150	69
12/21/2019	19	150	150	68
12/21/2019	20	150	150	66
12/21/2019	21	150	150	64
12/21/2019	22	150	113	58
12/21/2019	23	150	87	53
12/21/2019	24	150	77	49
12/22/2019	1	109	109	48
12/22/2019	2	107	107	46
12/22/2019	3	105	105	44
12/22/2019	4	105	105	44
12/22/2019	5	107	107	44
12/22/2019	6	108	108	45
12/22/2019	7	107	107	45
12/22/2019	8	115	115	46
12/22/2019	9	132	132	51
12/22/2019	10	146	146	54
12/22/2019	11	150	150	57
12/22/2019	12	150	150	57
12/22/2019	13	150	150	58
12/22/2019	14	150	150	58
12/22/2019	15	150	150	57
12/22/2019	16	150	150	57
12/22/2019	17	150	150	56
12/22/2019	18	150	150	66
12/22/2019	19	150	150	65
12/22/2019	20	141	141	63
12/22/2019	21	134	134	61
12/22/2019	22	127	127	56
12/22/2019	23	138	129	52
12/22/2019	24	113	113	49
12/23/2019	1	104	104	47
12/23/2019	2	109	109	45
12/23/2019	3	102	102	43
12/23/2019	4	106	106	43
12/23/2019	5	106	106	46
12/23/2019	6	106	106	49
12/23/2019	7	105	105	46
12/23/2019	8	115	115	50
12/23/2019	9	150	150	62
12/23/2019	10	150	150	68
12/23/2019	11	150	150	69
12/23/2019	12	150	150	69
12/23/2019	13	150	150	70
12/23/2019	14	150	150	72
12/23/2019	15	150	150	70
12/23/2019	16	150	150	68
12/23/2019	17	150	150	69
12/23/2019	18	150	150	72
12/23/2019	19	150	150	68
12/23/2019	20	150	150	65
12/23/2019	21	150	150	61
12/23/2019	22	140	135	56
12/23/2019	23	140	139	52
12/23/2019	24	117	117	49
12/24/2019	1	108	108	47
12/24/2019	2	107	107	45
12/24/2019	3	105	105	44

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/24/2019	4	103	103	43
12/24/2019	5	104	104	42
12/24/2019	6	107	107	45
12/24/2019	7	108	108	46
12/24/2019	8	113	113	48
12/24/2019	9	128	128	51
12/24/2019	10	148	134	55
12/24/2019	11	148	137	56
12/24/2019	12	148	139	58
12/24/2019	13	148	139	57
12/24/2019	14	148	136	55
12/24/2019	15	148	136	56
12/24/2019	16	148	135	55
12/24/2019	17	148	131	55
12/24/2019	18	148	135	65
12/24/2019	19	148	133	62
12/24/2019	20	148	129	56
12/24/2019	21	146	127	53
12/24/2019	22	145	119	50
12/24/2019	23	125	125	47
12/24/2019	24	110	110	50
12/25/2019	1	110	110	45
12/25/2019	2	108	108	43
12/25/2019	3	106	108	41
12/25/2019	4	106	106	41
12/25/2019	5	108	108	40
12/25/2019	6	100	100	39
12/25/2019	7	110	110	41
12/25/2019	8	100	100	39
12/25/2019	9	101	100	42
12/25/2019	10	103	100	42
12/25/2019	11	140	140	51
12/25/2019	12	131	128	50
12/25/2019	13	141	141	51
12/25/2019	14	122	122	49
12/25/2019	15	118	118	47
12/25/2019	16	116	116	48
12/25/2019	17	133	133	50
12/25/2019	18	131	131	60
12/25/2019	19	136	136	57
12/25/2019	20	132	132	56
12/25/2019	21	129	129	51
12/25/2019	22	128	122	49
12/25/2019	23	127	127	46
12/25/2019	24	113	113	46
12/26/2019	1	100	100	40
12/26/2019	2	96	96	39
12/26/2019	3	85	85	38
12/26/2019	4	85	85	38
12/26/2019	5	85	85	38
12/26/2019	6	90	90	40
12/26/2019	7	104	104	42
12/26/2019	8	113	112	45
12/26/2019	9	128	128	51
12/26/2019	10	139	139	59
12/26/2019	11	147	147	62
12/26/2019	12	150	150	63
12/26/2019	13	150	150	64
12/26/2019	14	150	150	66
12/26/2019	15	150	150	66
12/26/2019	16	150	150	64
12/26/2019	17	145	145	63
12/26/2019	18	150	150	70
12/26/2019	19	150	150	66
12/26/2019	20	141	141	63

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/26/2019	21	133	133	60
12/26/2019	22	131	121	56
12/26/2019	23	134	134	53
12/26/2019	24	113	113	49
12/27/2019	1	116	116	46
12/27/2019	2	116	116	44
12/27/2019	3	114	114	41
12/27/2019	4	100	100	41
12/27/2019	5	113	113	42
12/27/2019	6	116	116	45
12/27/2019	7	116	116	48
12/27/2019	8	119	119	50
12/27/2019	9	150	121	62
12/27/2019	10	150	133	68
12/27/2019	11	150	132	70
12/27/2019	12	150	133	69
12/27/2019	13	150	150	70
12/27/2019	14	150	150	72
12/27/2019	15	150	150	71
12/27/2019	16	150	143	69
12/27/2019	17	150	125	65
12/27/2019	18	150	150	70
12/27/2019	19	150	150	69
12/27/2019	20	150	150	68
12/27/2019	21	150	150	65
12/27/2019	22	149	148	61
12/27/2019	23	148	129	55
12/27/2019	24	123	123	53
12/28/2019	1	116	116	48
12/28/2019	2	116	116	47
12/28/2019	3	114	114	44
12/28/2019	4	111	111	44
12/28/2019	5	113	113	44
12/28/2019	6	116	116	46
12/28/2019	7	116	116	47
12/28/2019	8	119	119	52
12/28/2019	9	131	121	56
12/28/2019	10	132	127	61
12/28/2019	11	132	132	66
12/28/2019	12	133	133	65
12/28/2019	13	134	134	65
12/28/2019	14	142	133	66
12/28/2019	15	136	136	66
12/28/2019	16	136	136	65
12/28/2019	17	136	136	65
12/28/2019	18	146	146	69
12/28/2019	19	142	136	67
12/28/2019	20	141	135	65
12/28/2019	21	132	130	63
12/28/2019	22	131	115	58
12/28/2019	23	130	129	54
12/28/2019	24	123	123	49
12/29/2019	1	102	102	46
12/29/2019	2	103	103	44
12/29/2019	3	92	92	42
12/29/2019	4	85	85	41
12/29/2019	5	85	85	41
12/29/2019	6	85	85	42
12/29/2019	7	91	91	44
12/29/2019	8	104	102	47
12/29/2019	9	131	104	52
12/29/2019	10	132	108	56
12/29/2019	11	132	111	58
12/29/2019	12	132	112	58
12/29/2019	13	132	111	58

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/29/2019	14	132	115	59
12/29/2019	15	132	118	58
12/29/2019	16	132	114	57
12/29/2019	17	132	111	57
12/29/2019	18	132	132	67
12/29/2019	19	132	129	65
12/29/2019	20	133	133	63
12/29/2019	21	132	121	61
12/29/2019	22	130	107	57
12/29/2019	23	130	128	52
12/29/2019	24	105	105	49
12/30/2019	1	102	102	45
12/30/2019	2	103	103	43
12/30/2019	3	102	102	41
12/30/2019	4	101	101	41
12/30/2019	5	102	102	41
12/30/2019	6	103	103	43
12/30/2019	7	102	102	44
12/30/2019	8	104	102	47
12/30/2019	9	132	104	51
12/30/2019	10	133	108	53
12/30/2019	11	133	111	55
12/30/2019	12	133	112	58
12/30/2019	13	133	111	57
12/30/2019	14	133	115	58
12/30/2019	15	133	118	56
12/30/2019	16	133	114	54
12/30/2019	17	133	111	56
12/30/2019	18	150	115	63
12/30/2019	19	150	119	63
12/30/2019	20	150	115	62
12/30/2019	21	147	115	60
12/30/2019	22	131	112	58
12/30/2019	23	130	108	53
12/30/2019	24	105	105	48
12/31/2019	1	117	117	45
12/31/2019	2	116	116	44
12/31/2019	3	115	115	42
12/31/2019	4	114	107	41
12/31/2019	5	114	114	43
12/31/2019	6	117	117	44
12/31/2019	7	117	117	44
12/31/2019	8	120	120	47
12/31/2019	9	133	123	49
12/31/2019	10	133	130	52
12/31/2019	11	135	135	56
12/31/2019	12	135	135	57
12/31/2019	13	136	136	57
12/31/2019	14	136	136	59
12/31/2019	15	138	138	57
12/31/2019	16	133	133	56
12/31/2019	17	133	128	55
12/31/2019	18	150	150	63
12/31/2019	19	133	133	62
12/31/2019	20	133	126	58
12/31/2019	21	133	124	57
12/31/2019	22	133	116	56
12/31/2019	23	131	128	55
12/31/2019	24	123	123	54
01/01/2020	1	117	117	50
01/01/2020	2	116	116	47
01/01/2020	3	115	116	44
01/01/2020	4	105	105	42
01/01/2020	5	95	95	41
01/01/2020	6	91	90	40

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/01/2020	7	79	71	38
01/01/2020	8	87	78	39
01/01/2020	9	84	84	41
01/01/2020	10	111	86	43
01/01/2020	11	100	100	44
01/01/2020	12	115	115	47
01/01/2020	13	116	116	48
01/01/2020	14	128	127	50
01/01/2020	15	130	130	50
01/01/2020	16	125	123	49
01/01/2020	17	125	118	48
01/01/2020	18	133	130	56
01/01/2020	19	133	133	58
01/01/2020	20	133	126	57
01/01/2020	21	133	124	56
01/01/2020	22	131	116	52
01/01/2020	23	131	128	48
01/01/2020	24	111	108	44
01/02/2020	1	102	101	42
01/02/2020	2	90	85	41
01/02/2020	3	84	70	39
01/02/2020	4	79	65	38
01/02/2020	5	79	60	38
01/02/2020	6	79	75	40
01/02/2020	7	79	74	40
01/02/2020	8	99	99	45
01/02/2020	9	132	123	52
01/02/2020	10	132	130	58
01/02/2020	11	135	135	60
01/02/2020	12	135	135	60
01/02/2020	13	136	136	61
01/02/2020	14	136	136	65
01/02/2020	15	138	138	65
01/02/2020	16	133	133	64
01/02/2020	17	132	128	62
01/02/2020	18	135	135	68
01/02/2020	19	135	135	68
01/02/2020	20	135	135	65
01/02/2020	21	135	135	65
01/02/2020	22	129	125	59
01/02/2020	23	129	128	55
01/02/2020	24	123	123	49
01/03/2020	1	117	117	48
01/03/2020	2	116	116	46
01/03/2020	3	115	115	44
01/03/2020	4	114	114	44
01/03/2020	5	114	114	44
01/03/2020	6	117	117	46
01/03/2020	7	117	117	47
01/03/2020	8	120	120	52
01/03/2020	9	132	123	61
01/03/2020	10	150	150	66
01/03/2020	11	150	150	69
01/03/2020	12	150	150	69
01/03/2020	13	150	150	69
01/03/2020	14	150	150	72
01/03/2020	15	150	150	71
01/03/2020	16	150	150	70
01/03/2020	17	150	150	68
01/03/2020	18	150	150	73
01/03/2020	19	150	150	70
01/03/2020	20	150	150	68
01/03/2020	21	150	150	65
01/03/2020	22	150	146	59
01/03/2020	23	129	128	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/03/2020	24	123	123	52
01/04/2020	1	118	118	49
01/04/2020	2	117	117	47
01/04/2020	3	116	116	46
01/04/2020	4	115	115	46
01/04/2020	5	115	115	46
01/04/2020	6	116	116	48
01/04/2020	7	118	118	47
01/04/2020	8	121	121	51
01/04/2020	9	146	120	59
01/04/2020	10	146	128	62
01/04/2020	11	146	132	65
01/04/2020	12	146	130	65
01/04/2020	13	146	130	64
01/04/2020	14	146	130	66
01/04/2020	15	146	130	65
01/04/2020	16	146	130	64
01/04/2020	17	146	130	64
01/04/2020	18	150	145	70
01/04/2020	19	150	140	69
01/04/2020	20	146	130	67
01/04/2020	21	146	130	65
01/04/2020	22	146	125	59
01/04/2020	23	146	125	55
01/04/2020	24	121	121	52
01/05/2020	1	116	116	50
01/05/2020	2	115	115	48
01/05/2020	3	114	114	47
01/05/2020	4	113	113	46
01/05/2020	5	113	113	47
01/05/2020	6	114	114	47
01/05/2020	7	116	116	48
01/05/2020	8	119	119	50
01/05/2020	9	130	120	52
01/05/2020	10	130	120	55
01/05/2020	11	130	121	59
01/05/2020	12	130	121	60
01/05/2020	13	130	123	60
01/05/2020	14	130	130	61
01/05/2020	15	130	124	60
01/05/2020	16	130	122	59
01/05/2020	17	130	120	58
01/05/2020	18	150	150	68
01/05/2020	19	142	142	66
01/05/2020	20	143	120	65
01/05/2020	21	130	119	63
01/05/2020	22	129	112	58
01/05/2020	23	129	146	54
01/05/2020	24	119	119	50
01/06/2020	1	116	116	47
01/06/2020	2	115	115	46
01/06/2020	3	113	113	45
01/06/2020	4	113	113	44
01/06/2020	5	113	113	44
01/06/2020	6	114	114	46
01/06/2020	7	115	115	47
01/06/2020	8	120	120	52
01/06/2020	9	130	122	59
01/06/2020	10	130	121	64
01/06/2020	11	135	135	68
01/06/2020	12	135	135	67
01/06/2020	13	135	135	68
01/06/2020	14	135	135	71
01/06/2020	15	130	125	69
01/06/2020	16	130	124	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/06/2020	17	130	121	67
01/06/2020	18	141	141	73
01/06/2020	19	140	136	71
01/06/2020	20	130	121	67
01/06/2020	21	130	120	64
01/06/2020	22	129	111	58
01/06/2020	23	129	124	55
01/06/2020	24	119	119	50
01/07/2020	1	150	94	49
01/07/2020	2	150	94	47
01/07/2020	3	150	93	45
01/07/2020	4	150	93	44
01/07/2020	5	150	94	46
01/07/2020	6	150	96	48
01/07/2020	7	150	94	48
01/07/2020	8	150	99	52
01/07/2020	9	150	150	62
01/07/2020	10	150	150	66
01/07/2020	11	150	150	70
01/07/2020	12	150	150	69
01/07/2020	13	150	150	69
01/07/2020	14	150	150	71
01/07/2020	15	150	150	68
01/07/2020	16	150	150	68
01/07/2020	17	150	150	68
01/07/2020	18	150	150	71
01/07/2020	19	150	150	68
01/07/2020	20	150	150	64
01/07/2020	21	150	150	60
01/07/2020	22	150	150	57
01/07/2020	23	150	149	50
01/07/2020	24	150	98	48
01/08/2020	1	150	91	48
01/08/2020	2	150	91	46
01/08/2020	3	150	150	44
01/08/2020	4	150	91	44
01/08/2020	5	150	92	46
01/08/2020	6	150	92	50
01/08/2020	7	150	92	47
01/08/2020	8	150	97	53
01/08/2020	9	150	150	62
01/08/2020	10	150	150	68
01/08/2020	11	150	150	71
01/08/2020	12	150	150	70
01/08/2020	13	150	150	71
01/08/2020	14	150	150	71
01/08/2020	15	150	150	70
01/08/2020	16	150	150	69
01/08/2020	17	150	150	67
01/08/2020	18	150	150	72
01/08/2020	19	150	150	69
01/08/2020	20	150	150	67
01/08/2020	21	150	150	63
01/08/2020	22	150	150	59
01/08/2020	23	150	150	55
01/08/2020	24	150	114	51
01/09/2020	1	150	91	48
01/09/2020	2	150	91	46
01/09/2020	3	150	91	45
01/09/2020	4	150	91	44
01/09/2020	5	150	92	47
01/09/2020	6	150	111	51
01/09/2020	7	150	92	47
01/09/2020	8	150	117	51
01/09/2020	9	150	150	61

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/09/2020	10	150	150	67
01/09/2020	11	150	150	70
01/09/2020	12	150	150	69
01/09/2020	13	150	150	69
01/09/2020	14	150	150	72
01/09/2020	15	150	150	70
01/09/2020	16	150	150	69
01/09/2020	17	150	150	67
01/09/2020	18	150	150	73
01/09/2020	19	150	150	69
01/09/2020	20	150	150	67
01/09/2020	21	150	150	63
01/09/2020	22	150	150	58
01/09/2020	23	150	147	55
01/09/2020	24	150	125	50
01/10/2020	1	150	88	48
01/10/2020	2	150	91	46
01/10/2020	3	150	91	45
01/10/2020	4	150	91	44
01/10/2020	5	150	92	47
01/10/2020	6	150	92	49
01/10/2020	7	150	92	47
01/10/2020	8	150	97	51
01/10/2020	9	150	146	61
01/10/2020	10	150	149	66
01/10/2020	11	150	150	69
01/10/2020	12	150	150	68
01/10/2020	13	150	150	69
01/10/2020	14	150	150	70
01/10/2020	15	150	150	69
01/10/2020	16	150	150	68
01/10/2020	17	150	150	67
01/10/2020	18	150	150	72
01/10/2020	19	150	150	68
01/10/2020	20	150	150	66
01/10/2020	21	150	148	63
01/10/2020	22	150	146	59
01/10/2020	23	150	146	53
01/10/2020	24	150	97	50
01/11/2020	1	150	86	46
01/11/2020	2	150	89	44
01/11/2020	3	150	89	43
01/11/2020	4	150	89	43
01/11/2020	5	150	89	43
01/11/2020	6	150	90	46
01/11/2020	7	150	90	46
01/11/2020	8	150	95	50
01/11/2020	9	150	148	56
01/11/2020	10	150	150	60
01/11/2020	11	150	150	64
01/11/2020	12	150	150	64
01/11/2020	13	150	150	64
01/11/2020	14	150	150	66
01/11/2020	15	150	150	65
01/11/2020	16	150	150	64
01/11/2020	17	150	150	62
01/11/2020	18	150	150	67
01/11/2020	19	150	150	66
01/11/2020	20	150	150	64
01/11/2020	21	150	148	60
01/11/2020	22	150	147	55
01/11/2020	23	150	147	51
01/11/2020	24	150	96	48
01/12/2020	1	148	88	47
01/12/2020	2	148	91	45

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/12/2020	3	148	91	44
01/12/2020	4	148	91	43
01/12/2020	5	148	92	43
01/12/2020	6	148	92	44
01/12/2020	7	148	92	45
01/12/2020	8	148	97	47
01/12/2020	9	148	146	51
01/12/2020	10	148	148	54
01/12/2020	11	148	148	57
01/12/2020	12	148	148	58
01/12/2020	13	148	148	58
01/12/2020	14	148	148	59
01/12/2020	15	148	148	58
01/12/2020	16	148	148	58
01/12/2020	17	148	148	58
01/12/2020	18	148	148	65
01/12/2020	19	148	148	65
01/12/2020	20	148	148	64
01/12/2020	21	148	146	60
01/12/2020	22	148	145	57
01/12/2020	23	148	150	52
01/12/2020	24	148	96	48
01/13/2020	1	150	92	47
01/13/2020	2	150	95	44
01/13/2020	3	150	94	43
01/13/2020	4	150	94	43
01/13/2020	5	150	95	45
01/13/2020	6	150	96	50
01/13/2020	7	150	95	46
01/13/2020	8	150	101	52
01/13/2020	9	150	147	61
01/13/2020	10	150	150	67
01/13/2020	11	150	150	70
01/13/2020	12	150	150	69
01/13/2020	13	150	150	69
01/13/2020	14	150	150	71
01/13/2020	15	150	150	70
01/13/2020	16	150	150	69
01/13/2020	17	150	150	67
01/13/2020	18	150	150	71
01/13/2020	19	150	150	68
01/13/2020	20	150	150	67
01/13/2020	21	150	150	63
01/13/2020	22	150	146	58
01/13/2020	23	150	146	53
01/13/2020	24	150	100	50
01/14/2020	1	150	87	47
01/14/2020	2	150	90	46
01/14/2020	3	150	89	45
01/14/2020	4	150	89	46
01/14/2020	5	150	90	47
01/14/2020	6	150	92	51
01/14/2020	7	150	92	48
01/14/2020	8	150	114	54
01/14/2020	9	150	148	61
01/14/2020	10	150	148	66
01/14/2020	11	150	150	69
01/14/2020	12	150	150	68
01/14/2020	13	150	150	67
01/14/2020	14	150	150	69
01/14/2020	15	150	150	68
01/14/2020	16	150	150	67
01/14/2020	17	150	150	66
01/14/2020	18	150	150	70
01/14/2020	19	150	148	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/14/2020	20	150	148	65
01/14/2020	21	150	148	62
01/14/2020	22	150	148	56
01/14/2020	23	150	148	50
01/14/2020	24	150	99	48
01/15/2020	1	150	114	50
01/15/2020	2	150	114	49
01/15/2020	3	150	150	48
01/15/2020	4	150	114	48
01/15/2020	5	150	114	49
01/15/2020	6	150	114	52
01/15/2020	7	150	114	49
01/15/2020	8	150	114	54
01/15/2020	9	150	150	64
01/15/2020	10	150	150	68
01/15/2020	11	150	150	72
01/15/2020	12	150	150	71
01/15/2020	13	150	150	71
01/15/2020	14	150	150	74
01/15/2020	15	150	150	74
01/15/2020	16	150	150	72
01/15/2020	17	150	150	69
01/15/2020	18	150	150	74
01/15/2020	19	150	150	72
01/15/2020	20	150	150	69
01/15/2020	21	150	150	66
01/15/2020	22	150	150	60
01/15/2020	23	150	150	56
01/15/2020	24	150	128	52
01/16/2020	1	150	94	51
01/16/2020	2	150	94	49
01/16/2020	3	150	94	48
01/16/2020	4	150	94	48
01/16/2020	5	150	94	50
01/16/2020	6	150	114	53
01/16/2020	7	150	114	49
01/16/2020	8	150	129	55
01/16/2020	9	150	150	66
01/16/2020	10	150	150	71
01/16/2020	11	150	150	73
01/16/2020	12	150	150	72
01/16/2020	13	150	150	73
01/16/2020	14	150	150	76
01/16/2020	15	150	150	75
01/16/2020	16	150	150	73
01/16/2020	17	150	150	70
01/16/2020	18	150	150	75
01/16/2020	19	150	150	74
01/16/2020	20	150	150	71
01/16/2020	21	150	150	68
01/16/2020	22	150	150	62
01/16/2020	23	150	150	58
01/16/2020	24	150	114	54
01/17/2020	1	150	99	52
01/17/2020	2	150	99	51
01/17/2020	3	150	99	49
01/17/2020	4	150	99	48
01/17/2020	5	150	99	50
01/17/2020	6	150	99	53
01/17/2020	7	150	99	49
01/17/2020	8	150	114	56
01/17/2020	9	150	147	67
01/17/2020	10	150	150	72
01/17/2020	11	150	150	74
01/17/2020	12	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/17/2020	13	150	150	76
01/17/2020	14	150	150	77
01/17/2020	15	150	150	75
01/17/2020	16	150	150	72
01/17/2020	17	150	150	71
01/17/2020	18	150	150	74
01/17/2020	19	150	150	72
01/17/2020	20	150	150	72
01/17/2020	21	150	150	69
01/17/2020	22	150	150	64
01/17/2020	23	150	150	60
01/17/2020	24	150	114	56
01/18/2020	1	150	99	51
01/18/2020	2	150	99	49
01/18/2020	3	150	99	47
01/18/2020	4	150	99	47
01/18/2020	5	150	99	47
01/18/2020	6	150	99	48
01/18/2020	7	150	99	49
01/18/2020	8	150	114	52
01/18/2020	9	150	150	60
01/18/2020	10	150	150	64
01/18/2020	11	150	150	68
01/18/2020	12	150	150	67
01/18/2020	13	150	150	68
01/18/2020	14	150	150	69
01/18/2020	15	150	150	67
01/18/2020	16	150	150	66
01/18/2020	17	150	150	64
01/18/2020	18	150	150	71
01/18/2020	19	150	150	69
01/18/2020	20	150	150	67
01/18/2020	21	150	150	65
01/18/2020	22	150	150	60
01/18/2020	23	150	150	56
01/18/2020	24	150	114	52
01/19/2020	1	150	88	50
01/19/2020	2	150	91	48
01/19/2020	3	150	91	47
01/19/2020	4	150	91	45
01/19/2020	5	150	92	46
01/19/2020	6	150	92	46
01/19/2020	7	150	92	47
01/19/2020	8	150	97	48
01/19/2020	9	150	130	52
01/19/2020	10	150	134	56
01/19/2020	11	150	134	58
01/19/2020	12	150	150	58
01/19/2020	13	150	150	59
01/19/2020	14	150	150	60
01/19/2020	15	150	150	60
01/19/2020	16	150	150	59
01/19/2020	17	150	150	59
01/19/2020	18	150	150	67
01/19/2020	19	150	150	65
01/19/2020	20	150	150	64
01/19/2020	21	150	140	62
01/19/2020	22	150	136	58
01/19/2020	23	150	115	54
01/19/2020	24	150	119	50
01/20/2020	1	150	91	49
01/20/2020	2	150	94	48
01/20/2020	3	150	93	46
01/20/2020	4	150	93	46
01/20/2020	5	150	94	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/20/2020	6	150	95	50
01/20/2020	7	150	94	48
01/20/2020	8	150	114	54
01/20/2020	9	150	142	64
01/20/2020	10	150	150	68
01/20/2020	11	150	150	71
01/20/2020	12	150	150	69
01/20/2020	13	150	150	70
01/20/2020	14	150	150	74
01/20/2020	15	150	150	73
01/20/2020	16	150	150	71
01/20/2020	17	150	150	70
01/20/2020	18	150	150	73
01/20/2020	19	150	150	72
01/20/2020	20	150	150	68
01/20/2020	21	150	150	66
01/20/2020	22	150	130	60
01/20/2020	23	150	130	56
01/20/2020	24	150	114	52
01/21/2020	1	150	90	51
01/21/2020	2	150	93	48
01/21/2020	3	150	93	47
01/21/2020	4	150	93	47
01/21/2020	5	150	93	50
01/21/2020	6	150	93	53
01/21/2020	7	150	93	49
01/21/2020	8	150	98	56
01/21/2020	9	150	150	65
01/21/2020	10	150	150	70
01/21/2020	11	150	150	73
01/21/2020	12	150	150	71
01/21/2020	13	150	150	72
01/21/2020	14	150	150	76
01/21/2020	15	150	150	75
01/21/2020	16	150	150	73
01/21/2020	17	150	150	70
01/21/2020	18	150	150	73
01/21/2020	19	150	150	72
01/21/2020	20	150	150	71
01/21/2020	21	150	150	67
01/21/2020	22	150	150	62
01/21/2020	23	150	148	57
01/21/2020	24	150	98	53
01/22/2020	1	150	94	50
01/22/2020	2	150	97	48
01/22/2020	3	150	150	48
01/22/2020	4	150	96	47
01/22/2020	5	150	96	49
01/22/2020	6	150	96	52
01/22/2020	7	150	96	49
01/22/2020	8	150	96	55
01/22/2020	9	150	150	65
01/22/2020	10	150	150	70
01/22/2020	11	150	150	73
01/22/2020	12	150	150	72
01/22/2020	13	150	150	73
01/22/2020	14	150	150	76
01/22/2020	15	150	150	74
01/22/2020	16	150	150	72
01/22/2020	17	150	150	70
01/22/2020	18	150	150	73
01/22/2020	19	150	150	73
01/22/2020	20	150	150	70
01/22/2020	21	150	150	66
01/22/2020	22	150	147	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/22/2020	23	150	146	56
01/22/2020	24	150	102	52
01/23/2020	1	150	82	48
01/23/2020	2	150	82	48
01/23/2020	3	150	81	46
01/23/2020	4	150	80	46
01/23/2020	5	150	85	48
01/23/2020	6	150	92	52
01/23/2020	7	150	92	48
01/23/2020	8	150	100	53
01/23/2020	9	150	126	63
01/23/2020	10	150	150	69
01/23/2020	11	150	150	72
01/23/2020	12	150	150	71
01/23/2020	13	150	150	71
01/23/2020	14	150	150	75
01/23/2020	15	150	150	73
01/23/2020	16	150	150	71
01/23/2020	17	150	150	69
01/23/2020	18	150	150	70
01/23/2020	19	150	150	71
01/23/2020	20	150	150	69
01/23/2020	21	150	138	66
01/23/2020	22	150	132	60
01/23/2020	23	150	117	54
01/23/2020	24	150	99	51
01/24/2020	1	150	66	49
01/24/2020	2	150	66	48
01/24/2020	3	150	66	47
01/24/2020	4	150	66	46
01/24/2020	5	150	69	48
01/24/2020	6	150	78	52
01/24/2020	7	150	66	49
01/24/2020	8	150	79	53
01/24/2020	9	150	114	61
01/24/2020	10	150	117	66
01/24/2020	11	150	124	69
01/24/2020	12	150	124	69
01/24/2020	13	150	124	69
01/24/2020	14	150	124	71
01/24/2020	15	150	124	70
01/24/2020	16	150	124	69
01/24/2020	17	150	134	68
01/24/2020	18	150	139	71
01/24/2020	19	150	149	73
01/24/2020	20	150	134	69
01/24/2020	21	150	111	65
01/24/2020	22	150	106	60
01/24/2020	23	150	115	57
01/24/2020	24	150	100	52
01/25/2020	1	122	122	49
01/25/2020	2	119	119	47
01/25/2020	3	118	118	47
01/25/2020	4	118	118	46
01/25/2020	5	119	119	47
01/25/2020	6	123	123	47
01/25/2020	7	120	120	48
01/25/2020	8	122	122	51
01/25/2020	9	129	129	59
01/25/2020	10	148	135	62
01/25/2020	11	150	150	66
01/25/2020	12	149	140	65
01/25/2020	13	149	146	66
01/25/2020	14	150	150	68
01/25/2020	15	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/25/2020	16	150	150	66
01/25/2020	17	150	150	62
01/25/2020	18	150	150	69
01/25/2020	19	150	150	70
01/25/2020	20	149	145	67
01/25/2020	21	148	135	65
01/25/2020	22	147	120	57
01/25/2020	23	147	131	53
01/25/2020	24	126	126	49
01/26/2020	1	122	122	48
01/26/2020	2	120	120	46
01/26/2020	3	119	119	45
01/26/2020	4	118	118	44
01/26/2020	5	119	119	44
01/26/2020	6	123	123	44
01/26/2020	7	120	120	45
01/26/2020	8	121	121	47
01/26/2020	9	131	125	50
01/26/2020	10	147	128	54
01/26/2020	11	147	128	56
01/26/2020	12	147	129	58
01/26/2020	13	147	129	59
01/26/2020	14	147	135	61
01/26/2020	15	147	133	60
01/26/2020	16	147	133	60
01/26/2020	17	147	130	57
01/26/2020	18	150	150	64
01/26/2020	19	150	150	65
01/26/2020	20	150	150	64
01/26/2020	21	150	150	63
01/26/2020	22	144	138	58
01/26/2020	23	144	144	54
01/26/2020	24	126	126	49
01/27/2020	1	150	95	49
01/27/2020	2	150	95	47
01/27/2020	3	150	95	46
01/27/2020	4	150	95	45
01/27/2020	5	150	95	46
01/27/2020	6	150	104	51
01/27/2020	7	150	103	52
01/27/2020	8	150	102	54
01/27/2020	9	150	107	62
01/27/2020	10	150	122	67
01/27/2020	11	150	131	70
01/27/2020	12	150	123	69
01/27/2020	13	150	135	70
01/27/2020	14	150	139	74
01/27/2020	15	150	142	73
01/27/2020	16	150	142	72
01/27/2020	17	150	140	67
01/27/2020	18	150	142	72
01/27/2020	19	150	137	68
01/27/2020	20	150	136	66
01/27/2020	21	150	135	64
01/27/2020	22	150	122	60
01/27/2020	23	150	106	56
01/27/2020	24	150	102	53
01/28/2020	1	120	120	49
01/28/2020	2	118	118	47
01/28/2020	3	117	117	47
01/28/2020	4	117	117	46
01/28/2020	5	118	118	48
01/28/2020	6	131	130	52
01/28/2020	7	119	119	48
01/28/2020	8	134	134	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/28/2020	9	148	148	62
01/28/2020	10	150	150	68
01/28/2020	11	150	150	71
01/28/2020	12	150	150	70
01/28/2020	13	150	150	72
01/28/2020	14	150	150	74
01/28/2020	15	150	150	73
01/28/2020	16	150	150	71
01/28/2020	17	150	150	68
01/28/2020	18	150	150	70
01/28/2020	19	150	150	72
01/28/2020	20	150	150	69
01/28/2020	21	150	150	67
01/28/2020	22	145	145	62
01/28/2020	23	150	150	58
01/28/2020	24	133	131	53
01/29/2020	1	121	121	50
01/29/2020	2	119	119	48
01/29/2020	3	117	119	47
01/29/2020	4	117	117	46
01/29/2020	5	118	118	48
01/29/2020	6	124	124	52
01/29/2020	7	120	120	48
01/29/2020	8	132	125	53
01/29/2020	9	150	150	63
01/29/2020	10	150	150	69
01/29/2020	11	150	150	73
01/29/2020	12	150	150	72
01/29/2020	13	150	150	73
01/29/2020	14	150	150	77
01/29/2020	15	150	150	75
01/29/2020	16	150	150	73
01/29/2020	17	150	150	70
01/29/2020	18	150	150	72
01/29/2020	19	150	150	73
01/29/2020	20	150	150	70
01/29/2020	21	150	150	67
01/29/2020	22	150	135	63
01/29/2020	23	148	130	58
01/29/2020	24	125	124	53
01/30/2020	1	138	138	52
01/30/2020	2	135	135	51
01/30/2020	3	127	127	50
01/30/2020	4	120	118	49
01/30/2020	5	135	135	52
01/30/2020	6	136	136	53
01/30/2020	7	122	122	49
01/30/2020	8	138	138	54
01/30/2020	9	150	150	64
01/30/2020	10	150	150	71
01/30/2020	11	150	150	74
01/30/2020	12	150	150	73
01/30/2020	13	150	150	76
01/30/2020	14	150	150	79
01/30/2020	15	150	150	77
01/30/2020	16	150	150	75
01/30/2020	17	150	150	71
01/30/2020	18	150	150	72
01/30/2020	19	150	150	74
01/30/2020	20	150	150	72
01/30/2020	21	150	150	69
01/30/2020	22	150	150	64
01/30/2020	23	147	141	59
01/30/2020	24	131	131	55
01/31/2020	1	139	139	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/31/2020	2	130	127	50
01/31/2020	3	124	124	49
01/31/2020	4	124	124	49
01/31/2020	5	134	134	51
01/31/2020	6	142	142	54
01/31/2020	7	126	126	50
01/31/2020	8	143	143	55
01/31/2020	9	150	150	64
01/31/2020	10	150	150	71
01/31/2020	11	150	150	74
01/31/2020	12	150	150	73
01/31/2020	13	150	150	74
01/31/2020	14	150	150	76
01/31/2020	15	150	150	75
01/31/2020	16	150	150	74
01/31/2020	17	150	150	70
01/31/2020	18	150	150	72
01/31/2020	19	150	150	74
01/31/2020	20	150	150	71
01/31/2020	21	150	150	68
01/31/2020	22	150	150	63
01/31/2020	23	146	144	58
01/31/2020	24	134	134	54
02/01/2020	1	141	141	51
02/01/2020	2	135	135	49
02/01/2020	3	123	123	48
02/01/2020	4	122	122	47
02/01/2020	5	122	122	47
02/01/2020	6	127	127	49
02/01/2020	7	138	138	50
02/01/2020	8	139	139	52
02/01/2020	9	150	150	60
02/01/2020	10	150	150	64
02/01/2020	11	150	150	67
02/01/2020	12	150	150	67
02/01/2020	13	150	150	69
02/01/2020	14	150	150	71
02/01/2020	15	150	150	69
02/01/2020	16	150	150	68
02/01/2020	17	150	150	66
02/01/2020	18	150	150	70
02/01/2020	19	150	150	72
02/01/2020	20	150	150	69
02/01/2020	21	150	150	66
02/01/2020	22	146	141	62
02/01/2020	23	146	138	58
02/01/2020	24	135	135	54
02/02/2020	1	119	119	50
02/02/2020	2	117	117	49
02/02/2020	3	115	115	48
02/02/2020	4	114	114	48
02/02/2020	5	115	115	48
02/02/2020	6	116	116	51
02/02/2020	7	117	117	52
02/02/2020	8	120	120	56
02/02/2020	9	128	128	63
02/02/2020	10	131	131	68
02/02/2020	11	137	137	72
02/02/2020	12	131	131	71
02/02/2020	13	142	142	72
02/02/2020	14	148	148	74
02/02/2020	15	146	145	72
02/02/2020	16	143	143	70
02/02/2020	17	136	135	67
02/02/2020	18	144	144	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/02/2020	19	136	135	67
02/02/2020	20	135	135	66
02/02/2020	21	132	132	63
02/02/2020	22	128	128	60
02/02/2020	23	127	127	55
02/02/2020	24	124	124	52
02/03/2020	1	116	116	48
02/03/2020	2	114	114	46
02/03/2020	3	113	113	44
02/03/2020	4	112	112	44
02/03/2020	5	112	112	46
02/03/2020	6	115	115	49
02/03/2020	7	116	116	50
02/03/2020	8	118	118	54
02/03/2020	9	125	125	61
02/03/2020	10	122	122	66
02/03/2020	11	126	126	69
02/03/2020	12	127	127	68
02/03/2020	13	127	127	69
02/03/2020	14	132	132	71
02/03/2020	15	138	138	70
02/03/2020	16	131	131	68
02/03/2020	17	127	127	65
02/03/2020	18	125	125	66
02/03/2020	19	128	128	65
02/03/2020	20	126	126	64
02/03/2020	21	125	125	61
02/03/2020	22	131	131	57
02/03/2020	23	127	127	55
02/03/2020	24	121	121	51
02/04/2020	1	126	126	52
02/04/2020	2	121	121	50
02/04/2020	3	119	119	49
02/04/2020	4	118	118	48
02/04/2020	5	120	120	51
02/04/2020	6	125	125	53
02/04/2020	7	123	123	49
02/04/2020	8	126	126	54
02/04/2020	9	144	136	64
02/04/2020	10	150	150	71
02/04/2020	11	150	150	74
02/04/2020	12	150	150	73
02/04/2020	13	150	150	74
02/04/2020	14	150	150	78
02/04/2020	15	150	150	77
02/04/2020	16	150	150	75
02/04/2020	17	150	150	71
02/04/2020	18	150	150	72
02/04/2020	19	150	150	73
02/04/2020	20	150	150	71
02/04/2020	21	150	150	68
02/04/2020	22	146	143	63
02/04/2020	23	143	139	58
02/04/2020	24	132	132	54
02/05/2020	1	124	124	48
02/05/2020	2	121	121	47
02/05/2020	3	118	121	44
02/05/2020	4	117	117	44
02/05/2020	5	120	120	45
02/05/2020	6	124	124	50
02/05/2020	7	122	122	47
02/05/2020	8	126	126	51
02/05/2020	9	145	136	62
02/05/2020	10	148	146	67
02/05/2020	11	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/05/2020	12	150	150	70
02/05/2020	13	150	150	70
02/05/2020	14	150	150	75
02/05/2020	15	150	150	73
02/05/2020	16	150	150	72
02/05/2020	17	150	150	70
02/05/2020	18	150	150	71
02/05/2020	19	150	150	73
02/05/2020	20	150	150	69
02/05/2020	21	146	145	66
02/05/2020	22	145	131	61
02/05/2020	23	145	131	55
02/05/2020	24	127	127	52
02/06/2020	1	123	123	48
02/06/2020	2	119	119	46
02/06/2020	3	117	117	44
02/06/2020	4	117	117	44
02/06/2020	5	119	119	47
02/06/2020	6	124	124	52
02/06/2020	7	121	121	49
02/06/2020	8	123	123	52
02/06/2020	9	150	144	62
02/06/2020	10	150	150	67
02/06/2020	11	150	150	71
02/06/2020	12	150	150	70
02/06/2020	13	150	150	70
02/06/2020	14	150	150	75
02/06/2020	15	150	150	74
02/06/2020	16	150	150	73
02/06/2020	17	150	150	69
02/06/2020	18	150	150	71
02/06/2020	19	150	150	72
02/06/2020	20	150	150	68
02/06/2020	21	150	142	66
02/06/2020	22	150	134	60
02/06/2020	23	147	133	55
02/06/2020	24	127	127	51
02/07/2020	1	115	115	50
02/07/2020	2	118	118	49
02/07/2020	3	116	116	48
02/07/2020	4	116	116	47
02/07/2020	5	118	118	49
02/07/2020	6	125	125	52
02/07/2020	7	120	120	48
02/07/2020	8	123	123	53
02/07/2020	9	150	136	64
02/07/2020	10	150	150	69
02/07/2020	11	150	150	72
02/07/2020	12	150	150	72
02/07/2020	13	150	150	71
02/07/2020	14	150	150	75
02/07/2020	15	150	150	74
02/07/2020	16	150	150	73
02/07/2020	17	150	150	69
02/07/2020	18	150	150	70
02/07/2020	19	150	150	72
02/07/2020	20	150	150	69
02/07/2020	21	150	150	67
02/07/2020	22	150	137	62
02/07/2020	23	146	132	59
02/07/2020	24	126	126	54
02/08/2020	1	123	123	51
02/08/2020	2	117	117	49
02/08/2020	3	116	116	48
02/08/2020	4	116	116	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/08/2020	5	118	118	47
02/08/2020	6	121	121	48
02/08/2020	7	119	119	49
02/08/2020	8	124	124	51
02/08/2020	9	129	129	58
02/08/2020	10	145	136	62
02/08/2020	11	149	145	66
02/08/2020	12	149	145	65
02/08/2020	13	149	145	65
02/08/2020	14	149	145	67
02/08/2020	15	149	145	66
02/08/2020	16	149	145	65
02/08/2020	17	149	145	63
02/08/2020	18	149	145	67
02/08/2020	19	145	145	69
02/08/2020	20	145	145	67
02/08/2020	21	145	138	65
02/08/2020	22	144	125	61
02/08/2020	23	144	130	56
02/08/2020	24	125	125	52
02/09/2020	1	134	134	51
02/09/2020	2	132	132	49
02/09/2020	3	126	125	47
02/09/2020	4	116	116	45
02/09/2020	5	118	118	47
02/09/2020	6	121	121	48
02/09/2020	7	119	119	47
02/09/2020	8	124	124	48
02/09/2020	9	127	124	50
02/09/2020	10	134	134	55
02/09/2020	11	137	137	57
02/09/2020	12	134	134	58
02/09/2020	13	137	137	59
02/09/2020	14	145	144	61
02/09/2020	15	144	144	60
02/09/2020	16	139	139	59
02/09/2020	17	142	139	59
02/09/2020	18	150	150	63
02/09/2020	19	150	150	66
02/09/2020	20	150	150	64
02/09/2020	21	143	143	61
02/09/2020	22	136	132	56
02/09/2020	23	130	150	52
02/09/2020	24	125	125	49
02/10/2020	1	119	119	49
02/10/2020	2	117	117	48
02/10/2020	3	116	116	46
02/10/2020	4	116	116	45
02/10/2020	5	118	118	48
02/10/2020	6	121	121	50
02/10/2020	7	119	119	47
02/10/2020	8	124	124	52
02/10/2020	9	137	134	63
02/10/2020	10	150	150	68
02/10/2020	11	150	150	72
02/10/2020	12	150	150	71
02/10/2020	13	150	150	72
02/10/2020	14	150	150	73
02/10/2020	15	150	150	71
02/10/2020	16	150	150	70
02/10/2020	17	150	150	69
02/10/2020	18	150	150	70
02/10/2020	19	150	150	72
02/10/2020	20	150	150	69
02/10/2020	21	138	138	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/10/2020	22	126	121	60
02/10/2020	23	130	130	55
02/10/2020	24	125	125	52
02/11/2020	1	125	125	52
02/11/2020	2	125	125	50
02/11/2020	3	125	125	50
02/11/2020	4	125	125	49
02/11/2020	5	125	125	51
02/11/2020	6	125	125	53
02/11/2020	7	125	125	49
02/11/2020	8	125	125	54
02/11/2020	9	150	150	64
02/11/2020	10	150	150	70
02/11/2020	11	150	150	73
02/11/2020	12	150	150	71
02/11/2020	13	150	150	75
02/11/2020	14	150	150	76
02/11/2020	15	150	150	75
02/11/2020	16	150	150	74
02/11/2020	17	150	150	70
02/11/2020	18	150	150	71
02/11/2020	19	150	150	73
02/11/2020	20	150	150	70
02/11/2020	21	150	150	67
02/11/2020	22	150	148	62
02/11/2020	23	150	150	58
02/11/2020	24	129	129	50
02/12/2020	1	137	137	50
02/12/2020	2	134	134	48
02/12/2020	3	119	134	47
02/12/2020	4	119	119	46
02/12/2020	5	132	131	48
02/12/2020	6	136	136	53
02/12/2020	7	134	134	49
02/12/2020	8	144	144	54
02/12/2020	9	150	150	62
02/12/2020	10	150	150	69
02/12/2020	11	150	150	73
02/12/2020	12	150	150	71
02/12/2020	13	150	150	72
02/12/2020	14	150	150	75
02/12/2020	15	150	150	73
02/12/2020	16	150	150	72
02/12/2020	17	150	150	70
02/12/2020	18	150	150	70
02/12/2020	19	150	150	71
02/12/2020	20	150	150	70
02/12/2020	21	150	150	66
02/12/2020	22	150	150	61
02/12/2020	23	150	150	56
02/12/2020	24	137	137	52
02/13/2020	1	122	122	49
02/13/2020	2	121	121	47
02/13/2020	3	119	119	46
02/13/2020	4	119	119	45
02/13/2020	5	121	121	47
02/13/2020	6	124	124	52
02/13/2020	7	122	122	48
02/13/2020	8	125	125	52
02/13/2020	9	147	147	61
02/13/2020	10	150	150	66
02/13/2020	11	150	150	69
02/13/2020	12	150	150	67
02/13/2020	13	150	150	69
02/13/2020	14	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/13/2020	15	150	150	71
02/13/2020	16	150	150	70
02/13/2020	17	150	150	67
02/13/2020	18	150	150	70
02/13/2020	19	150	150	72
02/13/2020	20	150	150	68
02/13/2020	21	150	150	64
02/13/2020	22	147	145	58
02/13/2020	23	150	150	53
02/13/2020	24	126	126	49
02/14/2020	1	122	122	50
02/14/2020	2	121	121	48
02/14/2020	3	119	119	47
02/14/2020	4	118	118	47
02/14/2020	5	120	120	49
02/14/2020	6	122	122	52
02/14/2020	7	120	120	49
02/14/2020	8	124	124	53
02/14/2020	9	148	148	62
02/14/2020	10	150	150	69
02/14/2020	11	150	150	71
02/14/2020	12	150	150	71
02/14/2020	13	150	150	72
02/14/2020	14	150	150	74
02/14/2020	15	150	150	73
02/14/2020	16	150	150	72
02/14/2020	17	149	147	69
02/14/2020	18	150	150	72
02/14/2020	19	150	150	73
02/14/2020	20	150	150	71
02/14/2020	21	149	149	68
02/14/2020	22	147	144	63
02/14/2020	23	150	150	58
02/14/2020	24	125	125	53
02/15/2020	1	124	124	53
02/15/2020	2	121	121	51
02/15/2020	3	120	120	49
02/15/2020	4	118	118	47
02/15/2020	5	119	119	48
02/15/2020	6	120	120	50
02/15/2020	7	118	118	49
02/15/2020	8	122	122	52
02/15/2020	9	150	150	59
02/15/2020	10	149	133	63
02/15/2020	11	150	150	66
02/15/2020	12	150	150	66
02/15/2020	13	150	150	66
02/15/2020	14	150	150	68
02/15/2020	15	150	150	67
02/15/2020	16	150	150	66
02/15/2020	17	150	150	63
02/15/2020	18	150	150	66
02/15/2020	19	150	150	68
02/15/2020	20	149	135	66
02/15/2020	21	147	134	63
02/15/2020	22	147	145	58
02/15/2020	23	150	150	53
02/15/2020	24	128	128	52
02/16/2020	1	128	128	49
02/16/2020	2	121	121	47
02/16/2020	3	114	114	45
02/16/2020	4	114	114	45
02/16/2020	5	114	114	44
02/16/2020	6	113	113	45
02/16/2020	7	113	113	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/16/2020	8	114	114	47
02/16/2020	9	146	119	51
02/16/2020	10	148	102	54
02/16/2020	11	148	104	57
02/16/2020	12	148	106	59
02/16/2020	13	148	107	59
02/16/2020	14	148	123	59
02/16/2020	15	148	122	59
02/16/2020	16	148	122	59
02/16/2020	17	148	95	57
02/16/2020	18	148	119	62
02/16/2020	19	148	136	65
02/16/2020	20	148	126	64
02/16/2020	21	146	130	62
02/16/2020	22	149	149	57
02/16/2020	23	146	150	53
02/16/2020	24	123	123	50
02/17/2020	1	131	131	48
02/17/2020	2	123	123	47
02/17/2020	3	122	122	45
02/17/2020	4	121	121	45
02/17/2020	5	123	123	47
02/17/2020	6	126	126	50
02/17/2020	7	124	124	46
02/17/2020	8	132	132	50
02/17/2020	9	150	150	61
02/17/2020	10	150	150	68
02/17/2020	11	150	150	70
02/17/2020	12	150	150	69
02/17/2020	13	150	150	69
02/17/2020	14	150	150	72
02/17/2020	15	150	150	71
02/17/2020	16	150	150	70
02/17/2020	17	150	150	69
02/17/2020	18	150	150	71
02/17/2020	19	150	150	71
02/17/2020	20	150	150	69
02/17/2020	21	149	147	65
02/17/2020	22	150	150	60
02/17/2020	23	150	150	55
02/17/2020	24	135	135	52
02/18/2020	1	120	120	48
02/18/2020	2	118	118	46
02/18/2020	3	117	117	45
02/18/2020	4	117	117	45
02/18/2020	5	118	118	47
02/18/2020	6	122	122	51
02/18/2020	7	119	119	48
02/18/2020	8	122	122	52
02/18/2020	9	147	147	61
02/18/2020	10	150	150	67
02/18/2020	11	150	150	69
02/18/2020	12	150	150	69
02/18/2020	13	150	150	70
02/18/2020	14	150	150	73
02/18/2020	15	150	150	72
02/18/2020	16	150	150	70
02/18/2020	17	150	150	67
02/18/2020	18	150	150	69
02/18/2020	19	150	150	70
02/18/2020	20	150	150	67
02/18/2020	21	149	149	63
02/18/2020	22	146	145	58
02/18/2020	23	150	150	54
02/18/2020	24	124	124	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/19/2020	1	120	120	48
02/19/2020	2	119	119	46
02/19/2020	3	118	119	45
02/19/2020	4	117	117	44
02/19/2020	5	118	118	47
02/19/2020	6	122	122	51
02/19/2020	7	119	119	48
02/19/2020	8	122	122	52
02/19/2020	9	149	149	61
02/19/2020	10	150	150	68
02/19/2020	11	150	150	71
02/19/2020	12	150	150	70
02/19/2020	13	150	150	71
02/19/2020	14	150	150	73
02/19/2020	15	150	150	73
02/19/2020	16	150	150	71
02/19/2020	17	150	150	68
02/19/2020	18	150	150	70
02/19/2020	19	150	150	72
02/19/2020	20	150	150	69
02/19/2020	21	150	150	67
02/19/2020	22	146	146	61
02/19/2020	23	150	150	57
02/19/2020	24	127	127	52
02/20/2020	1	123	123	49
02/20/2020	2	121	121	47
02/20/2020	3	120	120	46
02/20/2020	4	119	119	45
02/20/2020	5	121	121	45
02/20/2020	6	125	125	48
02/20/2020	7	121	121	50
02/20/2020	8	123	123	50
02/20/2020	9	150	150	61
02/20/2020	10	150	150	66
02/20/2020	11	150	150	70
02/20/2020	12	150	150	69
02/20/2020	13	150	150	71
02/20/2020	14	150	150	73
02/20/2020	15	150	150	72
02/20/2020	16	150	150	70
02/20/2020	17	150	150	68
02/20/2020	18	150	150	70
02/20/2020	19	150	150	72
02/20/2020	20	150	150	70
02/20/2020	21	150	150	67
02/20/2020	22	146	146	62
02/20/2020	23	150	150	56
02/20/2020	24	126	126	52
02/21/2020	1	124	124	48
02/21/2020	2	121	121	46
02/21/2020	3	120	120	46
02/21/2020	4	119	119	45
02/21/2020	5	121	121	45
02/21/2020	6	125	125	48
02/21/2020	7	122	122	49
02/21/2020	8	125	125	49
02/21/2020	9	150	150	60
02/21/2020	10	150	150	64
02/21/2020	11	150	150	69
02/21/2020	12	150	150	69
02/21/2020	13	150	150	69
02/21/2020	14	150	150	72
02/21/2020	15	150	150	70
02/21/2020	16	150	150	69
02/21/2020	17	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/21/2020	18	150	150	69
02/21/2020	19	150	150	72
02/21/2020	20	150	150	71
02/21/2020	21	150	150	68
02/21/2020	22	147	146	62
02/21/2020	23	150	150	56
02/21/2020	24	127	127	53
02/22/2020	1	121	121	49
02/22/2020	2	119	119	48
02/22/2020	3	118	118	46
02/22/2020	4	117	117	45
02/22/2020	5	117	117	46
02/22/2020	6	119	119	48
02/22/2020	7	120	120	49
02/22/2020	8	122	122	52
02/22/2020	9	148	148	60
02/22/2020	10	150	150	64
02/22/2020	11	150	150	66
02/22/2020	12	150	150	66
02/22/2020	13	150	150	66
02/22/2020	14	150	150	69
02/22/2020	15	150	150	67
02/22/2020	16	150	150	66
02/22/2020	17	150	150	64
02/22/2020	18	150	150	66
02/22/2020	19	150	150	69
02/22/2020	20	150	150	67
02/22/2020	21	150	150	64
02/22/2020	22	150	150	60
02/22/2020	23	150	150	56
02/22/2020	24	150	150	51
02/23/2020	1	114	114	48
02/23/2020	2	114	114	46
02/23/2020	3	112	112	45
02/23/2020	4	110	110	44
02/23/2020	5	110	110	44
02/23/2020	6	113	113	45
02/23/2020	7	113	113	46
02/23/2020	8	115	115	48
02/23/2020	9	134	120	51
02/23/2020	10	134	104	54
02/23/2020	11	134	107	57
02/23/2020	12	134	109	58
02/23/2020	13	134	114	60
02/23/2020	14	134	120	61
02/23/2020	15	134	121	60
02/23/2020	16	134	120	59
02/23/2020	17	134	115	58
02/23/2020	18	140	140	62
02/23/2020	19	140	140	66
02/23/2020	20	140	140	65
02/23/2020	21	140	140	63
02/23/2020	22	132	113	58
02/23/2020	23	132	150	54
02/23/2020	24	117	117	50
02/24/2020	1	120	120	50
02/24/2020	2	118	118	48
02/24/2020	3	116	116	47
02/24/2020	4	115	115	46
02/24/2020	5	115	115	47
02/24/2020	6	118	118	49
02/24/2020	7	120	120	51
02/24/2020	8	121	121	56
02/24/2020	9	126	126	62
02/24/2020	10	123	123	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/24/2020	11	126	126	70
02/24/2020	12	128	128	69
02/24/2020	13	132	131	71
02/24/2020	14	140	140	74
02/24/2020	15	137	137	72
02/24/2020	16	132	132	71
02/24/2020	17	127	127	66
02/24/2020	18	127	127	66
02/24/2020	19	132	132	67
02/24/2020	20	129	129	66
02/24/2020	21	127	127	63
02/24/2020	22	132	132	60
02/24/2020	23	129	129	56
02/24/2020	24	125	125	52
02/25/2020	1	122	122	50
02/25/2020	2	120	120	48
02/25/2020	3	118	118	47
02/25/2020	4	117	117	46
02/25/2020	5	119	119	47
02/25/2020	6	124	124	49
02/25/2020	7	121	121	50
02/25/2020	8	123	123	53
02/25/2020	9	150	150	59
02/25/2020	10	150	150	62
02/25/2020	11	150	150	66
02/25/2020	12	150	150	66
02/25/2020	13	150	150	66
02/25/2020	14	150	150	69
02/25/2020	15	150	150	68
02/25/2020	16	150	150	67
02/25/2020	17	149	149	65
02/25/2020	18	150	150	68
02/25/2020	19	150	150	70
02/25/2020	20	150	150	67
02/25/2020	21	150	150	65
02/25/2020	22	145	145	61
02/25/2020	23	150	150	56
02/25/2020	24	150	150	53
02/26/2020	1	122	122	50
02/26/2020	2	120	120	48
02/26/2020	3	119	120	48
02/26/2020	4	118	118	47
02/26/2020	5	130	130	49
02/26/2020	6	135	135	53
02/26/2020	7	121	121	49
02/26/2020	8	125	125	52
02/26/2020	9	150	150	62
02/26/2020	10	150	150	67
02/26/2020	11	150	150	71
02/26/2020	12	150	150	70
02/26/2020	13	150	150	71
02/26/2020	14	150	150	73
02/26/2020	15	150	150	73
02/26/2020	16	150	150	72
02/26/2020	17	150	150	69
02/26/2020	18	150	150	70
02/26/2020	19	150	150	72
02/26/2020	20	150	150	70
02/26/2020	21	150	150	67
02/26/2020	22	147	146	61
02/26/2020	23	147	146	57
02/26/2020	24	146	127	51
02/27/2020	1	121	121	51
02/27/2020	2	119	119	49
02/27/2020	3	119	119	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/27/2020	4	119	119	47
02/27/2020	5	119	119	50
02/27/2020	6	121	121	53
02/27/2020	7	121	121	50
02/27/2020	8	147	147	54
02/27/2020	9	150	150	63
02/27/2020	10	150	150	69
02/27/2020	11	150	150	72
02/27/2020	12	150	150	72
02/27/2020	13	150	150	72
02/27/2020	14	150	150	75
02/27/2020	15	150	150	75
02/27/2020	16	150	150	73
02/27/2020	17	150	150	69
02/27/2020	18	150	150	71
02/27/2020	19	150	150	72
02/27/2020	20	150	150	70
02/27/2020	21	150	150	68
02/27/2020	22	150	150	62
02/27/2020	23	150	150	57
02/27/2020	24	149	149	54
02/28/2020	1	122	122	51
02/28/2020	2	119	119	49
02/28/2020	3	118	118	48
02/28/2020	4	116	116	48
02/28/2020	5	119	119	49
02/28/2020	6	122	122	51
02/28/2020	7	119	119	49
02/28/2020	8	134	134	55
02/28/2020	9	150	150	64
02/28/2020	10	150	150	68
02/28/2020	11	150	150	71
02/28/2020	12	150	150	71
02/28/2020	13	150	150	72
02/28/2020	14	150	150	75
02/28/2020	15	150	150	74
02/28/2020	16	150	150	74
02/28/2020	17	150	150	69
02/28/2020	18	150	150	70
02/28/2020	19	150	150	72
02/28/2020	20	150	150	69
02/28/2020	21	150	150	68
02/28/2020	22	150	150	62
02/28/2020	23	150	150	57
02/28/2020	24	150	150	53
02/29/2020	1	122	122	50
02/29/2020	2	116	116	49
02/29/2020	3	114	114	47
02/29/2020	4	113	113	47
02/29/2020	5	113	113	47
02/29/2020	6	115	115	48
02/29/2020	7	117	117	49
02/29/2020	8	127	118	53
02/29/2020	9	144	125	58
02/29/2020	10	139	139	61
02/29/2020	11	144	140	65
02/29/2020	12	146	146	65
02/29/2020	13	148	148	65
02/29/2020	14	149	149	67
02/29/2020	15	144	144	66
02/29/2020	16	144	138	65
02/29/2020	17	144	139	63
02/29/2020	18	150	150	68
02/29/2020	19	150	150	70
02/29/2020	20	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/29/2020	21	150	150	65
02/29/2020	22	144	142	61
02/29/2020	23	144	134	56
02/29/2020	24	130	120	52
03/01/2020	1	122	122	50
03/01/2020	2	116	116	48
03/01/2020	3	114	114	46
03/01/2020	4	113	113	46
03/01/2020	5	113	113	46
03/01/2020	6	115	115	47
03/01/2020	7	117	117	48
03/01/2020	8	128	118	49
03/01/2020	9	144	125	52
03/01/2020	10	144	139	56
03/01/2020	11	144	140	58
03/01/2020	12	150	150	59
03/01/2020	13	150	150	61
03/01/2020	14	150	150	62
03/01/2020	15	150	150	61
03/01/2020	16	150	150	60
03/01/2020	17	150	150	59
03/01/2020	18	150	150	62
03/01/2020	19	150	150	66
03/01/2020	20	150	150	65
03/01/2020	21	144	143	63
03/01/2020	22	144	142	60
03/01/2020	23	144	150	54
03/01/2020	24	137	128	53
03/02/2020	1	124	124	50
03/02/2020	2	122	122	48
03/02/2020	3	120	120	47
03/02/2020	4	120	120	46
03/02/2020	5	121	121	49
03/02/2020	6	124	124	53
03/02/2020	7	123	123	49
03/02/2020	8	131	126	55
03/02/2020	9	147	147	64
03/02/2020	10	150	150	70
03/02/2020	11	150	150	73
03/02/2020	12	150	150	72
03/02/2020	13	150	150	73
03/02/2020	14	150	150	75
03/02/2020	15	150	150	74
03/02/2020	16	150	150	73
03/02/2020	17	150	150	70
03/02/2020	18	150	150	70
03/02/2020	19	150	150	73
03/02/2020	20	150	150	70
03/02/2020	21	150	150	68
03/02/2020	22	145	145	62
03/02/2020	23	148	148	58
03/02/2020	24	130	130	53
03/03/2020	1	123	123	49
03/03/2020	2	120	120	47
03/03/2020	3	119	119	46
03/03/2020	4	118	118	46
03/03/2020	5	120	120	47
03/03/2020	6	125	125	50
03/03/2020	7	120	120	48
03/03/2020	8	138	138	52
03/03/2020	9	147	147	61
03/03/2020	10	150	150	66
03/03/2020	11	150	150	69
03/03/2020	12	150	150	67
03/03/2020	13	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/03/2020	14	150	150	73
03/03/2020	15	150	150	72
03/03/2020	16	150	150	71
03/03/2020	17	150	150	68
03/03/2020	18	150	150	69
03/03/2020	19	150	150	70
03/03/2020	20	150	150	68
03/03/2020	21	150	150	66
03/03/2020	22	150	144	60
03/03/2020	23	150	150	56
03/03/2020	24	150	150	53
03/04/2020	1	125	125	49
03/04/2020	2	121	121	47
03/04/2020	3	120	121	46
03/04/2020	4	118	118	45
03/04/2020	5	120	120	48
03/04/2020	6	124	124	51
03/04/2020	7	122	122	49
03/04/2020	8	138	138	55
03/04/2020	9	149	148	64
03/04/2020	10	150	150	68
03/04/2020	11	150	150	72
03/04/2020	12	150	150	71
03/04/2020	13	150	150	71
03/04/2020	14	150	150	73
03/04/2020	15	150	150	72
03/04/2020	16	150	150	72
03/04/2020	17	150	150	69
03/04/2020	18	150	150	69
03/04/2020	19	150	150	71
03/04/2020	20	150	150	68
03/04/2020	21	150	150	66
03/04/2020	22	146	145	61
03/04/2020	23	150	150	57
03/04/2020	24	150	150	52
03/05/2020	1	124	124	49
03/05/2020	2	121	121	48
03/05/2020	3	119	119	46
03/05/2020	4	119	119	46
03/05/2020	5	121	121	49
03/05/2020	6	123	123	51
03/05/2020	7	122	122	48
03/05/2020	8	139	139	53
03/05/2020	9	147	147	62
03/05/2020	10	150	150	66
03/05/2020	11	149	149	70
03/05/2020	12	150	150	70
03/05/2020	13	150	150	72
03/05/2020	14	150	150	74
03/05/2020	15	150	150	73
03/05/2020	16	150	150	72
03/05/2020	17	150	150	68
03/05/2020	18	150	150	70
03/05/2020	19	150	150	72
03/05/2020	20	150	150	70
03/05/2020	21	150	150	66
03/05/2020	22	147	144	60
03/05/2020	23	150	150	56
03/05/2020	24	150	150	52
03/06/2020	1	124	124	50
03/06/2020	2	122	122	48
03/06/2020	3	121	121	47
03/06/2020	4	120	120	46
03/06/2020	5	122	122	48
03/06/2020	6	125	125	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/06/2020	7	123	123	48
03/06/2020	8	139	139	53
03/06/2020	9	150	150	63
03/06/2020	10	150	150	67
03/06/2020	11	150	150	71
03/06/2020	12	150	150	71
03/06/2020	13	150	150	71
03/06/2020	14	150	150	73
03/06/2020	15	150	150	72
03/06/2020	16	150	150	71
03/06/2020	17	150	150	68
03/06/2020	18	150	150	70
03/06/2020	19	150	150	72
03/06/2020	20	150	150	70
03/06/2020	21	150	150	67
03/06/2020	22	147	146	62
03/06/2020	23	150	150	57
03/06/2020	24	150	150	52
03/07/2020	1	126	126	50
03/07/2020	2	124	124	49
03/07/2020	3	122	122	47
03/07/2020	4	122	122	47
03/07/2020	5	123	123	47
03/07/2020	6	126	126	49
03/07/2020	7	125	125	50
03/07/2020	8	140	140	53
03/07/2020	9	150	150	58
03/07/2020	10	150	150	61
03/07/2020	11	149	149	65
03/07/2020	12	150	150	64
03/07/2020	13	150	150	65
03/07/2020	14	150	150	67
03/07/2020	15	150	150	67
03/07/2020	16	150	150	65
03/07/2020	17	150	150	63
03/07/2020	18	150	150	66
03/07/2020	19	150	150	69
03/07/2020	20	150	150	67
03/07/2020	21	150	150	64
03/07/2020	22	147	147	60
03/07/2020	23	150	150	55
03/07/2020	24	150	150	51
03/08/2020	1	126	125	49
03/08/2020	2	116	116	47
03/08/2020	3	114	114	46
03/08/2020	4	113	113	45
03/08/2020	5	113	113	45
03/08/2020	6	115	115	47
03/08/2020	7	117	117	47
03/08/2020	8	140	118	48
03/08/2020	9	147	125	51
03/08/2020	10	149	139	55
03/08/2020	11	149	140	57
03/08/2020	12	149	146	59
03/08/2020	13	150	150	60
03/08/2020	14	150	150	61
03/08/2020	15	150	150	61
03/08/2020	16	150	150	60
03/08/2020	17	150	150	59
03/08/2020	18	150	150	62
03/08/2020	19	150	150	66
03/08/2020	20	150	150	65
03/08/2020	21	150	150	63
03/08/2020	22	150	150	60
03/08/2020	23	149	150	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/08/2020	24	133	120	52
03/09/2020	1	133	131	49
03/09/2020	2	132	130	47
03/09/2020	3	120	120	46
03/09/2020	4	120	120	45
03/09/2020	5	126	126	47
03/09/2020	6	144	144	52
03/09/2020	7	133	133	48
03/09/2020	8	142	141	54
03/09/2020	9	150	150	64
03/09/2020	10	150	150	70
03/09/2020	11	150	150	73
03/09/2020	12	150	150	72
03/09/2020	13	150	150	73
03/09/2020	14	150	150	74
03/09/2020	15	150	150	74
03/09/2020	16	150	150	73
03/09/2020	17	150	150	70
03/09/2020	18	150	150	71
03/09/2020	19	150	150	73
03/09/2020	20	150	150	71
03/09/2020	21	150	150	69
03/09/2020	22	150	150	63
03/09/2020	23	148	148	58
03/09/2020	24	144	140	54
03/10/2020	1	124	124	50
03/10/2020	2	122	122	50
03/10/2020	3	119	119	48
03/10/2020	4	118	118	47
03/10/2020	5	120	120	47
03/10/2020	6	124	124	52
03/10/2020	7	122	122	49
03/10/2020	8	138	138	54
03/10/2020	9	150	150	65
03/10/2020	10	150	150	69
03/10/2020	11	150	150	73
03/10/2020	12	150	150	72
03/10/2020	13	150	150	73
03/10/2020	14	150	150	75
03/10/2020	15	150	150	75
03/10/2020	16	150	150	74
03/10/2020	17	150	150	70
03/10/2020	18	150	150	72
03/10/2020	19	150	150	73
03/10/2020	20	150	150	71
03/10/2020	21	150	150	68
03/10/2020	22	150	150	61
03/10/2020	23	150	150	57
03/10/2020	24	150	150	53
03/11/2020	1	123	123	52
03/11/2020	2	122	122	50
03/11/2020	3	120	122	49
03/11/2020	4	118	118	48
03/11/2020	5	120	120	49
03/11/2020	6	122	122	53
03/11/2020	7	119	119	50
03/11/2020	8	136	136	55
03/11/2020	9	150	150	65
03/11/2020	10	150	150	69
03/11/2020	11	150	150	73
03/11/2020	12	150	150	72
03/11/2020	13	150	150	74
03/11/2020	14	150	150	77
03/11/2020	15	150	150	77
03/11/2020	16	150	150	75

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/11/2020	17	150	150	72
03/11/2020	18	150	150	72
03/11/2020	19	150	150	74
03/11/2020	20	150	150	73
03/11/2020	21	150	150	70
03/11/2020	22	149	149	65
03/11/2020	23	150	150	60
03/11/2020	24	150	150	56
03/12/2020	1	127	127	50
03/12/2020	2	125	125	48
03/12/2020	3	123	123	46
03/12/2020	4	123	123	46
03/12/2020	5	125	125	48
03/12/2020	6	127	127	51
03/12/2020	7	130	130	48
03/12/2020	8	150	150	54
03/12/2020	9	150	150	64
03/12/2020	10	150	150	69
03/12/2020	11	150	150	73
03/12/2020	12	150	150	72
03/12/2020	13	150	150	74
03/12/2020	14	150	150	77
03/12/2020	15	150	150	76
03/12/2020	16	150	150	74
03/12/2020	17	150	150	70
03/12/2020	18	150	150	70
03/12/2020	19	150	150	73
03/12/2020	20	150	150	70
03/12/2020	21	150	150	67
03/12/2020	22	150	150	61
03/12/2020	23	150	150	58
03/12/2020	24	150	150	53
03/13/2020	1	124	124	49
03/13/2020	2	122	122	46
03/13/2020	3	120	120	46
03/13/2020	4	120	120	46
03/13/2020	5	122	122	48
03/13/2020	6	126	126	51
03/13/2020	7	122	122	48
03/13/2020	8	138	138	54
03/13/2020	9	150	150	64
03/13/2020	10	150	150	69
03/13/2020	11	150	150	73
03/13/2020	12	150	150	73
03/13/2020	13	150	150	73
03/13/2020	14	150	150	75
03/13/2020	15	150	150	74
03/13/2020	16	150	150	73
03/13/2020	17	150	150	69
03/13/2020	18	150	150	70
03/13/2020	19	150	150	73
03/13/2020	20	150	150	71
03/13/2020	21	150	150	68
03/13/2020	22	150	150	62
03/13/2020	23	150	150	57
03/13/2020	24	150	150	54
04/20/2020	1	130	130	54
04/20/2020	2	128	128	52
04/20/2020	3	126	126	51
04/20/2020	4	124	124	49
04/20/2020	5	125	125	49
04/20/2020	6	127	127	54
04/20/2020	7	127	127	53
04/20/2020	8	131	131	59
04/20/2020	9	145	140	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/20/2020	10	145	135	73
04/20/2020	11	150	150	77
04/20/2020	12	150	150	77
04/20/2020	13	150	150	77
04/20/2020	14	150	150	79
04/20/2020	15	150	150	77
04/20/2020	16	146	140	74
04/20/2020	17	146	135	70
04/20/2020	18	150	150	70
04/20/2020	19	146	140	71
04/20/2020	20	145	137	68
04/20/2020	21	145	133	66
04/20/2020	22	131	131	63
04/20/2020	23	143	143	58
04/20/2020	24	136	136	56
05/04/2020	1	132	132	55
05/04/2020	2	130	130	53
05/04/2020	3	127	127	52
05/04/2020	4	125	125	51
05/04/2020	5	124	124	52
05/04/2020	6	126	126	54
05/04/2020	7	127	127	53
05/04/2020	8	132	132	60
05/04/2020	9	148	144	68
05/04/2020	10	150	150	74
05/04/2020	11	150	150	76
05/04/2020	12	150	150	77
05/04/2020	13	150	150	77
05/04/2020	14	150	150	79
05/04/2020	15	150	150	78
05/04/2020	16	150	150	75
05/04/2020	17	150	150	71
05/04/2020	18	150	150	70
05/04/2020	19	150	150	71
05/04/2020	20	150	150	70
05/04/2020	21	149	149	68
05/04/2020	22	136	136	65
05/04/2020	23	141	141	61
05/04/2020	24	135	135	58
06/02/2020	1	125	125	53
06/02/2020	2	123	123	51
06/02/2020	3	122	122	50
06/02/2020	4	121	121	48
06/02/2020	5	119	119	48
06/02/2020	6	121	121	48
06/02/2020	7	123	123	50
06/02/2020	8	141	141	57
06/02/2020	9	150	150	64
06/02/2020	10	150	150	68
06/02/2020	11	150	150	72
06/02/2020	12	150	150	72
06/02/2020	13	150	150	73
06/02/2020	14	150	150	74
06/02/2020	15	150	150	73
06/02/2020	16	150	150	70
06/02/2020	17	150	150	62
06/02/2020	18	150	150	63
06/02/2020	19	150	150	66
06/02/2020	20	150	150	66
06/02/2020	21	150	150	66
06/02/2020	22	148	148	62
06/02/2020	23	150	150	58
06/02/2020	24	140	140	56
06/03/2020	1	129	129	52
06/03/2020	2	127	127	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/03/2020	3	125	125	49
06/03/2020	4	124	124	48
06/03/2020	5	122	122	48
06/03/2020	6	123	123	49
06/03/2020	7	124	124	50
06/03/2020	8	140	140	56
06/03/2020	9	150	150	63
06/03/2020	10	150	150	67
06/03/2020	11	150	150	71
06/03/2020	12	150	150	70
06/03/2020	13	150	150	72
06/03/2020	14	150	150	74
06/03/2020	15	150	150	70
06/03/2020	16	150	150	67
06/03/2020	17	148	148	61
06/03/2020	18	149	149	62
06/03/2020	19	150	150	63
06/03/2020	20	150	150	63
06/03/2020	21	150	150	63
06/03/2020	22	148	148	59
06/03/2020	23	150	150	55
06/03/2020	24	142	142	53
06/04/2020	1	128	128	50
06/04/2020	2	126	126	48
06/04/2020	3	125	125	47
06/04/2020	4	123	123	45
06/04/2020	5	122	122	46
06/04/2020	6	123	123	47
06/04/2020	7	124	124	48
06/04/2020	8	139	139	53
06/04/2020	9	150	150	61
06/04/2020	10	150	150	65
06/04/2020	11	150	150	68
06/04/2020	12	150	150	67
06/04/2020	13	150	150	68
06/04/2020	14	150	150	72
06/04/2020	15	150	150	68
06/04/2020	16	150	150	66
06/04/2020	17	150	150	61
06/04/2020	18	150	150	61
06/04/2020	19	150	150	63
06/04/2020	20	150	150	62
06/04/2020	21	150	150	61
06/04/2020	22	147	147	58
06/04/2020	23	150	150	54
06/04/2020	24	142	142	51
06/05/2020	1	129	129	53
06/05/2020	2	128	128	51
06/05/2020	3	127	127	49
06/05/2020	4	126	126	48
06/05/2020	5	123	123	48
06/05/2020	6	125	125	49
06/05/2020	7	126	126	50
06/05/2020	8	141	141	55
06/05/2020	9	150	150	62
06/05/2020	10	150	150	66
06/05/2020	11	150	150	70
06/05/2020	12	150	150	69
06/05/2020	13	150	150	71
06/05/2020	14	150	150	73
06/05/2020	15	150	150	71
06/05/2020	16	150	150	67
06/05/2020	17	149	149	61
06/05/2020	18	150	150	62
06/05/2020	19	150	150	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/05/2020	20	150	150	66
06/05/2020	21	150	150	64
06/05/2020	22	147	145	60
06/05/2020	23	150	150	56
06/05/2020	24	142	142	54
06/06/2020	1	130	130	52
06/06/2020	2	128	128	50
06/06/2020	3	128	128	49
06/06/2020	4	126	126	48
06/06/2020	5	125	125	49
06/06/2020	6	121	121	49
06/06/2020	7	121	121	50
06/06/2020	8	129	129	53
06/06/2020	9	145	145	56
06/06/2020	10	147	147	60
06/06/2020	11	150	150	63
06/06/2020	12	150	150	64
06/06/2020	13	150	150	66
06/06/2020	14	150	150	67
06/06/2020	15	150	150	66
06/06/2020	16	150	150	63
06/06/2020	17	150	150	60
06/06/2020	18	150	150	63
06/06/2020	19	150	150	65
06/06/2020	20	150	150	65
06/06/2020	21	150	150	64
06/06/2020	22	147	147	61
06/06/2020	23	150	150	58
06/06/2020	24	141	141	54
06/07/2020	1	127	127	52
06/07/2020	2	126	126	51
06/07/2020	3	125	125	49
06/07/2020	4	124	124	48
06/07/2020	5	122	122	47
06/07/2020	6	122	122	46
06/07/2020	7	126	121	47
06/07/2020	8	133	133	49
06/07/2020	9	150	150	50
06/07/2020	10	150	150	53
06/07/2020	11	150	150	55
06/07/2020	12	150	150	57
06/07/2020	13	150	150	57
06/07/2020	14	150	150	58
06/07/2020	15	150	150	56
06/07/2020	16	150	150	54
06/07/2020	17	150	150	54
06/07/2020	18	150	150	56
06/07/2020	19	150	150	62
06/07/2020	20	150	150	62
06/07/2020	21	150	150	61
06/07/2020	22	150	150	58
06/07/2020	23	150		54
06/07/2020	24	144	138	51
06/08/2020	1	130	130	52
06/08/2020	2	128	128	50
06/08/2020	3	126	126	49
06/08/2020	4	126	126	47
06/08/2020	5	123	123	47
06/08/2020	6	126	126	48
06/08/2020	7	126	126	50
06/08/2020	8	140	140	55
06/08/2020	9	150	150	61
06/08/2020	10	150	150	65
06/08/2020	11	150	150	69
06/08/2020	12	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/08/2020	13	150	150	69
06/08/2020	14	150	150	72
06/08/2020	15	150	150	70
06/08/2020	16	150	150	66
06/08/2020	17	150	150	61
06/08/2020	18	150	150	63
06/08/2020	19	150	150	65
06/08/2020	20	150	150	65
06/08/2020	21	148	148	64
06/08/2020	22	145	143	61
06/08/2020	23	150	150	57
06/08/2020	24	145	140	54
06/09/2020	1	128	128	52
06/09/2020	2	127	127	51
06/09/2020	3	125	125	49
06/09/2020	4	126	126	48
06/09/2020	5	125	125	48
06/09/2020	6	125	125	49
06/09/2020	7	125	125	50
06/09/2020	8	141	141	56
06/09/2020	9	150	150	64
06/09/2020	10	150	150	68
06/09/2020	11	150	150	71
06/09/2020	12	150	150	71
06/09/2020	13	150	150	72
06/09/2020	14	150	150	73
06/09/2020	15	150	150	71
06/09/2020	16	150	150	68
06/09/2020	17	150	150	63
06/09/2020	18	150	150	64
06/09/2020	19	148	148	66
06/09/2020	20	148	148	66
06/09/2020	21	147	147	64
06/09/2020	22	145	145	62
06/09/2020	23	150	150	58
06/09/2020	24	139	139	54
06/10/2020	1	125	125	51
06/10/2020	2	125	125	49
06/10/2020	3	124	124	47
06/10/2020	4	123	123	47
06/10/2020	5	123	123	47
06/10/2020	6	125	125	48
06/10/2020	7	125	125	49
06/10/2020	8	141	141	55
06/10/2020	9	150	150	63
06/10/2020	10	150	150	66
06/10/2020	11	150	150	70
06/10/2020	12	150	150	69
06/10/2020	13	150	150	71
06/10/2020	14	150	150	73
06/10/2020	15	150	150	70
06/10/2020	16	150	150	67
06/10/2020	17	150	150	62
06/10/2020	18	150	150	61
06/10/2020	19	148	148	63
06/10/2020	20	148	148	62
06/10/2020	21	147	147	62
06/10/2020	22	147	145	59
06/10/2020	23	150	150	55
06/10/2020	24	138	138	51
06/11/2020	1	126	126	50
06/11/2020	2	126	126	48
06/11/2020	3	124	124	47
06/11/2020	4	124	124	46
06/11/2020	5	123	123	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/11/2020	6	125	125	47
06/11/2020	7	125	125	48
06/11/2020	8	142	142	54
06/11/2020	9	150	150	61
06/11/2020	10	150	150	65
06/11/2020	11	150	150	68
06/11/2020	12	150	150	68
06/11/2020	13	150	150	70
06/11/2020	14	150	150	72
06/11/2020	15	150	150	69
06/11/2020	16	150	150	66
06/11/2020	17	150	150	61
06/11/2020	18	150	150	62
06/11/2020	19	148	148	63
06/11/2020	20	148	147	64
06/11/2020	21	148	147	62
06/11/2020	22	148	145	58
06/11/2020	23	150	150	55
06/11/2020	24	139	139	52
06/12/2020	1	126	126	49
06/12/2020	2	125	125	47
06/12/2020	3	124	124	46
06/12/2020	4	123	123	46
06/12/2020	5	123	123	46
06/12/2020	6	125	125	46
06/12/2020	7	125	125	47
06/12/2020	8	141	141	50
06/12/2020	9	150	150	55
06/12/2020	10	150	150	59
06/12/2020	11	150	150	63
06/12/2020	12	150	150	62
06/12/2020	13	150	150	63
06/12/2020	14	150	150	65
06/12/2020	15	150	150	64
06/12/2020	16	150	150	62
06/12/2020	17	150	150	58
06/12/2020	18	150	150	61
06/12/2020	19	148	148	64
06/12/2020	20	148	147	63
06/12/2020	21	147	147	62
06/12/2020	22	148	145	58
06/12/2020	23	150		56
06/12/2020	24	139	139	52
06/13/2020	1	127	127	51
06/13/2020	2	126	126	48
06/13/2020	3	125	125	47
06/13/2020	4	125	125	48
06/13/2020	5	125	125	47
06/13/2020	6	126	126	48
06/13/2020	7	126	126	48
06/13/2020	8	143	143	52
06/13/2020	9	150	150	56
06/13/2020	10	150	150	60
06/13/2020	11	150	150	62
06/13/2020	12	150	150	62
06/13/2020	13	150	150	64
06/13/2020	14	150	150	65
06/13/2020	15	150	150	64
06/13/2020	16	150	150	61
06/13/2020	17	150	150	57
06/13/2020	18	150	150	61
06/13/2020	19	149	149	63
06/13/2020	20	148	148	62
06/13/2020	21	148	148	61
06/13/2020	22	148	146	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/13/2020	23	150	150	55
06/13/2020	24	140	140	52
06/14/2020	1	127	127	51
06/14/2020	2	126	126	49
06/14/2020	3	125	125	48
06/14/2020	4	125	125	46
06/14/2020	5	125	125	46
06/14/2020	6	126	126	46
06/14/2020	7	126	126	47
06/14/2020	8	127	127	46
06/14/2020	9	141	141	49
06/14/2020	10	150	150	53
06/14/2020	11	150	150	55
06/14/2020	12	150	150	56
06/14/2020	13	150	150	56
06/14/2020	14	150	150	57
06/14/2020	15	150	150	54
06/14/2020	16	150	150	53
06/14/2020	17	150	150	53
06/14/2020	18	150	150	56
06/14/2020	19	149	149	58
06/14/2020	20	148	148	59
06/14/2020	21	148	148	57
06/14/2020	22	148	146	55
06/14/2020	23	150		52
06/14/2020	24	140	140	49
06/15/2020	1	127	127	48
06/15/2020	2	126	126	48
06/15/2020	3	125	125	46
06/15/2020	4	125	125	46
06/15/2020	5	125	125	46
06/15/2020	6	126	126	47
06/15/2020	7	126	126	47
06/15/2020	8	143	143	54
06/15/2020	9	149	149	60
06/15/2020	10	150	150	64
06/15/2020	11	150	150	68
06/15/2020	12	150	150	67
06/15/2020	13	150	150	68
06/15/2020	14	150	150	71
06/15/2020	15	150	150	68
06/15/2020	16	150	150	65
06/15/2020	17	150	150	60
06/15/2020	18	150	150	60
06/15/2020	19	150	150	63
06/15/2020	20	148	148	64
06/15/2020	21	148	148	62
06/15/2020	22	147	146	59
06/15/2020	23	149	149	55
06/15/2020	24	140	140	51
06/16/2020	1	127	127	51
06/16/2020	2	126	126	49
06/16/2020	3	125	125	48
06/16/2020	4	125	125	47
06/16/2020	5	125	125	48
06/16/2020	6	126	126	49
06/16/2020	7	126	126	49
06/16/2020	8	143	143	55
06/16/2020	9	150	150	64
06/16/2020	10	150	150	67
06/16/2020	11	150	150	71
06/16/2020	12	150	150	71
06/16/2020	13	150	150	72
06/16/2020	14	150	150	73
06/16/2020	15	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/16/2020	16	150	150	69
06/16/2020	17	150	150	63
06/16/2020	18	150	150	62
06/16/2020	19	150	150	66
06/16/2020	20	148	148	65
06/16/2020	21	148	148	63
06/16/2020	22	148	146	61
06/16/2020	23	150	150	57
06/16/2020	24	140	140	53
06/17/2020	1	125	125	48
06/17/2020	2	124	124	46
06/17/2020	3	118	118	45
06/17/2020	4	118	117	44
06/17/2020	5	121	121	45
06/17/2020	6	123	123	47
06/17/2020	7	123	123	47
06/17/2020	8	141	141	53
06/17/2020	9	150	150	60
06/17/2020	10	150	150	64
06/17/2020	11	150	150	68
06/17/2020	12	150	150	67
06/17/2020	13	150	150	68
06/17/2020	14	150	150	70
06/17/2020	15	150	150	68
06/17/2020	16	150	150	65
06/17/2020	17	150	150	61
06/17/2020	18	150	150	61
06/17/2020	19	149	149	62
06/17/2020	20	149	149	61
06/17/2020	21	148	148	59
06/17/2020	22	146	135	55
06/17/2020	23	147	147	53
06/17/2020	24	130	130	50
06/18/2020	1	121	121	48
06/18/2020	2	120	120	46
06/18/2020	3	119	119	45
06/18/2020	4	118	118	45
06/18/2020	5	118	118	46
06/18/2020	6	119	119	47
06/18/2020	7	119	119	48
06/18/2020	8	135	135	53
06/18/2020	9	150	150	60
06/18/2020	10	150	150	64
06/18/2020	11	150	150	68
06/18/2020	12	150	150	67
06/18/2020	13	150	150	67
06/18/2020	14	150	150	70
06/18/2020	15	150	150	70
06/18/2020	16	150	150	68
06/18/2020	17	150	150	64
06/18/2020	18	150	150	61
06/18/2020	19	148	145	64
06/18/2020	20	148	146	64
06/18/2020	21	148	145	63
06/18/2020	22	147	140	59
06/18/2020	23	150	150	55
06/18/2020	24	133	133	52
06/19/2020	1	124	124	51
06/19/2020	2	122	122	49
06/19/2020	3	120	120	47
06/19/2020	4	120	120	46
06/19/2020	5	120	120	47
06/19/2020	6	120	120	47
06/19/2020	7	121	121	49
06/19/2020	8	138	138	55

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/19/2020	9	150	150	62
06/19/2020	10	150	150	66
06/19/2020	11	150	150	70
06/19/2020	12	150	150	70
06/19/2020	13	150	150	71
06/19/2020	14	150	150	72
06/19/2020	15	150	150	71
06/19/2020	16	150	150	69
06/19/2020	17	150	150	64
06/19/2020	18	150	150	65
06/19/2020	19	148	146	65
06/19/2020	20	148	147	65
06/19/2020	21	148	144	64
06/19/2020	22	148	141	61
06/19/2020	23	150	150	57
06/19/2020	24	135	135	55
06/20/2020	1	125	125	52
06/20/2020	2	124	124	50
06/20/2020	3	121	121	49
06/20/2020	4	120	120	47
06/20/2020	5	119	119	47
06/20/2020	6	120	120	47
06/20/2020	7	120	120	48
06/20/2020	8	139	139	50
06/20/2020	9	150	150	55
06/20/2020	10	150	150	58
06/20/2020	11	150	150	62
06/20/2020	12	150	150	62
06/20/2020	13	150	150	64
06/20/2020	14	150	150	67
06/20/2020	15	150	150	65
06/20/2020	16	150	150	64
06/20/2020	17	150	150	61
06/20/2020	18	150	150	62
06/20/2020	19	147	145	64
06/20/2020	20	147	147	63
06/20/2020	21	147	146	63
06/20/2020	22	147	142	59
06/20/2020	23	150	150	56
06/20/2020	24	135	135	53
06/21/2020	1	125	125	50
06/21/2020	2	124	124	49
06/21/2020	3	121	121	47
06/21/2020	4	116	115	46
06/21/2020	5	116	115	46
06/21/2020	6	115	115	46
06/21/2020	7	113	113	47
06/21/2020	8	105	105	46
06/21/2020	9	116	115	49
06/21/2020	10	145	118	51
06/21/2020	11	147	146	53
06/21/2020	12	150	150	54
06/21/2020	13	150	150	53
06/21/2020	14	150	150	54
06/21/2020	15	150	150	52
06/21/2020	16	150	150	51
06/21/2020	17	150	150	52
06/21/2020	18	150	150	54
06/21/2020	19	147	145	57
06/21/2020	20	147	147	57
06/21/2020	21	147	146	55
06/21/2020	22	147	142	52
06/21/2020	23	146	121	49
06/21/2020	24	111	105	46
06/22/2020	1	125	125	50

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/22/2020	2	124	124	48
06/22/2020	3	119	119	47
06/22/2020	4	115	115	45
06/22/2020	5	115	115	45
06/22/2020	6	115	115	46
06/22/2020	7	120	119	47
06/22/2020	8	139	139	52
06/22/2020	9	150	150	59
06/22/2020	10	150	150	63
06/22/2020	11	150	150	67
06/22/2020	12	150	150	66
06/22/2020	13	150	150	67
06/22/2020	14	150	150	71
06/22/2020	15	150	150	67
06/22/2020	16	150	150	64
06/22/2020	17	150	150	60
06/22/2020	18	150	150	61
06/22/2020	19	147	145	63
06/22/2020	20	147	147	63
06/22/2020	21	147	146	62
06/22/2020	22	147	142	59
06/22/2020	23	150	150	56
06/22/2020	24	135	135	53
06/23/2020	1	123	123	50
06/23/2020	2	122	122	50
06/23/2020	3	121	121	48
06/23/2020	4	120	120	47
06/23/2020	5	120	120	46
06/23/2020	6	122	122	48
06/23/2020	7	121	121	49
06/23/2020	8	136	136	54
06/23/2020	9	150	150	63
06/23/2020	10	148	148	66
06/23/2020	11	150	150	70
06/23/2020	12	150	150	70
06/23/2020	13	150	150	71
06/23/2020	14	150	150	73
06/23/2020	15	150	150	72
06/23/2020	16	150	150	69
06/23/2020	17	149	149	64
06/23/2020	18	147	144	63
06/23/2020	19	148	146	64
06/23/2020	20	148	145	64
06/23/2020	21	148	145	63
06/23/2020	22	148	142	59
06/23/2020	23	150	150	55
06/23/2020	24	134	134	53
06/24/2020	1	126	126	52
06/24/2020	2	125	125	50
06/24/2020	3	123	123	48
06/24/2020	4	122	122	48
06/24/2020	5	122	122	48
06/24/2020	6	124	124	49
06/24/2020	7	124	124	49
06/24/2020	8	139	139	56
06/24/2020	9	150	150	64
06/24/2020	10	150	150	68
06/24/2020	11	150	150	72
06/24/2020	12	150	150	71
06/24/2020	13	150	150	72
06/24/2020	14	150	150	75
06/24/2020	15	150	150	72
06/24/2020	16	150	150	69
06/24/2020	17	150	150	65
06/24/2020	18	150	150	64

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/24/2020	19	150	150	67
06/24/2020	20	148	148	65
06/24/2020	21	147	147	64
06/24/2020	22	144	144	61
06/24/2020	23	150	150	57
06/24/2020	24	136	136	53
06/25/2020	1	128	128	52
06/25/2020	2	127	127	51
06/25/2020	3	124	124	49
06/25/2020	4	124	124	48
06/25/2020	5	124	124	49
06/25/2020	6	126	126	50
06/25/2020	7	126	126	51
06/25/2020	8	142	142	56
06/25/2020	9	150	150	65
06/25/2020	10	150	150	70
06/25/2020	11	150	150	73
06/25/2020	12	150	150	72
06/25/2020	13	150	150	70
06/25/2020	14	150	150	74
06/25/2020	15	150	150	71
06/25/2020	16	150	150	68
06/25/2020	17	150	150	65
06/25/2020	18	150	150	64
06/25/2020	19	150	150	66
06/25/2020	20	150	150	65
06/25/2020	21	146	146	63
06/25/2020	22	145	145	60
06/25/2020	23	150	150	57
06/25/2020	24	140	138	52
06/26/2020	1	125	125	52
06/26/2020	2	124	124	51
06/26/2020	3	121	121	48
06/26/2020	4	119	119	48
06/26/2020	5	119	119	48
06/26/2020	6	120	120	49
06/26/2020	7	120	120	50
06/26/2020	8	139	139	56
06/26/2020	9	150	150	64
06/26/2020	10	150	150	68
06/26/2020	11	150	150	71
06/26/2020	12	150	150	71
06/26/2020	13	150	150	71
06/26/2020	14	150	150	74
06/26/2020	15	150	150	72
06/26/2020	16	150	150	69
06/26/2020	17	150	150	65
06/26/2020	18	150	150	62
06/26/2020	19	148	148	66
06/26/2020	20	149	149	66
06/26/2020	21	148	148	64
06/26/2020	22	145	144	62
06/26/2020	23	150	150	58
06/26/2020	24	135	135	54
06/27/2020	1	126	126	48
06/27/2020	2	125	125	47
06/27/2020	3	122	122	46
06/27/2020	4	121	121	45
06/27/2020	5	120	120	46
06/27/2020	6	122	122	46
06/27/2020	7	122	122	47
06/27/2020	8	130	130	50
06/27/2020	9	143	143	54
06/27/2020	10	150	150	58
06/27/2020	11	150	150	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/27/2020	12	150	150	61
06/27/2020	13	150	150	62
06/27/2020	14	150	150	64
06/27/2020	15	150	150	64
06/27/2020	16	150	150	61
06/27/2020	17	150	150	58
06/27/2020	18	150	150	60
06/27/2020	19	149	149	64
06/27/2020	20	150	150	62
06/27/2020	21	149	149	61
06/27/2020	22	145	145	58
06/27/2020	23	141	141	54
06/27/2020	24	126	126	52
06/28/2020	1	125	125	49
06/28/2020	2	123	123	48
06/28/2020	3	123	123	47
06/28/2020	4	122	122	46
06/28/2020	5	121	121	46
06/28/2020	6	121	121	45
06/28/2020	7	121	121	46
06/28/2020	8	110	110	46
06/28/2020	9	124	124	49
06/28/2020	10	123	123	51
06/28/2020	11	132	132	54
06/28/2020	12	130	130	54
06/28/2020	13	135	135	54
06/28/2020	14	137	136	55
06/28/2020	15	137	136	54
06/28/2020	16	137	137	53
06/28/2020	17	137	137	53
06/28/2020	18	138	138	53
06/28/2020	19	147	147	57
06/28/2020	20	143	143	56
06/28/2020	21	142	142	55
06/28/2020	22	140	140	54
06/28/2020	23	140	139	51
06/28/2020	24	124	123	47
06/29/2020	1	109	108	46
06/29/2020	2	105	105	45
06/29/2020	3	103	103	45
06/29/2020	4	100	100	44
06/29/2020	5	94	94	43
06/29/2020	6	103	103	45
06/29/2020	7	115	115	47
06/29/2020	8	139	139	53
06/29/2020	9	150	150	62
06/29/2020	10	150	150	67
06/29/2020	11	150	150	71
06/29/2020	12	150	150	69
06/29/2020	13	150	150	70
06/29/2020	14	150	150	74
06/29/2020	15	150	150	72
06/29/2020	16	150	150	68
06/29/2020	17	150	150	63
06/29/2020	18	150	150	62
06/29/2020	19	150	150	65
06/29/2020	20	150	150	65
06/29/2020	21	150	150	63
06/29/2020	22	143	143	60
06/29/2020	23	150	150	55
06/29/2020	24	137	137	51
06/30/2020	1	121	121	52
06/30/2020	2	119	119	50
06/30/2020	3	117	117	48
06/30/2020	4	117	117	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/30/2020	5	116	116	48
06/30/2020	6	118	118	49
06/30/2020	7	119	119	49
06/30/2020	8	125	125	56
06/30/2020	9	140	140	64
06/30/2020	10	150	150	67
06/30/2020	11	150	150	71
06/30/2020	12	150	150	70
06/30/2020	13	150	150	72
06/30/2020	14	150	150	74
06/30/2020	15	150	150	73
06/30/2020	16	150	150	71
06/30/2020	17	150	150	65
06/30/2020	18	149	149	63
06/30/2020	19	145	145	67
06/30/2020	20	146	146	66
06/30/2020	21	145	145	65
06/30/2020	22	144	144	61
06/30/2020	23	142	142	58
06/30/2020	24	128	128	54
07/01/2020	1	119	119	49
07/01/2020	2	118	118	48
07/01/2020	3	115	115	47
07/01/2020	4	114	114	46
07/01/2020	5	113	113	47
07/01/2020	6	116	116	49
07/01/2020	7	117	117	49
07/01/2020	8	123	123	55
07/01/2020	9	140	140	63
07/01/2020	10	150	150	66
07/01/2020	11	150	150	70
07/01/2020	12	150	150	69
07/01/2020	13	150	150	70
07/01/2020	14	150	150	72
07/01/2020	15	150	150	71
07/01/2020	16	150	150	69
07/01/2020	17	150	150	64
07/01/2020	18	149	149	62
07/01/2020	19	145	145	64
07/01/2020	20	146	146	64
07/01/2020	21	145	145	62
07/01/2020	22	143	143	60
07/01/2020	23	139	139	57
07/01/2020	24	124	124	51
07/02/2020	1	124	124	50
07/02/2020	2	123	123	48
07/02/2020	3	120	120	46
07/02/2020	4	113	113	46
07/02/2020	5	118	118	46
07/02/2020	6	120	120	48
07/02/2020	7	121	121	48
07/02/2020	8	126	126	54
07/02/2020	9	140	140	62
07/02/2020	10	150	150	66
07/02/2020	11	150	150	69
07/02/2020	12	150	150	68
07/02/2020	13	150	150	69
07/02/2020	14	150	150	71
07/02/2020	15	150	150	68
07/02/2020	16	150	150	65
07/02/2020	17	149	149	61
07/02/2020	18	148	148	62
07/02/2020	19	145	145	64
07/02/2020	20	146	146	61
07/02/2020	21	144	144	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/02/2020	22	143	143	58
07/02/2020	23	141	141	54
07/02/2020	24	127	127	51
07/03/2020	1	120	120	50
07/03/2020	2	119	119	48
07/03/2020	3	117	117	47
07/03/2020	4	116	116	46
07/03/2020	5	116	116	46
07/03/2020	6	118	118	48
07/03/2020	7	119	119	48
07/03/2020	8	126	126	53
07/03/2020	9	142	142	61
07/03/2020	10	150	150	66
07/03/2020	11	150	150	69
07/03/2020	12	150	150	68
07/03/2020	13	150	150	69
07/03/2020	14	150	150	71
07/03/2020	15	150	150	70
07/03/2020	16	150	150	68
07/03/2020	17	150	150	63
07/03/2020	18	150	150	62
07/03/2020	19	148	148	64
07/03/2020	20	148	148	63
07/03/2020	21	147	147	61
07/03/2020	22	144	144	59
07/03/2020	23	141	141	54
07/03/2020	24	127	127	51
07/04/2020	1	126	126	49
07/04/2020	2	125	125	47
07/04/2020	3	124	124	46
07/04/2020	4	119	119	45
07/04/2020	5	123	123	46
07/04/2020	6	123	123	47
07/04/2020	7	123	123	47
07/04/2020	8	125	125	50
07/04/2020	9	139	139	54
07/04/2020	10	147	147	57
07/04/2020	11	147	147	59
07/04/2020	12	148	148	58
07/04/2020	13	150	150	57
07/04/2020	14	150	150	57
07/04/2020	15	150	150	57
07/04/2020	16	150	150	57
07/04/2020	17	147	147	56
07/04/2020	18	147	147	59
07/04/2020	19	145	145	60
07/04/2020	20	146	146	59
07/04/2020	21	145	145	58
07/04/2020	22	138	130	56
07/04/2020	23	141	131	52
07/04/2020	24	126	126	49
07/05/2020	1	125	125	48
07/05/2020	2	123	123	48
07/05/2020	3	123	123	47
07/05/2020	4	122	122	46
07/05/2020	5	121	121	45
07/05/2020	6	121	121	45
07/05/2020	7	121	121	46
07/05/2020	8	122	122	46
07/05/2020	9	120	120	49
07/05/2020	10	125	125	51
07/05/2020	11	148	148	54
07/05/2020	12	150	150	55
07/05/2020	13	150	150	55
07/05/2020	14	150	150	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/05/2020	15	150	150	55
07/05/2020	16	145	145	53
07/05/2020	17	145	145	54
07/05/2020	18	142	142	56
07/05/2020	19	147	147	57
07/05/2020	20	143	143	57
07/05/2020	21	142	142	55
07/05/2020	22	140	140	52
07/05/2020	23	150	150	50
07/05/2020	24	137	137	47
07/06/2020	1	150	105	46
07/06/2020	2	150	105	44
07/06/2020	3	150	105	43
07/06/2020	4	150	104	42
07/06/2020	5	150	105	43
07/06/2020	6	150	105	45
07/06/2020	7	150	105	47
07/06/2020	8	150	105	52
07/06/2020	9	150	105	60
07/06/2020	10	150	132	64
07/06/2020	11	150	150	68
07/06/2020	12	150	150	67
07/06/2020	13	150	150	68
07/06/2020	14	150	150	70
07/06/2020	15	150	150	69
07/06/2020	16	150	150	66
07/06/2020	17	150	150	61
07/06/2020	18	150	150	62
07/06/2020	19	150	150	64
07/06/2020	20	150	150	63
07/06/2020	21	150	150	61
07/06/2020	22	150	150	57
07/06/2020	23	150	150	54
07/06/2020	24	150	138	51
07/07/2020	1	150	102	50
07/07/2020	2	150	96	48
07/07/2020	3	150	82	46
07/07/2020	4	150	82	45
07/07/2020	5	150	83	46
07/07/2020	6	150	86	48
07/07/2020	7	150	86	48
07/07/2020	8	150	101	54
07/07/2020	9	150	119	61
07/07/2020	10	150	133	65
07/07/2020	11	150	134	69
07/07/2020	12	150	134	68
07/07/2020	13	150	150	69
07/07/2020	14	150	150	72
07/07/2020	15	150	150	68
07/07/2020	16	150	131	66
07/07/2020	17	150	111	61
07/07/2020	18	150	118	60
07/07/2020	19	150	121	62
07/07/2020	20	150	115	61
07/07/2020	21	150	111	60
07/07/2020	22	150	109	56
07/07/2020	23	150	97	53
07/07/2020	24	150	89	49
07/08/2020	1	150	97	51
07/08/2020	2	150	90	48
07/08/2020	3	150	87	48
07/08/2020	4	150	82	47
07/08/2020	5	150	94	48
07/08/2020	6	150	100	49
07/08/2020	7	150	102	49

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/08/2020	8	150	115	55
07/08/2020	9	150	122	62
07/08/2020	10	150	134	66
07/08/2020	11	150	150	70
07/08/2020	12	150	150	69
07/08/2020	13	150	150	69
07/08/2020	14	150	150	73
07/08/2020	15	150	150	71
07/08/2020	16	150	150	69
07/08/2020	17	150	150	64
07/08/2020	18	150	150	63
07/08/2020	19	150	150	65
07/08/2020	20	150	137	65
07/08/2020	21	150	137	63
07/08/2020	22	150	134	59
07/08/2020	23	150	127	56
07/08/2020	24	150	113	52
07/09/2020	1	150	89	50
07/09/2020	2	150	89	48
07/09/2020	3	150	88	47
07/09/2020	4	150	88	46
07/09/2020	5	150	87	47
07/09/2020	6	150	90	48
07/09/2020	7	150	88	48
07/09/2020	8	150	97	54
07/09/2020	9	150	125	62
07/09/2020	10	150	139	65
07/09/2020	11	150	150	69
07/09/2020	12	150	150	68
07/09/2020	13	150	150	69
07/09/2020	14	150	150	71
07/09/2020	15	150	150	69
07/09/2020	16	150	150	67
07/09/2020	17	150	150	62
07/09/2020	18	150	150	62
07/09/2020	19	150	150	64
07/09/2020	20	150	142	63
07/09/2020	21	150	137	62
07/09/2020	22	150	126	58
07/09/2020	23	150	106	53
07/09/2020	24	150	94	51
07/10/2020	1	150	93	49
07/10/2020	2	150	88	48
07/10/2020	3	150	88	46
07/10/2020	4	150	87	45
07/10/2020	5	150	87	46
07/10/2020	6	150	94	48
07/10/2020	7	150	95	49
07/10/2020	8	150	100	54
07/10/2020	9	150	118	60
07/10/2020	10	150	140	65
07/10/2020	11	150	150	68
07/10/2020	12	150	150	67
07/10/2020	13	150	150	67
07/10/2020	14	150	150	70
07/10/2020	15	150	150	68
07/10/2020	16	150	150	65
07/10/2020	17	150	150	61
07/10/2020	18	150	150	61
07/10/2020	19	150	150	62
07/10/2020	20	150	145	61
07/10/2020	21	150	139	60
07/10/2020	22	150	123	57
07/10/2020	23	150	99	53
07/10/2020	24	150	92	50

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/11/2020	1	150	90	48
07/11/2020	2	147	89	46
07/11/2020	3	147	89	45
07/11/2020	4	147	88	44
07/11/2020	5	147	88	45
07/11/2020	6	147	89	46
07/11/2020	7	147	87	45
07/11/2020	8	147	88	48
07/11/2020	9	147	89	53
07/11/2020	10	147	105	56
07/11/2020	11	147	112	59
07/11/2020	12	147	114	58
07/11/2020	13	147	114	59
07/11/2020	14	147	120	60
07/11/2020	15	147	115	59
07/11/2020	16	147	113	58
07/11/2020	17	146	108	55
07/11/2020	18	150	123	58
07/11/2020	19	150	131	63
07/11/2020	20	150	129	61
07/11/2020	21	150	128	60
07/11/2020	22	150	123	56
07/11/2020	23	150	111	53
07/11/2020	24	150	113	52
07/12/2020	1	147	97	52
07/12/2020	2	147	97	51
07/12/2020	3	147	90	49
07/12/2020	4	147	90	47
07/12/2020	5	147	90	47
07/12/2020	6	147	90	47
07/12/2020	7	147	90	47
07/12/2020	8	147	90	48
07/12/2020	9	147	90	49
07/12/2020	10	147	106	52
07/12/2020	11	147	112	55
07/12/2020	12	147	114	56
07/12/2020	13	147	114	56
07/12/2020	14	147	115	57
07/12/2020	15	147	114	55
07/12/2020	16	147	114	54
07/12/2020	17	146	110	54
07/12/2020	18	146	108	56
07/12/2020	19	146	134	61
07/12/2020	20	147	134	61
07/12/2020	21	147	134	60
07/12/2020	22	147	129	58
07/12/2020	23	147	112	54
07/12/2020	24	147	119	52
07/13/2020	1	150	102	48
07/13/2020	2	150	102	46
07/13/2020	3	150	102	44
07/13/2020	4	150	102	43
07/13/2020	5	150	102	44
07/13/2020	6	150	102	46
07/13/2020	7	150	102	47
07/13/2020	8	150	112	52
07/13/2020	9	150	132	60
07/13/2020	10	150	132	64
07/13/2020	11	150	137	68
07/13/2020	12	150	134	66
07/13/2020	13	150	134	66
07/13/2020	14	150	144	69
07/13/2020	15	150	137	67
07/13/2020	16	150	134	65
07/13/2020	17	149	127	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/13/2020	18	149	128	60
07/13/2020	19	149	132	62
07/13/2020	20	150	132	62
07/13/2020	21	150	132	62
07/13/2020	22	150	119	57
07/13/2020	23	150	112	54
07/13/2020	24	150	112	50
07/14/2020	1	149	95	50
07/14/2020	2	149	94	49
07/14/2020	3	149	84	47
07/14/2020	4	149	83	46
07/14/2020	5	149	84	47
07/14/2020	6	149	92	48
07/14/2020	7	149	92	49
07/14/2020	8	149	117	53
07/14/2020	9	149	122	61
07/14/2020	10	149	129	65
07/14/2020	11	149	142	68
07/14/2020	12	149	132	67
07/14/2020	13	149	132	68
07/14/2020	14	149	132	70
07/14/2020	15	149	132	69
07/14/2020	16	149	132	66
07/14/2020	17	149	124	61
07/14/2020	18	149	124	61
07/14/2020	19	149	124	64
07/14/2020	20	149	124	63
07/14/2020	21	149	124	61
07/14/2020	22	149	122	58
07/14/2020	23	149	112	54
07/14/2020	24	149	112	52
07/15/2020	1	149	102	50
07/15/2020	2	149	97	48
07/15/2020	3	149	92	47
07/15/2020	4	149	91	47
07/15/2020	5	149	91	46
07/15/2020	6	149	97	49
07/15/2020	7	149	91	48
07/15/2020	8	149	103	54
07/15/2020	9	149	132	62
07/15/2020	10	149	134	67
07/15/2020	11	149	134	70
07/15/2020	12	149	134	69
07/15/2020	13	149	134	69
07/15/2020	14	149	139	71
07/15/2020	15	149	139	70
07/15/2020	16	149	134	68
07/15/2020	17	149	134	64
07/15/2020	18	149	132	63
07/15/2020	19	149	134	65
07/15/2020	20	149	134	64
07/15/2020	21	149	132	63
07/15/2020	22	149	127	60
07/15/2020	23	149	117	56
07/15/2020	24	149	112	52
07/16/2020	1	149	92	51
07/16/2020	2	149	92	50
07/16/2020	3	149	92	48
07/16/2020	4	149	92	47
07/16/2020	5	149	92	47
07/16/2020	6	149	101	49
07/16/2020	7	149	100	49
07/16/2020	8	149	112	58
07/16/2020	9	149	122	64
07/16/2020	10	149	129	68

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/16/2020	11	149	134	71
07/16/2020	12	149	134	70
07/16/2020	13	149	134	71
07/16/2020	14	149	138	74
07/16/2020	15	149	138	72
07/16/2020	16	149	129	68
07/16/2020	17	149	124	63
07/16/2020	18	149	124	64
07/16/2020	19	149	129	66
07/16/2020	20	149	124	65
07/16/2020	21	149	124	64
07/16/2020	22	149	122	61
07/16/2020	23	149	121	57
07/16/2020	24	149	120	54
07/17/2020	1	149	102	51
07/17/2020	2	149	102	49
07/17/2020	3	149	97	48
07/17/2020	4	149	92	47
07/17/2020	5	149	92	48
07/17/2020	6	149	92	50
07/17/2020	7	149	92	49
07/17/2020	8	149	104	55
07/17/2020	9	149	124	63
07/17/2020	10	149	124	66
07/17/2020	11	149	129	70
07/17/2020	12	149	129	68
07/17/2020	13	149	129	69
07/17/2020	14	149	134	72
07/17/2020	15	149	134	70
07/17/2020	16	149	129	66
07/17/2020	17	149	124	63
07/17/2020	18	149	124	62
07/17/2020	19	149	124	65
07/17/2020	20	149	124	64
07/17/2020	21	149	124	63
07/17/2020	22	149	124	60
07/17/2020	23	149	107	56
07/17/2020	24	149	102	52
07/18/2020	1	150	97	49
07/18/2020	2	150	91	47
07/18/2020	3	150	90	45
07/18/2020	4	150	90	45
07/18/2020	5	150	89	45
07/18/2020	6	150	91	46
07/18/2020	7	150	90	46
07/18/2020	8	150	92	51
07/18/2020	9	150	93	54
07/18/2020	10	150	110	58
07/18/2020	11	150	119	60
07/18/2020	12	150	119	60
07/18/2020	13	150	129	62
07/18/2020	14	150	129	64
07/18/2020	15	150	129	63
07/18/2020	16	150	129	61
07/18/2020	17	150	120	59
07/18/2020	18	150	119	59
07/18/2020	19	150	124	62
07/18/2020	20	150	124	61
07/18/2020	21	150	119	60
07/18/2020	22	150	114	57
07/18/2020	23	150	101	54
07/18/2020	24	150	103	52
07/19/2020	1	150	91	48
07/19/2020	2	150	91	47
07/19/2020	3	150	90	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/19/2020	4	150	90	44
07/19/2020	5	150	89	44
07/19/2020	6	150	90	44
07/19/2020	7	150	89	45
07/19/2020	8	150	90	46
07/19/2020	9	150	91	48
07/19/2020	10	150	105	50
07/19/2020	11	150	109	53
07/19/2020	12	150	114	54
07/19/2020	13	150	119	55
07/19/2020	14	150	133	56
07/19/2020	15	150	126	55
07/19/2020	16	150	114	53
07/19/2020	17	150	125	54
07/19/2020	18	150	150	56
07/19/2020	19	150	150	61
07/19/2020	20	150	150	60
07/19/2020	21	150	144	58
07/19/2020	22	150	132	55
07/19/2020	23	150	110	52
07/19/2020	24	150	102	50
07/20/2020	1	150	102	47
07/20/2020	2	150	102	45
07/20/2020	3	150	102	44
07/20/2020	4	150	102	43
07/20/2020	5	150	102	44
07/20/2020	6	150	104	47
07/20/2020	7	150	105	47
07/20/2020	8	150	105	53
07/20/2020	9	150	115	62
07/20/2020	10	150	150	67
07/20/2020	11	150	150	71
07/20/2020	12	150	150	70
07/20/2020	13	150	150	70
07/20/2020	14	150	150	73
07/20/2020	15	150	150	71
07/20/2020	16	150	150	68
07/20/2020	17	150	150	63
07/20/2020	18	150	150	62
07/20/2020	19	150	150	65
07/20/2020	20	150	150	65
07/20/2020	21	150	150	63
07/20/2020	22	150	130	61
07/20/2020	23	150	114	57
07/20/2020	24	150	102	53
07/21/2020	1	150	102	51
07/21/2020	2	150	102	50
07/21/2020	3	150	102	47
07/21/2020	4	150	102	47
07/21/2020	5	150	102	47
07/21/2020	6	150	102	49
07/21/2020	7	150	102	49
07/21/2020	8	150	112	57
07/21/2020	9	150	112	64
07/21/2020	10	150	112	67
07/21/2020	11	150	116	71
07/21/2020	12	150	118	70
07/21/2020	13	150	118	70
07/21/2020	14	150	134	72
07/21/2020	15	150	127	71
07/21/2020	16	150	119	67
07/21/2020	17	150	113	63
07/21/2020	18	150	111	62
07/21/2020	19	150	114	65
07/21/2020	20	150	113	64

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/21/2020	21	150	112	63
07/21/2020	22	150	107	60
07/21/2020	23	150	102	56
07/21/2020	24	150	102	52
07/22/2020	1	150	104	51
07/22/2020	2	150	104	50
07/22/2020	3	150	104	48
07/22/2020	4	150	104	47
07/22/2020	5	150	104	48
07/22/2020	6	150	104	49
07/22/2020	7	150	104	49
07/22/2020	8	150	104	56
07/22/2020	9	150	114	64
07/22/2020	10	150	129	68
07/22/2020	11	150	129	71
07/22/2020	12	150	129	71
07/22/2020	13	150	129	72
07/22/2020	14	150	144	74
07/22/2020	15	150	129	72
07/22/2020	16	150	129	69
07/22/2020	17	150	129	63
07/22/2020	18	150	129	62
07/22/2020	19	150	129	65
07/22/2020	20	150	129	64
07/22/2020	21	150	129	63
07/22/2020	22	150	127	60
07/22/2020	23	150	124	55
07/22/2020	24	150	114	52
07/23/2020	1	149	104	51
07/23/2020	2	149	104	50
07/23/2020	3	149	104	48
07/23/2020	4	149	98	48
07/23/2020	5	149	104	48
07/23/2020	6	149	104	49
07/23/2020	7	149	102	49
07/23/2020	8	149	104	56
07/23/2020	9	149	112	64
07/23/2020	10	149	114	67
07/23/2020	11	149	129	70
07/23/2020	12	149	129	69
07/23/2020	13	149	129	70
07/23/2020	14	149	129	72
07/23/2020	15	149	129	71
07/23/2020	16	149	129	69
07/23/2020	17	149	129	63
07/23/2020	18	149	129	62
07/23/2020	19	149	129	65
07/23/2020	20	149	129	64
07/23/2020	21	149	129	64
07/23/2020	22	149	114	60
07/23/2020	23	149	99	57
07/23/2020	24	149	93	53
07/24/2020	1	150	105	50
07/24/2020	2	150	105	49
07/24/2020	3	150	105	48
07/24/2020	4	150	105	47
07/24/2020	5	150	105	47
07/24/2020	6	150	105	49
07/24/2020	7	150	105	49
07/24/2020	8	150	105	53
07/24/2020	9	150	105	61
07/24/2020	10	150	115	66
07/24/2020	11	150	115	69
07/24/2020	12	150	130	69
07/24/2020	13	150	130	70

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/24/2020	14	150	130	71
07/24/2020	15	150	130	70
07/24/2020	16	150	130	66
07/24/2020	17	150	130	62
07/24/2020	18	149	130	62
07/24/2020	19	150	130	65
07/24/2020	20	150	130	63
07/24/2020	21	150	130	63
07/24/2020	22	150	130	60
07/24/2020	23	150	115	56
07/24/2020	24	150	105	52
07/25/2020	1	150	102	49
07/25/2020	2	150	102	48
07/25/2020	3	150	102	47
07/25/2020	4	150	94	46
07/25/2020	5	150	95	46
07/25/2020	6	150	102	47
07/25/2020	7	150	102	48
07/25/2020	8	150	91	49
07/25/2020	9	150	91	54
07/25/2020	10	150	108	58
07/25/2020	11	150	116	61
07/25/2020	12	150	116	60
07/25/2020	13	150	116	61
07/25/2020	14	150	116	64
07/25/2020	15	150	116	63
07/25/2020	16	150	116	61
07/25/2020	17	150	116	58
07/25/2020	18	150	116	59
07/25/2020	19	150	116	62
07/25/2020	20	150	116	61
07/25/2020	21	150	116	60
07/25/2020	22	150	116	57
07/25/2020	23	150	115	54
07/25/2020	24	150	112	50
07/26/2020	1	150	95	49
07/26/2020	2	150	92	48
07/26/2020	3	150	89	47
07/26/2020	4	150	89	45
07/26/2020	5	150	88	45
07/26/2020	6	150	88	46
07/26/2020	7	150	88	45
07/26/2020	8	150	89	46
07/26/2020	9	150	92	46
07/26/2020	10	150	106	50
07/26/2020	11	150	111	52
07/26/2020	12	150	118	54
07/26/2020	13	150	120	54
07/26/2020	14	150	120	56
07/26/2020	15	150	119	55
07/26/2020	16	150	119	54
07/26/2020	17	150	111	53
07/26/2020	18	150	124	56
07/26/2020	19	150	124	61
07/26/2020	20	150	124	60
07/26/2020	21	150	124	60
07/26/2020	22	150	124	56
07/26/2020	23	150	102	52
07/26/2020	24	150	101	50
07/27/2020	1	150	104	47
07/27/2020	2	150	104	46
07/27/2020	3	150	104	45
07/27/2020	4	150	104	44
07/27/2020	5	150	104	44
07/27/2020	6	150	104	47

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/27/2020	7	150	104	48
07/27/2020	8	150	104	54
07/27/2020	9	150	120	62
07/27/2020	10	150	146	67
07/27/2020	11	150	150	71
07/27/2020	12	150	150	70
07/27/2020	13	150	150	71
07/27/2020	14	150	150	72
07/27/2020	15	150	150	71
07/27/2020	16	150	150	69
07/27/2020	17	150	150	63
07/27/2020	18	150	150	62
07/27/2020	19	150	150	64
07/27/2020	20	150	144	63
07/27/2020	21	150	144	63
07/27/2020	22	150	136	60
07/27/2020	23	150	124	57
07/27/2020	24	150	104	50
07/28/2020	1	150	95	51
07/28/2020	2	150	94	49
07/28/2020	3	150	93	48
07/28/2020	4	150	92	47
07/28/2020	5	150	92	48
07/28/2020	6	150	93	49
07/28/2020	7	150	94	50
07/28/2020	8	150	96	57
07/28/2020	9	150	112	65
07/28/2020	10	150	127	68
07/28/2020	11	150	132	68
07/28/2020	12	150	144	67
07/28/2020	13	150	146	69
07/28/2020	14	150	150	71
07/28/2020	15	150	150	69
07/28/2020	16	150	148	66
07/28/2020	17	150	143	62
07/28/2020	18	150	150	62
07/28/2020	19	150	150	65
07/28/2020	20	150	144	64
07/28/2020	21	150	132	63
07/28/2020	22	150	118	60
07/28/2020	23	150	101	57
07/28/2020	24	150	97	54
07/29/2020	1	150	95	50
07/29/2020	2	150	94	48
07/29/2020	3	150	94	47
07/29/2020	4	150	93	46
07/29/2020	5	150	93	47
07/29/2020	6	150	93	49
07/29/2020	7	150	94	49
07/29/2020	8	150	96	55
07/29/2020	9	150	118	64
07/29/2020	10	150	150	68
07/29/2020	11	150	150	71
07/29/2020	12	150	150	70
07/29/2020	13	150	150	71
07/29/2020	14	150	150	72
07/29/2020	15	150	150	71
07/29/2020	16	150	150	67
07/29/2020	17	150	135	63
07/29/2020	18	150	137	62
07/29/2020	19	150	141	64
07/29/2020	20	150	137	63
07/29/2020	21	150	123	61
07/29/2020	22	150	113	58
07/29/2020	23	150	104	54

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/29/2020	24	150	96	52
07/30/2020	1	150	95	49
07/30/2020	2	150	94	48
07/30/2020	3	150	93	46
07/30/2020	4	150	93	46
07/30/2020	5	150	92	47
07/30/2020	6	150	93	49
07/30/2020	7	150	94	49
07/30/2020	8	150	96	54
07/30/2020	9	150	110	61
07/30/2020	10	150	128	66
07/30/2020	11	150	150	69
07/30/2020	12	150	150	69
07/30/2020	13	150	150	69
07/30/2020	14	150	150	71
07/30/2020	15	150	150	69
07/30/2020	16	150	139	67
07/30/2020	17	150	135	62
07/30/2020	18	150	135	62
07/30/2020	19	150	137	63
07/30/2020	20	150	126	62
07/30/2020	21	150	117	60
07/30/2020	22	150	113	56
07/30/2020	23	150	102	53
07/30/2020	24	150	97	50
07/31/2020	1	150	94	49
07/31/2020	2	150	93	48
07/31/2020	3	150	92	47
07/31/2020	4	150	92	46
07/31/2020	5	150	91	46
07/31/2020	6	150	92	48
07/31/2020	7	150	93	48
07/31/2020	8	150	94	52
07/31/2020	9	150	96	59
07/31/2020	10	150	107	63
07/31/2020	11	150	128	65
07/31/2020	12	150	120	64
07/31/2020	13	150	122	65
07/31/2020	14	150	130	66
07/31/2020	15	150	122	65
07/31/2020	16	150	121	63
07/31/2020	17	150	113	59
07/31/2020	18	150	110	59
07/31/2020	19	150	113	63
07/31/2020	20	150	113	62
07/31/2020	21	150	114	60
07/31/2020	22	150	110	57
07/31/2020	23	150	100	53
07/31/2020	24	150	96	51
08/01/2020	1	150	94	49
08/01/2020	2	150	93	48
08/01/2020	3	150	92	46
08/01/2020	4	150	91	45
08/01/2020	5	150	91	46
08/01/2020	6	150	92	47
08/01/2020	7	150	92	47
08/01/2020	8	150	91	50
08/01/2020	9	150	93	54
08/01/2020	10	150	111	57
08/01/2020	11	150	119	59
08/01/2020	12	150	120	60
08/01/2020	13	150	120	61
08/01/2020	14	150	120	62
08/01/2020	15	150	120	62
08/01/2020	16	150	118	59

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/01/2020	17	150	116	56
08/01/2020	18	150	112	58
08/01/2020	19	150	114	64
08/01/2020	20	150	115	61
08/01/2020	21	150	115	60
08/01/2020	22	150	111	57
08/01/2020	23	150	101	54
08/01/2020	24	150	95	51
08/02/2020	1	150	95	50
08/02/2020	2	150	94	48
08/02/2020	3	150	93	47
08/02/2020	4	150	92	46
08/02/2020	5	150	92	46
08/02/2020	6	150	91	46
08/02/2020	7	150	85	46
08/02/2020	8	150	82	46
08/02/2020	9	150	89	48
08/02/2020	10	150	110	52
08/02/2020	11	150	118	53
08/02/2020	12	150	120	54
08/02/2020	13	150	120	54
08/02/2020	14	150	119	55
08/02/2020	15	150	119	54
08/02/2020	16	150	119	52
08/02/2020	17	150	117	52
08/02/2020	18	150	112	55
08/02/2020	19	150	116	58
08/02/2020	20	150	116	58
08/02/2020	21	150	115	57
08/02/2020	22	150	112	54
08/02/2020	23	150	102	52
08/02/2020	24	150	96	49
08/03/2020	1	150	104	47
08/03/2020	2	150	94	45
08/03/2020	3	150	96	44
08/03/2020	4	150	94	44
08/03/2020	5	150	97	44
08/03/2020	6	150	104	47
08/03/2020	7	150	97	47
08/03/2020	8	150	104	53
08/03/2020	9	150	104	61
08/03/2020	10	150	112	66
08/03/2020	11	150	121	69
08/03/2020	12	150	123	69
08/03/2020	13	150	123	69
08/03/2020	14	150	123	71
08/03/2020	15	150	123	70
08/03/2020	16	150	122	67
08/03/2020	17	150	117	64
08/03/2020	18	150	114	63
08/03/2020	19	150	117	65
08/03/2020	20	150	117	64
08/03/2020	21	150	117	61
08/03/2020	22	150	113	58
08/03/2020	23	150	106	54
08/03/2020	24	150	104	52
08/04/2020	1	123	123	49
08/04/2020	2	122	122	48
08/04/2020	3	115	115	47
08/04/2020	4	115	115	46
08/04/2020	5	115	115	47
08/04/2020	6	122	122	48
08/04/2020	7	115	115	49
08/04/2020	8	126	126	54
08/04/2020	9	145	145	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/04/2020	10	150	150	65
08/04/2020	11	150	150	70
08/04/2020	12	150	150	68
08/04/2020	13	150	150	69
08/04/2020	14	150	150	71
08/04/2020	15	150	150	70
08/04/2020	16	150	150	67
08/04/2020	17	150	150	63
08/04/2020	18	149	149	62
08/04/2020	19	147	147	64
08/04/2020	20	147	147	63
08/04/2020	21	146	146	61
08/04/2020	22	144	144	59
08/04/2020	23	140	140	54
08/04/2020	24	130	130	51
08/05/2020	1	124	124	49
08/05/2020	2	115	115	47
08/05/2020	3	115	115	46
08/05/2020	4	115	115	46
08/05/2020	5	115	115	47
08/05/2020	6	121	116	48
08/05/2020	7	116	115	49
08/05/2020	8	127	127	54
08/05/2020	9	145	145	61
08/05/2020	10	150	150	66
08/05/2020	11	150	150	68
08/05/2020	12	150	150	68
08/05/2020	13	150	150	69
08/05/2020	14	150	150	72
08/05/2020	15	150	150	70
08/05/2020	16	150	150	67
08/05/2020	17	150	150	63
08/05/2020	18	150	150	62
08/05/2020	19	148	148	65
08/05/2020	20	148	148	64
08/05/2020	21	147	147	62
08/05/2020	22	144	144	59
08/05/2020	23	150	150	56
08/05/2020	24	135	135	52
08/06/2020	1	122	122	49
08/06/2020	2	120	120	48
08/06/2020	3	106	105	46
08/06/2020	4	105	105	45
08/06/2020	5	115	115	47
08/06/2020	6	118	118	49
08/06/2020	7	116	115	49
08/06/2020	8	125	125	55
08/06/2020	9	144	144	62
08/06/2020	10	150	150	67
08/06/2020	11	150	150	71
08/06/2020	12	150	150	69
08/06/2020	13	150	150	70
08/06/2020	14	150	150	71
08/06/2020	15	150	150	69
08/06/2020	16	150	150	66
08/06/2020	17	150	150	62
08/06/2020	18	150	150	62
08/06/2020	19	149	149	65
08/06/2020	20	150	150	63
08/06/2020	21	148	148	61
08/06/2020	22	144	144	58
08/06/2020	23	135	135	54
08/06/2020	24	128	128	51
08/07/2020	1	117	117	49
08/07/2020	2	114	114	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/07/2020	3	112	111	46
08/07/2020	4	108	108	46
08/07/2020	5	112	112	46
08/07/2020	6	115	115	48
08/07/2020	7	116	115	49
08/07/2020	8	121	121	54
08/07/2020	9	142	142	62
08/07/2020	10	150	150	66
08/07/2020	11	150	150	70
08/07/2020	12	150	150	68
08/07/2020	13	145	145	69
08/07/2020	14	150	150	71
08/07/2020	15	150	150	69
08/07/2020	16	150	150	65
08/07/2020	17	150	150	62
08/07/2020	18	150	150	61
08/07/2020	19	146	146	62
08/07/2020	20	147	147	61
08/07/2020	21	144	144	59
08/07/2020	22	141	141	56
08/07/2020	23	130	130	53
08/07/2020	24	126	125	50
08/08/2020	1	150	96	49
08/08/2020	2	150	96	48
08/08/2020	3	150	95	46
08/08/2020	4	150	94	46
08/08/2020	5	150	94	46
08/08/2020	6	150	95	47
08/08/2020	7	150	95	48
08/08/2020	8	150	95	50
08/08/2020	9	150	97	54
08/08/2020	10	150	104	58
08/08/2020	11	150	108	60
08/08/2020	12	150	113	60
08/08/2020	13	150	115	61
08/08/2020	14	150	115	63
08/08/2020	15	150	115	62
08/08/2020	16	150	115	59
08/08/2020	17	150	108	57
08/08/2020	18	150	106	59
08/08/2020	19	150	109	63
08/08/2020	20	150	109	61
08/08/2020	21	150	109	60
08/08/2020	22	150	103	57
08/08/2020	23	150	101	54
08/08/2020	24	150	98	50
08/09/2020	1	148	96	48
08/09/2020	2	147	96	47
08/09/2020	3	144	95	47
08/09/2020	4	124	92	45
08/09/2020	5	124	92	45
08/09/2020	6	124	92	45
08/09/2020	7	117	92	46
08/09/2020	8	115	92	47
08/09/2020	9	115	92	48
08/09/2020	10	125	92	51
08/09/2020	11	130	99	53
08/09/2020	12	141	99	54
08/09/2020	13	141	99	54
08/09/2020	14	150	106	55
08/09/2020	15	150	109	55
08/09/2020	16	150	102	54
08/09/2020	17	150	102	53
08/09/2020	18	150	107	57
08/09/2020	19	150	111	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/09/2020	20	150	111	60
08/09/2020	21	149	110	59
08/09/2020	22	149	105	56
08/09/2020	23	136	100	52
08/09/2020	24	142	98	50
08/10/2020	1	150	96	47
08/10/2020	2	150	96	46
08/10/2020	3	150	95	45
08/10/2020	4	145	92	44
08/10/2020	5	150	94	44
08/10/2020	6	150	95	47
08/10/2020	7	150	95	48
08/10/2020	8	150	95	53
08/10/2020	9	150	96	61
08/10/2020	10	150	108	66
08/10/2020	11	150	113	69
08/10/2020	12	150	115	69
08/10/2020	13	150	116	69
08/10/2020	14	150	115	72
08/10/2020	15	150	114	70
08/10/2020	16	150	114	67
08/10/2020	17	150	112	64
08/10/2020	18	150	107	63
08/10/2020	19	150	110	65
08/10/2020	20	150	110	64
08/10/2020	21	150	109	62
08/10/2020	22	150	108	58
08/10/2020	23	150	100	55
08/10/2020	24	150	98	52
08/11/2020	1	150	85	50
08/11/2020	2	150	84	49
08/11/2020	3	150	82	48
08/11/2020	4	150	82	47
08/11/2020	5	150	83	47
08/11/2020	6	150	84	48
08/11/2020	7	150	85	49
08/11/2020	8	150	89	55
08/11/2020	9	150	96	62
08/11/2020	10	150	105	67
08/11/2020	11	150	114	70
08/11/2020	12	150	115	69
08/11/2020	13	150	115	70
08/11/2020	14	150	119	71
08/11/2020	15	150	118	69
08/11/2020	16	150	114	66
08/11/2020	17	150	108	63
08/11/2020	18	150	105	63
08/11/2020	19	150	113	64
08/11/2020	20	150	113	63
08/11/2020	21	150	111	61
08/11/2020	22	150	107	58
08/11/2020	23	150	100	54
08/11/2020	24	150	89	51
08/12/2020	1	148	94	48
08/12/2020	2	148	93	47
08/12/2020	3	137	93	46
08/12/2020	4	129	88	45
08/12/2020	5	147	92	46
08/12/2020	6	147	94	48
08/12/2020	7	147	94	49
08/12/2020	8	148	96	54
08/12/2020	9	148	100	62
08/12/2020	10	148	106	65
08/12/2020	11	148	116	68
08/12/2020	12	148	117	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/12/2020	13	148	116	68
08/12/2020	14	148	120	71
08/12/2020	15	148	120	69
08/12/2020	16	148	116	67
08/12/2020	17	147	109	62
08/12/2020	18	147	106	63
08/12/2020	19	147	111	66
08/12/2020	20	148	111	64
08/12/2020	21	148	109	62
08/12/2020	22	148	108	58
08/12/2020	23	148	101	55
08/12/2020	24	148	95	52
08/13/2020	1	150	96	50
08/13/2020	2	150	95	49
08/13/2020	3	150	95	48
08/13/2020	4	150	94	47
08/13/2020	5	150	94	48
08/13/2020	6	149	96	49
08/13/2020	7	150	97	49
08/13/2020	8	150	97	55
08/13/2020	9	150	104	62
08/13/2020	10	150	106	66
08/13/2020	11	150	116	69
08/13/2020	12	150	117	68
08/13/2020	13	150	117	70
08/13/2020	14	150	120	73
08/13/2020	15	150	120	71
08/13/2020	16	150	116	69
08/13/2020	17	150	109	64
08/13/2020	18	149	107	62
08/13/2020	19	150	112	64
08/13/2020	20	150	112	63
08/13/2020	21	150	111	62
08/13/2020	22	150	109	59
08/13/2020	23	150	101	54
08/13/2020	24	150	98	51
08/14/2020	1	150	94	50
08/14/2020	2	150	93	48
08/14/2020	3	150	93	47
08/14/2020	4	150	90	46
08/14/2020	5	150	92	47
08/14/2020	6	149	90	49
08/14/2020	7	150	90	49
08/14/2020	8	150	96	53
08/14/2020	9	150	100	61
08/14/2020	10	150	107	65
08/14/2020	11	150	116	70
08/14/2020	12	150	117	68
08/14/2020	13	150	115	69
08/14/2020	14	150	120	72
08/14/2020	15	150	120	70
08/14/2020	16	150	116	67
08/14/2020	17	150	109	64
08/14/2020	18	149	107	63
08/14/2020	19	150	112	64
08/14/2020	20	150	111	62
08/14/2020	21	150	110	61
08/14/2020	22	150	108	57
08/14/2020	23	150	101	54
08/14/2020	24	150	95	53
08/15/2020	1	150	96	48
08/15/2020	2	150	92	47
08/15/2020	3	150	92	46
08/15/2020	4	150	83	45
08/15/2020	5	150	92	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/15/2020	6	149	94	47
08/15/2020	7	150	93	48
08/15/2020	8	150	96	50
08/15/2020	9	150	95	55
08/15/2020	10	150	104	58
08/15/2020	11	150	112	62
08/15/2020	12	150	113	60
08/15/2020	13	150	113	61
08/15/2020	14	150	117	65
08/15/2020	15	150	117	62
08/15/2020	16	150	113	61
08/15/2020	17	150	112	59
08/15/2020	18	149	112	60
08/15/2020	19	150	112	65
08/15/2020	20	150	112	63
08/15/2020	21	150	112	61
08/15/2020	22	150	107	59
08/15/2020	23	150	106	55
08/15/2020	24	150	98	50
08/16/2020	1	150	96	48
08/16/2020	2	150	96	48
08/16/2020	3	150	95	46
08/16/2020	4	150	94	45
08/16/2020	5	150	94	45
08/16/2020	6	150	95	46
08/16/2020	7	150	95	46
08/16/2020	8	150	95	46
08/16/2020	9	150	96	49
08/16/2020	10	150	105	52
08/16/2020	11	150	110	53
08/16/2020	12	150	114	55
08/16/2020	13	150	115	55
08/16/2020	14	150	115	57
08/16/2020	15	150	116	55
08/16/2020	16	150	116	54
08/16/2020	17	150	107	54
08/16/2020	18	150	107	58
08/16/2020	19	150	112	60
08/16/2020	20	150	112	59
08/16/2020	21	150	110	58
08/16/2020	22	150	104	54
08/16/2020	23	150	99	52
08/16/2020	24	150	98	50
08/17/2020	1	148	104	46
08/17/2020	2	148	104	45
08/17/2020	3	148	104	44
08/17/2020	4	148	104	44
08/17/2020	5	148	104	44
08/17/2020	6	148	104	47
08/17/2020	7	148	104	47
08/17/2020	8	148	104	53
08/17/2020	9	148	104	60
08/17/2020	10	148	105	64
08/17/2020	11	148	114	68
08/17/2020	12	148	115	67
08/17/2020	13	148	116	68
08/17/2020	14	148	126	71
08/17/2020	15	148	121	70
08/17/2020	16	148	118	68
08/17/2020	17	148	109	64
08/17/2020	18	148	106	63
08/17/2020	19	148	111	65
08/17/2020	20	148	111	65
08/17/2020	21	148	109	63
08/17/2020	22	148	104	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/17/2020	23	148	104	55
08/17/2020	24	148	104	51
08/18/2020	1	150	71	50
08/18/2020	2	150	71	49
08/18/2020	3	150	71	47
08/18/2020	4	150	71	46
08/18/2020	5	150	71	47
08/18/2020	6	150	72	49
08/18/2020	7	150	76	49
08/18/2020	8	150	84	54
08/18/2020	9	150	111	63
08/18/2020	10	150	111	67
08/18/2020	11	150	119	71
08/18/2020	12	150	119	70
08/18/2020	13	150	120	70
08/18/2020	14	150	121	73
08/18/2020	15	150	122	72
08/18/2020	16	150	120	69
08/18/2020	17	150	111	64
08/18/2020	18	150	111	64
08/18/2020	19	150	113	66
08/18/2020	20	150	113	64
08/18/2020	21	150	112	63
08/18/2020	22	150	107	59
08/18/2020	23	150	99	56
08/18/2020	24	150	82	53
08/19/2020	1	150	82	51
08/19/2020	2	150	81	50
08/19/2020	3	150	79	48
08/19/2020	4	150	71	47
08/19/2020	5	149	71	48
08/19/2020	6	149	72	50
08/19/2020	7	149	76	50
08/19/2020	8	150	78	56
08/19/2020	9	150	109	64
08/19/2020	10	150	132	68
08/19/2020	11	150	138	72
08/19/2020	12	150	135	71
08/19/2020	13	150	135	71
08/19/2020	14	150	144	73
08/19/2020	15	150	143	72
08/19/2020	16	150	141	70
08/19/2020	17	149	117	65
08/19/2020	18	149	120	64
08/19/2020	19	149	119	65
08/19/2020	20	150	114	64
08/19/2020	21	150	111	62
08/19/2020	22	150	107	58
08/19/2020	23	150	105	55
08/19/2020	24	150	97	52
08/20/2020	1	150	97	50
08/20/2020	2	150	97	48
08/20/2020	3	150	96	47
08/20/2020	4	150	95	46
08/20/2020	5	150	95	47
08/20/2020	6	150	96	49
08/20/2020	7	150	97	49
08/20/2020	8	150	97	55
08/20/2020	9	150	110	62
08/20/2020	10	150	134	67
08/20/2020	11	150	137	70
08/20/2020	12	150	135	70
08/20/2020	13	150	140	69
08/20/2020	14	150	146	72
08/20/2020	15	150	146	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/20/2020	16	150	141	69
08/20/2020	17	150	130	65
08/20/2020	18	150	116	64
08/20/2020	19	150	113	64
08/20/2020	20	150	113	62
08/20/2020	21	150	112	59
08/20/2020	22	150	108	55
08/20/2020	23	150	108	53
08/20/2020	24	150	98	52
08/21/2020	1	150	95	49
08/21/2020	2	150	94	48
08/21/2020	3	150	93	47
08/21/2020	4	150	93	46
08/21/2020	5	150	93	47
08/21/2020	6	150	94	49
08/21/2020	7	150	94	49
08/21/2020	8	150	94	53
08/21/2020	9	150	98	60
08/21/2020	10	150	113	63
08/21/2020	11	150	113	66
08/21/2020	12	150	114	66
08/21/2020	13	150	118	66
08/21/2020	14	150	114	67
08/21/2020	15	150	113	66
08/21/2020	16	150	114	63
08/21/2020	17	150	110	61
08/21/2020	18	150	107	62
08/21/2020	19	150	111	64
08/21/2020	20	150	111	62
08/21/2020	21	150	111	61
08/21/2020	22	150	105	59
08/21/2020	23	150	99	54
08/21/2020	24	150	96	52
08/22/2020	1	150	95	48
08/22/2020	2	150	95	48
08/22/2020	3	150	95	48
08/22/2020	4	150	95	46
08/22/2020	5	149	95	47
08/22/2020	6	149	95	47
08/22/2020	7	149	95	47
08/22/2020	8	150	95	50
08/22/2020	9	150	95	54
08/22/2020	10	150	96	59
08/22/2020	11	150	114	61
08/22/2020	12	150	115	62
08/22/2020	13	150	115	63
08/22/2020	14	150	115	65
08/22/2020	15	150	115	65
08/22/2020	16	150	115	62
08/22/2020	17	149	110	60
08/22/2020	18	149	110	62
08/22/2020	19	149	114	65
08/22/2020	20	150	114	65
08/22/2020	21	150	113	64
08/22/2020	22	150	104	59
08/22/2020	23	150	98	56
08/22/2020	24	150	96	52
08/23/2020	1	121	121	51
08/23/2020	2	120	120	48
08/23/2020	3	119	119	47
08/23/2020	4	118	118	46
08/23/2020	5	118	118	46
08/23/2020	6	120	120	47
08/23/2020	7	121	121	47
08/23/2020	8	118	118	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/23/2020	9	125	125	50
08/23/2020	10	139	139	53
08/23/2020	11	150	150	56
08/23/2020	12	150	150	58
08/23/2020	13	150	150	58
08/23/2020	14	150	150	59
08/23/2020	15	150	150	57
08/23/2020	16	150	150	56
08/23/2020	17	147	147	57
08/23/2020	18	146	146	59
08/23/2020	19	147	147	61
08/23/2020	20	146	146	60
08/23/2020	21	146	146	60
08/23/2020	22	143	143	57
08/23/2020	23	150	146	53
08/23/2020	24	133	133	51
08/24/2020	1	121	121	48
08/24/2020	2	120	120	47
08/24/2020	3	119	119	45
08/24/2020	4	118	118	45
08/24/2020	5	118	118	45
08/24/2020	6	120	120	48
08/24/2020	7	121	121	50
08/24/2020	8	130	130	54
08/24/2020	9	134	134	63
08/24/2020	10	139	139	67
08/24/2020	11	150	150	71
08/24/2020	12	150	150	69
08/24/2020	13	150	150	69
08/24/2020	14	150	150	72
08/24/2020	15	150	150	72
08/24/2020	16	150	150	69
08/24/2020	17	147	147	65
08/24/2020	18	146	146	64
08/24/2020	19	147	147	65
08/24/2020	20	146	146	64
08/24/2020	21	146	146	62
08/24/2020	22	143	143	58
08/24/2020	23	150	150	54
08/24/2020	24	133	133	52
08/25/2020	1	126	126	50
08/25/2020	2	125	125	48
08/25/2020	3	123	123	47
08/25/2020	4	123	123	46
08/25/2020	5	124	124	46
08/25/2020	6	125	125	49
08/25/2020	7	125	125	49
08/25/2020	8	131	131	54
08/25/2020	9	148	148	63
08/25/2020	10	150	150	67
08/25/2020	11	150	150	71
08/25/2020	12	150	150	70
08/25/2020	13	150	150	70
08/25/2020	14	150	150	73
08/25/2020	15	150	150	71
08/25/2020	16	150	150	68
08/25/2020	17	150	150	64
08/25/2020	18	150	150	64
08/25/2020	19	149	149	65
08/25/2020	20	149	149	64
08/25/2020	21	149	149	62
08/25/2020	22	146	146	59
08/25/2020	23	150	150	56
08/25/2020	24	138	138	52
08/26/2020	1	122	122	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/26/2020	2	120	120	51
08/26/2020	3	118	118	50
08/26/2020	4	117	117	48
08/26/2020	5	118	118	48
08/26/2020	6	120	120	50
08/26/2020	7	121	121	50
08/26/2020	8	127	127	56
08/26/2020	9	144	144	64
08/26/2020	10	150	150	68
08/26/2020	11	150	150	72
08/26/2020	12	150	150	71
08/26/2020	13	150	150	71
08/26/2020	14	150	150	74
08/26/2020	15	150	150	72
08/26/2020	16	150	150	70
08/26/2020	17	150	150	65
08/26/2020	18	150	150	65
08/26/2020	19	148	148	68
08/26/2020	20	149	149	67
08/26/2020	21	149	149	66
08/26/2020	22	143	143	64
08/26/2020	23	150	150	58
08/26/2020	24	135	135	54
08/27/2020	1	126	126	54
08/27/2020	2	125	125	52
08/27/2020	3	122	122	51
08/27/2020	4	121	121	49
08/27/2020	5	122	122	49
08/27/2020	6	124	124	50
08/27/2020	7	124	124	50
08/27/2020	8	131	131	56
08/27/2020	9	145	145	64
08/27/2020	10	150	150	69
08/27/2020	11	150	150	73
08/27/2020	12	150	150	71
08/27/2020	13	150	150	71
08/27/2020	14	150	150	75
08/27/2020	15	150	150	74
08/27/2020	16	150	150	71
08/27/2020	17	150	150	65
08/27/2020	18	150	150	66
08/27/2020	19	150	150	68
08/27/2020	20	150	150	69
08/27/2020	21	147	147	67
08/27/2020	22	145	145	63
08/27/2020	23	150	150	58
08/27/2020	24	138	138	54
08/28/2020	1	126	126	53
08/28/2020	2	125	125	52
08/28/2020	3	122	122	51
08/28/2020	4	121	121	49
08/28/2020	5	122	122	50
08/28/2020	6	124	124	52
08/28/2020	7	124	124	49
08/28/2020	8	131	131	55
08/28/2020	9	142	142	63
08/28/2020	10	150	150	68
08/28/2020	11	150	150	71
08/28/2020	12	149	149	70
08/28/2020	13	150	150	71
08/28/2020	14	150	150	74
08/28/2020	15	150	150	72
08/28/2020	16	150	150	70
08/28/2020	17	148	148	66
08/28/2020	18	149	149	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/28/2020	19	146	146	68
08/28/2020	20	145	145	68
08/28/2020	21	144	144	67
08/28/2020	22	142	142	63
08/28/2020	23	150	150	58
08/28/2020	24	139	139	55
08/29/2020	1	114	114	52
08/29/2020	2	116	115	51
08/29/2020	3	111	111	50
08/29/2020	4	110	110	48
08/29/2020	5	115	115	49
08/29/2020	6	122	122	50
08/29/2020	7	118	118	50
08/29/2020	8	121	120	52
08/29/2020	9	128	127	56
08/29/2020	10	141	141	60
08/29/2020	11	150	150	63
08/29/2020	12	150	150	62
08/29/2020	13	150	150	64
08/29/2020	14	150	150	67
08/29/2020	15	150	150	66
08/29/2020	16	150	150	63
08/29/2020	17	150	150	60
08/29/2020	18	150	150	64
08/29/2020	19	148	148	68
08/29/2020	20	147	147	67
08/29/2020	21	146	146	65
08/29/2020	22	144	144	61
08/29/2020	23	150	150	58
08/29/2020	24	141	141	55
08/30/2020	1	129	129	52
08/30/2020	2	127	127	49
08/30/2020	3	126	126	48
08/30/2020	4	125	123	47
08/30/2020	5	125	125	47
08/30/2020	6	125	125	47
08/30/2020	7	125	125	47
08/30/2020	8	125	125	48
08/30/2020	9	134	134	51
08/30/2020	10	139	139	54
08/30/2020	11	150	150	56
08/30/2020	12	150	150	57
08/30/2020	13	150	150	58
08/30/2020	14	150	150	59
08/30/2020	15	150	150	59
08/30/2020	16	150	150	57
08/30/2020	17	150	150	56
08/30/2020	18	150	150	61
08/30/2020	19	148	148	64
08/30/2020	20	147	147	63
08/30/2020	21	146	146	62
08/30/2020	22	144	144	59
08/30/2020	23	150	150	55
08/30/2020	24	141	141	52
08/31/2020	1	126	126	50
08/31/2020	2	124	124	48
08/31/2020	3	121	120	48
08/31/2020	4	118	118	47
08/31/2020	5	124	124	48
08/31/2020	6	115	114	48
08/31/2020	7	110	109	48
08/31/2020	8	111	110	50
08/31/2020	9	129	129	56
08/31/2020	10	141	141	60
08/31/2020	11	150	150	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/31/2020	12	150	150	64
08/31/2020	13	150	150	65
08/31/2020	14	150	150	68
08/31/2020	15	150	150	66
08/31/2020	16	150	150	63
08/31/2020	17	150	150	59
08/31/2020	18	150	150	63
08/31/2020	19	150	150	67
08/31/2020	20	150	150	66
08/31/2020	21	147	147	65
08/31/2020	22	146	146	62
08/31/2020	23	150	150	58
08/31/2020	24	138	138	54
09/01/2020	1	127	127	51
09/01/2020	2	125	125	49
09/01/2020	3	125	125	47
09/01/2020	4	124	124	47
09/01/2020	5	124	124	49
09/01/2020	6	124	124	50
09/01/2020	7	125	125	49
09/01/2020	8	127	127	55
09/01/2020	9	138	138	64
09/01/2020	10	150	150	69
09/01/2020	11	150	150	73
09/01/2020	12	150	150	71
09/01/2020	13	150	150	72
09/01/2020	14	150	150	76
09/01/2020	15	150	150	73
09/01/2020	16	150	150	70
09/01/2020	17	150	150	64
09/01/2020	18	147	147	65
09/01/2020	19	150	150	68
09/01/2020	20	150	150	68
09/01/2020	21	150	150	67
09/01/2020	22	148	148	63
09/01/2020	23	150	150	58
09/01/2020	24	138	138	54
09/02/2020	1	120	120	54
09/02/2020	2	118	118	52
09/02/2020	3	117	117	50
09/02/2020	4	117	117	49
09/02/2020	5	118	118	49
09/02/2020	6	120	120	50
09/02/2020	7	120	120	50
09/02/2020	8	126	126	55
09/02/2020	9	145	145	64
09/02/2020	10	150	150	68
09/02/2020	11	150	150	73
09/02/2020	12	150	150	71
09/02/2020	13	150	150	72
09/02/2020	14	150	150	76
09/02/2020	15	150	150	74
09/02/2020	16	150	150	71
09/02/2020	17	150	150	64
09/02/2020	18	150	150	65
09/02/2020	19	150	150	68
09/02/2020	20	150	150	68
09/02/2020	21	149	149	67
09/02/2020	22	144	144	63
09/02/2020	23	150	150	58
09/02/2020	24	134	134	54
09/03/2020	1	122	122	53
09/03/2020	2	122	122	51
09/03/2020	3	119	119	50
09/03/2020	4	118	118	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/03/2020	5	118	118	50
09/03/2020	6	120	120	51
09/03/2020	7	121	121	51
09/03/2020	8	128	128	56
09/03/2020	9	142	142	64
09/03/2020	10	150	150	69
09/03/2020	11	150	150	71
09/03/2020	12	150	150	71
09/03/2020	13	150	150	72
09/03/2020	14	150	150	74
09/03/2020	15	150	150	73
09/03/2020	16	150	150	70
09/03/2020	17	150	150	65
09/03/2020	18	150	150	67
09/03/2020	19	146	146	68
09/03/2020	20	146	146	67
09/03/2020	21	146	146	66
09/03/2020	22	143	143	63
09/03/2020	23	150	150	59
09/03/2020	24	137	137	56
09/04/2020	1	126	126	53
09/04/2020	2	124	124	51
09/04/2020	3	122	122	50
09/04/2020	4	122	122	49
09/04/2020	5	122	122	49
09/04/2020	6	124	124	50
09/04/2020	7	124	124	49
09/04/2020	8	130	130	54
09/04/2020	9	146	146	63
09/04/2020	10	150	150	68
09/04/2020	11	150	150	70
09/04/2020	12	150	150	69
09/04/2020	13	150	150	70
09/04/2020	14	150	150	73
09/04/2020	15	150	150	71
09/04/2020	16	150	150	69
09/04/2020	17	150	150	64
09/04/2020	18	150	150	65
09/04/2020	19	150	150	67
09/04/2020	20	149	149	66
09/04/2020	21	148	148	65
09/04/2020	22	147	147	61
09/04/2020	23	150	150	58
09/04/2020	24	137	137	55
09/05/2020	1	126	126	52
09/05/2020	2	124	124	51
09/05/2020	3	124	124	49
09/05/2020	4	122	122	48
09/05/2020	5	123	123	48
09/05/2020	6	123	123	48
09/05/2020	7	123	123	48
09/05/2020	8	127	127	51
09/05/2020	9	140	140	56
09/05/2020	10	147	147	60
09/05/2020	11	150	150	63
09/05/2020	12	150	150	63
09/05/2020	13	150	150	64
09/05/2020	14	150	150	67
09/05/2020	15	150	150	65
09/05/2020	16	150	150	62
09/05/2020	17	149	149	60
09/05/2020	18	150	150	64
09/05/2020	19	148	148	66
09/05/2020	20	147	147	65
09/05/2020	21	146	146	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/05/2020	22	145	145	59
09/05/2020	23	150	150	56
09/05/2020	24	138	138	53
09/06/2020	1	125	125	50
09/06/2020	2	119	118	48
09/06/2020	3	119	118	47
09/06/2020	4	112	112	46
09/06/2020	5	117	117	46
09/06/2020	6	117	117	46
09/06/2020	7	117	116	46
09/06/2020	8	119	119	48
09/06/2020	9	120	120	51
09/06/2020	10	135	134	54
09/06/2020	11	150	150	57
09/06/2020	12	150	150	56
09/06/2020	13	150	150	57
09/06/2020	14	150	150	57
09/06/2020	15	150	150	56
09/06/2020	16	150	150	55
09/06/2020	17	150	150	54
09/06/2020	18	147	147	59
09/06/2020	19	150	150	62
09/06/2020	20	150	150	62
09/06/2020	21	150	150	61
09/06/2020	22	150	150	59
09/06/2020	23	150	150	55
09/06/2020	24	136	136	52
09/07/2020	1	125	125	49
09/07/2020	2	123	123	47
09/07/2020	3	122	122	46
09/07/2020	4	121	121	45
09/07/2020	5	122	122	45
09/07/2020	6	123	123	47
09/07/2020	7	123	123	48
09/07/2020	8	125	125	53
09/07/2020	9	140	140	63
09/07/2020	10	148	148	68
09/07/2020	11	150	150	71
09/07/2020	12	150	150	70
09/07/2020	13	150	150	70
09/07/2020	14	150	150	73
09/07/2020	15	150	150	72
09/07/2020	16	150	150	69
09/07/2020	17	147	147	65
09/07/2020	18	147	147	65
09/07/2020	19	145	145	68
09/07/2020	20	146	146	68
09/07/2020	21	146	146	67
09/07/2020	22	144	144	64
09/07/2020	23	150	150	60
09/07/2020	24	137	137	56
09/08/2020	1	133	133	54
09/08/2020	2	131	131	52
09/08/2020	3	123	123	50
09/08/2020	4	121	119	49
09/08/2020	5	130	130	50
09/08/2020	6	130	130	50
09/08/2020	7	133	133	50
09/08/2020	8	134	134	57
09/08/2020	9	150	147	65
09/08/2020	10	150	150	70
09/08/2020	11	150	150	73
09/08/2020	12	150	150	72
09/08/2020	13	150	150	72
09/08/2020	14	150	150	75

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/08/2020	15	150	150	73
09/08/2020	16	150	150	70
09/08/2020	17	150	150	64
09/08/2020	18	150	150	66
09/08/2020	19	150	150	68
09/08/2020	20	150	150	66
09/08/2020	21	150	150	65
09/08/2020	22	150	150	63
09/08/2020	23	150	150	58
09/08/2020	24	137	137	55
09/09/2020	1	122	122	51
09/09/2020	2	119	119	49
09/09/2020	3	117	117	48
09/09/2020	4	117	117	47
09/09/2020	5	118	118	48
09/09/2020	6	120	120	50
09/09/2020	7	121	121	50
09/09/2020	8	128	128	55
09/09/2020	9	150	150	65
09/09/2020	10	150	150	70
09/09/2020	11	150	150	73
09/09/2020	12	150	150	72
09/09/2020	13	150	150	71
09/09/2020	14	150	150	73
09/09/2020	15	150	150	71
09/09/2020	16	150	150	68
09/09/2020	17	150	150	64
09/09/2020	18	150	150	66
09/09/2020	19	150	150	66
09/09/2020	20	150	150	65
09/09/2020	21	150	150	64
09/09/2020	22	150	150	61
09/09/2020	23	150	150	58
09/09/2020	24	136	136	54
09/10/2020	1	123	123	51
09/10/2020	2	121	121	50
09/10/2020	3	119	119	49
09/10/2020	4	118	118	47
09/10/2020	5	119	119	47
09/10/2020	6	121	121	49
09/10/2020	7	122	122	49
09/10/2020	8	139	139	55
09/10/2020	9	147	147	63
09/10/2020	10	150	150	69
09/10/2020	11	150	150	72
09/10/2020	12	150	150	71
09/10/2020	13	150	150	71
09/10/2020	14	150	150	73
09/10/2020	15	150	150	71
09/10/2020	16	150	150	69
09/10/2020	17	150	150	65
09/10/2020	18	150	150	66
09/10/2020	19	150	150	67
09/10/2020	20	150	150	65
09/10/2020	21	150	150	63
09/10/2020	22	150	150	60
09/10/2020	23	150	150	56
09/10/2020	24	136	136	53
09/11/2020	1	123	123	50
09/11/2020	2	122	122	49
09/11/2020	3	120	120	48
09/11/2020	4	119	119	48
09/11/2020	5	118	118	48
09/11/2020	6	122	122	49
09/11/2020	7	122	122	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/11/2020	8	129	129	54
09/11/2020	9	148	148	62
09/11/2020	10	150	150	66
09/11/2020	11	150	150	70
09/11/2020	12	150	150	68
09/11/2020	13	150	150	70
09/11/2020	14	150	150	73
09/11/2020	15	150	150	72
09/11/2020	16	150	150	69
09/11/2020	17	150	150	64
09/11/2020	18	150	150	65
09/11/2020	19	150	150	66
09/11/2020	20	150	150	64
09/11/2020	21	150	150	63
09/11/2020	22	150	150	61
09/11/2020	23	150	150	58
09/11/2020	24	136	136	55
09/12/2020	1	125	125	50
09/12/2020	2	122	122	49
09/12/2020	3	120	120	48
09/12/2020	4	118	118	48
09/12/2020	5	118	118	48
09/12/2020	6	122	122	48
09/12/2020	7	121	121	48
09/12/2020	8	128	128	51
09/12/2020	9	148	148	54
09/12/2020	10	150	150	59
09/12/2020	11	150	150	62
09/12/2020	12	150	150	62
09/12/2020	13	150	150	64
09/12/2020	14	150	150	66
09/12/2020	15	150	150	64
09/12/2020	16	150	150	63
09/12/2020	17	150	150	59
09/12/2020	18	150	150	62
09/12/2020	19	150	150	65
09/12/2020	20	150	150	64
09/12/2020	21	150	150	62
09/12/2020	22	150	150	59
09/12/2020	23	150	150	55
09/12/2020	24	137	137	53
09/13/2020	1	125	125	49
09/13/2020	2	122	122	48
09/13/2020	3	120	120	47
09/13/2020	4	118	118	46
09/13/2020	5	118	118	47
09/13/2020	6	122	122	46
09/13/2020	7	121	121	46
09/13/2020	8	128	128	48
09/13/2020	9	147	147	49
09/13/2020	10	150	150	53
09/13/2020	11	150	150	56
09/13/2020	12	150	150	56
09/13/2020	13	150	150	56
09/13/2020	14	150	150	58
09/13/2020	15	150	150	57
09/13/2020	16	150	150	55
09/13/2020	17	150	150	53
09/13/2020	18	150	150	59
09/13/2020	19	150	150	63
09/13/2020	20	150	150	62
09/13/2020	21	150	150	61
09/13/2020	22	147	147	59
09/13/2020	23	150	150	56
09/13/2020	24	137	137	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/14/2020	1	125	125	49
09/14/2020	2	122	122	47
09/14/2020	3	120	120	46
09/14/2020	4	118	118	45
09/14/2020	5	118	118	46
09/14/2020	6	122	122	48
09/14/2020	7	121	121	48
09/14/2020	8	128	128	54
09/14/2020	9	148	148	63
09/14/2020	10	150	150	68
09/14/2020	11	150	150	71
09/14/2020	12	150	150	70
09/14/2020	13	150	150	71
09/14/2020	14	150	150	72
09/14/2020	15	150	150	70
09/14/2020	16	150	150	67
09/14/2020	17	150	150	64
09/14/2020	18	150	150	65
09/14/2020	19	150	150	66
09/14/2020	20	150	150	64
09/14/2020	21	150	150	63
09/14/2020	22	147	147	58
09/14/2020	23	150	150	56
09/14/2020	24	142	142	54
09/15/2020	1	121	121	51
09/15/2020	2	120	120	50
09/15/2020	3	119	119	48
09/15/2020	4	117	117	46
09/15/2020	5	116	116	48
09/15/2020	6	120	120	48
09/15/2020	7	120	120	48
09/15/2020	8	127	127	55
09/15/2020	9	146	146	64
09/15/2020	10	150	150	68
09/15/2020	11	150	150	71
09/15/2020	12	150	150	71
09/15/2020	13	150	150	72
09/15/2020	14	150	150	73
09/15/2020	15	150	150	72
09/15/2020	16	150	150	69
09/15/2020	17	150	150	65
09/15/2020	18	150	150	66
09/15/2020	19	150	150	68
09/15/2020	20	150	150	66
09/15/2020	21	150	150	64
09/15/2020	22	146	146	60
09/15/2020	23	150	150	56
09/15/2020	24	134	134	54
09/16/2020	1	123	123	50
09/16/2020	2	120	120	48
09/16/2020	3	119	119	47
09/16/2020	4	118	118	47
09/16/2020	5	117	117	48
09/16/2020	6	121	121	48
09/16/2020	7	121	121	48
09/16/2020	8	128	128	54
09/16/2020	9	148	148	62
09/16/2020	10	150	150	67
09/16/2020	11	150	150	70
09/16/2020	12	150	150	69
09/16/2020	13	150	150	69
09/16/2020	14	150	150	72
09/16/2020	15	150	150	69
09/16/2020	16	150	150	65
09/16/2020	17	150	150	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/16/2020	18	150	150	66
09/16/2020	19	150	150	66
09/16/2020	20	150	150	63
09/16/2020	21	150	150	61
09/16/2020	22	148	148	58
09/16/2020	23	150	150	56
09/16/2020	24	134	134	52
09/17/2020	1	122	122	49
09/17/2020	2	120	120	48
09/17/2020	3	119	119	46
09/17/2020	4	118	118	45
09/17/2020	5	118	118	46
09/17/2020	6	120	120	48
09/17/2020	7	121	121	49
09/17/2020	8	127	127	54
09/17/2020	9	146	146	61
09/17/2020	10	150	150	66
09/17/2020	11	150	150	70
09/17/2020	12	150	150	69
09/17/2020	13	150	150	70
09/17/2020	14	150	150	72
09/17/2020	15	150	150	69
09/17/2020	16	150	150	65
09/17/2020	17	150	150	63
09/17/2020	18	150	150	64
09/17/2020	19	150	150	65
09/17/2020	20	149	149	63
09/17/2020	21	147	147	61
09/17/2020	22	143	143	57
09/17/2020	23	150	150	54
09/17/2020	24	133	133	51
09/18/2020	1	117	117	48
09/18/2020	2	116	116	47
09/18/2020	3	115	115	46
09/18/2020	4	115	115	45
09/18/2020	5	115	115	46
09/18/2020	6	117	117	48
09/18/2020	7	120	120	49
09/18/2020	8	125	125	53
09/18/2020	9	143	143	60
09/18/2020	10	149	149	64
09/18/2020	11	150	150	69
09/18/2020	12	150	150	67
09/18/2020	13	150	150	68
09/18/2020	14	150	150	72
09/18/2020	15	150	150	69
09/18/2020	16	150	150	67
09/18/2020	17	143	143	64
09/18/2020	18	147	147	66
09/18/2020	19	145	145	64
09/18/2020	20	144	144	62
09/18/2020	21	142	142	60
09/18/2020	22	139	139	56
09/18/2020	23	150	150	53
09/18/2020	24	129	129	49
09/19/2020	1	117	117	48
09/19/2020	2	116	116	46
09/19/2020	3	115	115	45
09/19/2020	4	115	115	45
09/19/2020	5	115	115	46
09/19/2020	6	117	117	46
09/19/2020	7	120	120	47
09/19/2020	8	124	124	50
09/19/2020	9	133	133	54
09/19/2020	10	150	150	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/19/2020	11	150	150	62
09/19/2020	12	150	150	61
09/19/2020	13	150	150	62
09/19/2020	14	150	150	66
09/19/2020	15	150	150	64
09/19/2020	16	150	150	62
09/19/2020	17	148	148	59
09/19/2020	18	147	147	63
09/19/2020	19	145	145	62
09/19/2020	20	146	146	60
09/19/2020	21	143	143	59
09/19/2020	22	140	140	55
09/19/2020	23	150	150	52
09/19/2020	24	134	134	49
09/20/2020	1	125	125	47
09/20/2020	2	124	124	45
09/20/2020	3	115	114	44
09/20/2020	4	112	110	44
09/20/2020	5	112	111	44
09/20/2020	6	122	122	46
09/20/2020	7	111	111	45
09/20/2020	8	110	110	46
09/20/2020	9	110	110	48
09/20/2020	10	131	131	52
09/20/2020	11	140	140	56
09/20/2020	12	150	150	56
09/20/2020	13	150	150	55
09/20/2020	14	150	150	56
09/20/2020	15	150	150	55
09/20/2020	16	150	150	53
09/20/2020	17	150	150	55
09/20/2020	18	150	150	60
09/20/2020	19	150	150	61
09/20/2020	20	150	150	61
09/20/2020	21	149	149	59
09/20/2020	22	148	148	56
09/20/2020	23	140	140	52
09/20/2020	24	136	136	49
09/22/2020	1	121	121	52
09/22/2020	2	119	119	50
09/22/2020	3	119	119	48
09/22/2020	4	118	118	47
09/22/2020	5	117	117	48
09/22/2020	6	120	120	49
09/22/2020	7	120	120	49
09/22/2020	8	126	126	54
09/22/2020	9	144	144	64
09/22/2020	10	150	150	68
09/22/2020	11	150	150	71
09/22/2020	12	150	150	71
09/22/2020	13	150	150	71
09/22/2020	14	150	150	73
09/22/2020	15	150	150	71
09/22/2020	16	150	150	68
09/22/2020	17	150	150	64
09/22/2020	18	150	150	65
09/22/2020	19	150	150	66
09/22/2020	20	150	150	64
09/22/2020	21	150	150	64
09/22/2020	22	143	143	61
09/22/2020	23	147	146	56
09/22/2020	24	132	132	54
09/23/2020	1	122	122	52
09/23/2020	2	121	121	50
09/23/2020	3	121	121	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/23/2020	4	120	120	48
09/23/2020	5	119	119	48
09/23/2020	6	122	122	49
09/23/2020	7	123	123	49
09/23/2020	8	127	127	55
09/23/2020	9	144	144	64
09/23/2020	10	150	150	69
09/23/2020	11	150	150	71
09/23/2020	12	150	150	70
09/23/2020	13	150	150	71
09/23/2020	14	150	150	74
09/23/2020	15	150	150	72
09/23/2020	16	150	150	69
09/23/2020	17	150	150	65
09/23/2020	18	150	150	67
09/23/2020	19	150	150	66
09/23/2020	20	149	149	66
09/23/2020	21	147	147	65
09/23/2020	22	144	144	60
09/23/2020	23	150	150	58
09/23/2020	24	135	135	55
09/24/2020	1	123	123	52
09/24/2020	2	121	121	50
09/24/2020	3	121	121	48
09/24/2020	4	120	120	48
09/24/2020	5	119	119	49
09/24/2020	6	122	122	50
09/24/2020	7	123	123	50
09/24/2020	8	128	128	56
09/24/2020	9	146	146	64
09/24/2020	10	150	150	70
09/24/2020	11	150	150	73
09/24/2020	12	150	150	72
09/24/2020	13	150	150	72
09/24/2020	14	150	150	75
09/24/2020	15	150	150	73
09/24/2020	16	150	150	71
09/24/2020	17	150	150	66
09/24/2020	18	150	150	69
09/24/2020	19	150	150	68
09/24/2020	20	148	148	67
09/24/2020	21	144	144	65
09/24/2020	22	143	143	62
09/24/2020	23	150	150	59
09/24/2020	24	134	134	55
09/25/2020	1	126	126	53
09/25/2020	2	124	124	51
09/25/2020	3	123	123	49
09/25/2020	4	123	123	49
09/25/2020	5	122	122	49
09/25/2020	6	124	124	50
09/25/2020	7	125	125	49
09/25/2020	8	129	129	56
09/25/2020	9	147	147	64
09/25/2020	10	150	150	70
09/25/2020	11	150	150	73
09/25/2020	12	150	150	71
09/25/2020	13	150	150	72
09/25/2020	14	150	150	75
09/25/2020	15	150	150	73
09/25/2020	16	150	150	71
09/25/2020	17	150	150	66
09/25/2020	18	150	150	70
09/25/2020	19	150	150	69
09/25/2020	20	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/25/2020	21	148	148	66
09/25/2020	22	146	146	64
09/25/2020	23	150	150	60
09/25/2020	24	139	139	56
09/26/2020	1	126	126	53
09/26/2020	2	125	125	51
09/26/2020	3	124	124	50
09/26/2020	4	123	123	48
09/26/2020	5	124	124	48
09/26/2020	6	124	124	49
09/26/2020	7	125	125	49
09/26/2020	8	128	128	51
09/26/2020	9	140	140	56
09/26/2020	10	148	148	61
09/26/2020	11	150	150	64
09/26/2020	12	150	150	64
09/26/2020	13	150	150	64
09/26/2020	14	150	150	66
09/26/2020	15	150	150	65
09/26/2020	16	150	150	63
09/26/2020	17	149	149	60
09/26/2020	18	150	150	64
09/26/2020	19	148	148	66
09/26/2020	20	148	148	64
09/26/2020	21	147	147	63
09/26/2020	22	145	145	60
09/26/2020	23	150	150	56
09/26/2020	24	139	139	53
09/27/2020	1	130	130	51
09/27/2020	2	125	125	49
09/27/2020	3	124	124	48
09/27/2020	4	123	123	47
09/27/2020	5	124	124	47
09/27/2020	6	115	115	46
09/27/2020	7	115	115	46
09/27/2020	8	115	115	46
09/27/2020	9	115	115	49
09/27/2020	10	135	135	53
09/27/2020	11	135	134	56
09/27/2020	12	133	132	56
09/27/2020	13	135	134	56
09/27/2020	14	135	134	56
09/27/2020	15	131	130	55
09/27/2020	16	130	130	54
09/27/2020	17	130	130	53
09/27/2020	18	150	150	60
09/27/2020	19	150	150	62
09/27/2020	20	150	150	62
09/27/2020	21	150	150	61
09/27/2020	22	149	149	58
09/27/2020	23	150	150	55
09/27/2020	24	138	138	52
09/28/2020	1	127	127	49
09/28/2020	2	125	125	48
09/28/2020	3	124	124	47
09/28/2020	4	123	123	46
09/28/2020	5	124	124	47
09/28/2020	6	124	124	48
09/28/2020	7	124	124	48
09/28/2020	8	126	126	54
09/28/2020	9	129	129	63
09/28/2020	10	141	141	68
09/28/2020	11	150	150	70
09/28/2020	12	150	150	70
09/28/2020	13	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/28/2020	14	150	150	72
09/28/2020	15	150	150	70
09/28/2020	16	150	150	68
09/28/2020	17	150	150	64
09/28/2020	18	150	150	65
09/28/2020	19	150	150	66
09/28/2020	20	150	150	65
09/28/2020	21	150	150	64
09/28/2020	22	149	149	61
09/28/2020	23	150	150	57
09/28/2020	24	138	138	54
09/29/2020	1	121	120	49
09/29/2020	2	122	121	48
09/29/2020	3	120	120	46
09/29/2020	4	119	119	46
09/29/2020	5	121	121	47
09/29/2020	6	123	123	48
09/29/2020	7	120	120	48
09/29/2020	8	130	130	54
09/29/2020	9	142	142	62
09/29/2020	10	148	148	68
09/29/2020	11	150	150	72
09/29/2020	12	150	150	71
09/29/2020	13	150	150	72
09/29/2020	14	150	150	74
09/29/2020	15	150	150	74
09/29/2020	16	150	150	71
09/29/2020	17	148	148	66
09/29/2020	18	150	150	68
09/29/2020	19	143	143	68
09/29/2020	20	141	140	67
09/29/2020	21	140	140	65
09/29/2020	22	137	137	62
09/29/2020	23	149	149	57
09/29/2020	24	130	130	54
09/30/2020	1	125	125	52
09/30/2020	2	125	125	51
09/30/2020	3	123	123	49
09/30/2020	4	122	122	48
09/30/2020	5	122	122	48
09/30/2020	6	124	124	50
09/30/2020	7	124	124	50
09/30/2020	8	139	139	55
09/30/2020	9	149	149	64
09/30/2020	10	150	150	69
09/30/2020	11	150	150	72
09/30/2020	12	150	150	71
09/30/2020	13	150	150	71
09/30/2020	14	150	150	74
09/30/2020	15	150	150	73
09/30/2020	16	150	150	70
09/30/2020	17	150	150	65
09/30/2020	18	150	150	69
09/30/2020	19	150	150	69
09/30/2020	20	150	150	67
09/30/2020	21	150	150	65
09/30/2020	22	150	150	61
09/30/2020	23	150	150	58
09/30/2020	24	141	141	54
10/01/2020	1	128	128	52
10/01/2020	2	126	126	50
10/01/2020	3	124	124	50
10/01/2020	4	124	124	49
10/01/2020	5	124	124	50
10/01/2020	6	125	125	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/01/2020	7	125	125	50
10/01/2020	8	131	131	56
10/01/2020	9	149	149	64
10/01/2020	10	150	150	69
10/01/2020	11	150	150	72
10/01/2020	12	150	150	69
10/01/2020	13	150	150	69
10/01/2020	14	150	150	73
10/01/2020	15	150	150	71
10/01/2020	16	150	150	69
10/01/2020	17	150	150	66
10/01/2020	18	150	150	66
10/01/2020	19	150	150	65
10/01/2020	20	150	150	62
10/01/2020	21	150	150	62
10/01/2020	22	148	148	58
10/01/2020	23	150	150	55
10/01/2020	24	139	139	53
10/02/2020	1	130	130	50
10/02/2020	2	130	130	48
10/02/2020	3	130	130	47
10/02/2020	4	130	130	46
10/02/2020	5	130	130	47
10/02/2020	6	130	130	49
10/02/2020	7	130	130	48
10/02/2020	8	130	129	54
10/02/2020	9	146	146	62
10/02/2020	10	150	150	66
10/02/2020	11	150	150	70
10/02/2020	12	150	150	69
10/02/2020	13	150	150	70
10/02/2020	14	150	150	72
10/02/2020	15	150	150	72
10/02/2020	16	150	150	68
10/02/2020	17	150	150	65
10/02/2020	18	150	150	67
10/02/2020	19	150	150	67
10/02/2020	20	149	149	65
10/02/2020	21	149	149	64
10/02/2020	22	148	148	61
10/02/2020	23	150	150	57
10/02/2020	24	139	139	54
10/03/2020	1	130	130	53
10/03/2020	2	128	128	51
10/03/2020	3	126	126	50
10/03/2020	4	123	123	49
10/03/2020	5	123	123	49
10/03/2020	6	125	125	49
10/03/2020	7	125	125	48
10/03/2020	8	130	130	51
10/03/2020	9	148	148	57
10/03/2020	10	148	148	61
10/03/2020	11	150	150	64
10/03/2020	12	150	150	63
10/03/2020	13	150	150	62
10/03/2020	14	150	150	64
10/03/2020	15	150	149	62
10/03/2020	16	148	148	60
10/03/2020	17	150	150	58
10/03/2020	18	150	150	66
10/03/2020	19	150	150	65
10/03/2020	20	149	149	63
10/03/2020	21	148	148	61
10/03/2020	22	148	148	57
10/03/2020	23	145	145	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/03/2020	24	138	138	51
10/04/2020	1	125	125	52
10/04/2020	2	124	124	50
10/04/2020	3	123	123	49
10/04/2020	4	122	122	48
10/04/2020	5	123	123	48
10/04/2020	6	123	123	47
10/04/2020	7	123	123	47
10/04/2020	8	125	125	48
10/04/2020	9	142	142	51
10/04/2020	10	150	150	55
10/04/2020	11	150	150	58
10/04/2020	12	150	150	56
10/04/2020	13	150	150	57
10/04/2020	14	150	150	57
10/04/2020	15	150	150	56
10/04/2020	16	150	150	54
10/04/2020	17	150	150	53
10/04/2020	18	150	150	60
10/04/2020	19	150	150	63
10/04/2020	20	150	150	63
10/04/2020	21	150	150	62
10/04/2020	22	150	150	59
10/04/2020	23	150	150	55
10/04/2020	24	140	140	53
10/05/2020	1	122	121	50
10/05/2020	2	120	120	48
10/05/2020	3	117	117	47
10/05/2020	4	115	115	46
10/05/2020	5	116	115	46
10/05/2020	6	120	120	48
10/05/2020	7	120	120	48
10/05/2020	8	125	125	54
10/05/2020	9	141	141	62
10/05/2020	10	150	150	67
10/05/2020	11	150	150	69
10/05/2020	12	150	150	70
10/05/2020	13	150	150	70
10/05/2020	14	150	150	73
10/05/2020	15	150	150	71
10/05/2020	16	150	150	68
10/05/2020	17	150	150	64
10/05/2020	18	150	150	68
10/05/2020	19	150	150	67
10/05/2020	20	150	150	65
10/05/2020	21	150	150	65
10/05/2020	22	150	150	60
10/05/2020	23	150	150	57
10/05/2020	24	140	140	55
10/06/2020	1	131	131	52
10/06/2020	2	128	128	50
10/06/2020	3	127	127	49
10/06/2020	4	127	127	48
10/06/2020	5	126	126	50
10/06/2020	6	129	129	51
10/06/2020	7	129	129	50
10/06/2020	8	135	135	55
10/06/2020	9	148	148	64
10/06/2020	10	150	150	68
10/06/2020	11	150	150	72
10/06/2020	12	150	150	71
10/06/2020	13	150	150	72
10/06/2020	14	150	150	74
10/06/2020	15	150	150	72
10/06/2020	16	150	150	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/06/2020	17	150	150	65
10/06/2020	18	150	150	68
10/06/2020	19	150	150	67
10/06/2020	20	150	150	66
10/06/2020	21	150	150	64
10/06/2020	22	150	150	60
10/06/2020	23	150	150	57
10/06/2020	24	143	143	54
10/07/2020	1	128	128	50
10/07/2020	2	127	127	49
10/07/2020	3	127	127	48
10/07/2020	4	125	125	47
10/07/2020	5	126	126	48
10/07/2020	6	127	127	49
10/07/2020	7	127	127	49
10/07/2020	8	132	132	55
10/07/2020	9	146	146	64
10/07/2020	10	150	150	68
10/07/2020	11	150	150	72
10/07/2020	12	150	150	70
10/07/2020	13	150	150	71
10/07/2020	14	150	150	74
10/07/2020	15	150	150	72
10/07/2020	16	150	150	70
10/07/2020	17	150	150	66
10/07/2020	18	150	150	69
10/07/2020	19	150	150	67
10/07/2020	20	150	150	66
10/07/2020	21	150	150	64
10/07/2020	22	150	150	60
10/07/2020	23	150	150	58
10/07/2020	24	143	143	55
10/08/2020	1	124	124	50
10/08/2020	2	123	123	49
10/08/2020	3	122	122	49
10/08/2020	4	121	121	48
10/08/2020	5	121	121	49
10/08/2020	6	124	124	51
10/08/2020	7	124	124	50
10/08/2020	8	131	131	56
10/08/2020	9	146	146	63
10/08/2020	10	150	150	68
10/08/2020	11	150	150	72
10/08/2020	12	150	150	69
10/08/2020	13	150	150	69
10/08/2020	14	150	150	73
10/08/2020	15	150	150	71
10/08/2020	16	150	150	68
10/08/2020	17	150	150	65
10/08/2020	18	150	150	67
10/08/2020	19	150	150	65
10/08/2020	20	150	150	63
10/08/2020	21	149	149	62
10/08/2020	22	147	147	58
10/08/2020	23	150	150	55
10/08/2020	24	141	141	53
10/09/2020	1	150	150	54
10/09/2020	2	150	150	52
10/09/2020	3	150	150	51
10/09/2020	4	150	150	50
10/09/2020	5	150	150	52
10/09/2020	6	150	150	53
10/09/2020	7	150	148	51
10/09/2020	8	150	150	54
10/09/2020	9	150	150	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/09/2020	10	150	150	64
10/09/2020	11	150	150	68
10/09/2020	12	150	150	68
10/09/2020	13	150	150	69
10/09/2020	14	150	150	70
10/09/2020	15	150	150	69
10/09/2020	16	150	150	68
10/09/2020	17	150	150	66
10/09/2020	18	150	150	71
10/09/2020	19	150	150	67
10/09/2020	20	150	150	66
10/09/2020	21	150	150	64
10/09/2020	22	150	150	60
10/09/2020	23	150	150	58
10/09/2020	24	150	150	54
10/10/2020	1	130	130	49
10/10/2020	2	128	128	48
10/10/2020	3	126	126	46
10/10/2020	4	125	125	45
10/10/2020	5	125	125	45
10/10/2020	6	126	126	48
10/10/2020	7	126	126	46
10/10/2020	8	130	130	50
10/10/2020	9	132	132	55
10/10/2020	10	137	137	59
10/10/2020	11	150	150	62
10/10/2020	12	150	150	62
10/10/2020	13	150	150	62
10/10/2020	14	150	150	64
10/10/2020	15	150	150	62
10/10/2020	16	150	150	60
10/10/2020	17	150	150	59
10/10/2020	18	150	150	65
10/10/2020	19	147	147	64
10/10/2020	20	147	147	63
10/10/2020	21	147	147	61
10/10/2020	22	146	146	57
10/10/2020	23	150	150	54
10/10/2020	24	141	141	51
10/11/2020	1	127	127	48
10/11/2020	2	120	120	47
10/11/2020	3	118	118	45
10/11/2020	4	118	118	45
10/11/2020	5	117	117	45
10/11/2020	6	118	118	45
10/11/2020	7	117	117	46
10/11/2020	8	123	123	46
10/11/2020	9	124	124	48
10/11/2020	10	138	138	52
10/11/2020	11	150	150	55
10/11/2020	12	150	150	55
10/11/2020	13	150	150	55
10/11/2020	14	150	150	56
10/11/2020	15	150	150	54
10/11/2020	16	150	150	53
10/11/2020	17	150	150	52
10/11/2020	18	150	150	61
10/11/2020	19	150	150	60
10/11/2020	20	150	150	60
10/11/2020	21	150	150	59
10/11/2020	22	150	150	55
10/11/2020	23	150	150	54
10/11/2020	24	137	137	51
10/12/2020	1	126	126	49
10/12/2020	2	124	124	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/12/2020	3	123	123	47
10/12/2020	4	122	122	46
10/12/2020	5	122	122	47
10/12/2020	6	125	125	48
10/12/2020	7	125	125	48
10/12/2020	8	125	125	54
10/12/2020	9	144	144	62
10/12/2020	10	150	150	67
10/12/2020	11	150	150	70
10/12/2020	12	150	150	70
10/12/2020	13	150	150	70
10/12/2020	14	150	150	72
10/12/2020	15	150	150	70
10/12/2020	16	150	150	68
10/12/2020	17	150	150	64
10/12/2020	18	148	148	67
10/12/2020	19	144	144	66
10/12/2020	20	141	141	65
10/12/2020	21	140	140	63
10/12/2020	22	138	138	58
10/12/2020	23	150	150	57
10/12/2020	24	137	137	53
10/13/2020	1	115	115	51
10/13/2020	2	115	115	50
10/13/2020	3	115	115	49
10/13/2020	4	115	115	48
10/13/2020	5	115	115	49
10/13/2020	6	115	115	51
10/13/2020	7	115	115	50
10/13/2020	8	128	128	55
10/13/2020	9	146	146	63
10/13/2020	10	150	150	68
10/13/2020	11	150	150	71
10/13/2020	12	150	150	70
10/13/2020	13	150	150	70
10/13/2020	14	150	150	73
10/13/2020	15	150	150	72
10/13/2020	16	150	150	69
10/13/2020	17	150	150	65
10/13/2020	18	150	150	67
10/13/2020	19	150	150	66
10/13/2020	20	150	150	65
10/13/2020	21	149	149	63
10/13/2020	22	148	148	60
10/13/2020	23	144	144	57
10/13/2020	24	135	135	53
10/14/2020	1	115	115	50
10/14/2020	2	115	115	48
10/14/2020	3	115	115	47
10/14/2020	4	115	115	46
10/14/2020	5	115	115	47
10/14/2020	6	115	115	49
10/14/2020	7	115	115	48
10/14/2020	8	128	128	54
10/14/2020	9	144	144	62
10/14/2020	10	150	150	67
10/14/2020	11	150	150	70
10/14/2020	12	150	150	69
10/14/2020	13	150	150	70
10/14/2020	14	150	150	72
10/14/2020	15	150	150	72
10/14/2020	16	150	150	69
10/14/2020	17	150	150	66
10/14/2020	18	150	150	69
10/14/2020	19	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/14/2020	20	149	149	67
10/14/2020	21	148	148	65
10/14/2020	22	146	146	61
10/14/2020	23	150	150	57
10/14/2020	24	135	135	54
10/15/2020	1	124	124	52
10/15/2020	2	116	115	50
10/15/2020	3	115	115	48
10/15/2020	4	115	115	47
10/15/2020	5	115	115	48
10/15/2020	6	116	115	50
10/15/2020	7	115	115	50
10/15/2020	8	130	130	54
10/15/2020	9	145	145	62
10/15/2020	10	150	150	66
10/15/2020	11	150	150	70
10/15/2020	12	150	150	69
10/15/2020	13	150	150	69
10/15/2020	14	150	150	72
10/15/2020	15	150	150	70
10/15/2020	16	150	150	68
10/15/2020	17	150	150	67
10/15/2020	18	149	149	69
10/15/2020	19	146	146	66
10/15/2020	20	146	146	64
10/15/2020	21	146	146	63
10/15/2020	22	143	143	59
10/15/2020	23	145	145	56
10/15/2020	24	135	135	53
10/16/2020	1	115	115	50
10/16/2020	2	115	115	48
10/16/2020	3	115	115	47
10/16/2020	4	115	115	46
10/16/2020	5	115	115	47
10/16/2020	6	115	115	49
10/16/2020	7	115	115	49
10/16/2020	8	127	127	54
10/16/2020	9	144	144	62
10/16/2020	10	150	150	65
10/16/2020	11	150	150	69
10/16/2020	12	150	150	67
10/16/2020	13	150	150	68
10/16/2020	14	150	150	70
10/16/2020	15	150	150	69
10/16/2020	16	150	150	67
10/16/2020	17	150	150	64
10/16/2020	18	150	150	68
10/16/2020	19	148	148	66
10/16/2020	20	148	148	65
10/16/2020	21	147	147	63
10/16/2020	22	144	144	59
10/16/2020	23	145	145	56
10/16/2020	24	134	133	53
10/17/2020	1	124	124	51
10/17/2020	2	123	123	49
10/17/2020	3	115	115	48
10/17/2020	4	115	115	47
10/17/2020	5	115	115	47
10/17/2020	6	115	115	47
10/17/2020	7	115	115	47
10/17/2020	8	125	125	50
10/17/2020	9	135	135	55
10/17/2020	10	135	135	59
10/17/2020	11	150	150	62
10/17/2020	12	145	145	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/17/2020	13	147	147	62
10/17/2020	14	150	150	63
10/17/2020	15	150	150	62
10/17/2020	16	145	145	60
10/17/2020	17	145	145	58
10/17/2020	18	150	150	65
10/17/2020	19	148	148	64
10/17/2020	20	148	148	63
10/17/2020	21	147	147	62
10/17/2020	22	145	145	58
10/17/2020	23	145	145	55
10/17/2020	24	133	133	51
10/18/2020	1	126	126	51
10/18/2020	2	125	125	50
10/18/2020	3	123	123	48
10/18/2020	4	120	119	47
10/18/2020	5	116	116	47
10/18/2020	6	117	116	46
10/18/2020	7	102	102	46
10/18/2020	8	99	99	47
10/18/2020	9	98	97	49
10/18/2020	10	115	115	52
10/18/2020	11	115	115	56
10/18/2020	12	115	115	56
10/18/2020	13	115	115	56
10/18/2020	14	115	115	57
10/18/2020	15	115	115	56
10/18/2020	16	115	115	54
10/18/2020	17	115	115	54
10/18/2020	18	150	150	61
10/18/2020	19	150	150	60
10/18/2020	20	150	150	59
10/18/2020	21	145	142	59
10/18/2020	22	130	130	56
10/18/2020	23	126	125	53
10/18/2020	24	110	110	51
10/19/2020	1	115	115	49
10/19/2020	2	115	115	47
10/19/2020	3	115	115	46
10/19/2020	4	110	110	45
10/19/2020	5	112	112	46
10/19/2020	6	115	115	48
10/19/2020	7	115	115	48
10/19/2020	8	124	124	54
10/19/2020	9	139	139	63
10/19/2020	10	150	150	67
10/19/2020	11	150	150	69
10/19/2020	12	150	150	70
10/19/2020	13	150	150	70
10/19/2020	14	150	150	72
10/19/2020	15	150	150	71
10/19/2020	16	150	150	68
10/19/2020	17	150	150	65
10/19/2020	18	150	150	68
10/19/2020	19	150	150	67
10/19/2020	20	150	150	65
10/19/2020	21	150	150	64
10/19/2020	22	150	150	59
10/19/2020	23	145	145	57
10/19/2020	24	139	139	54
10/20/2020	1	116	116	50
10/20/2020	2	115	115	49
10/20/2020	3	114	114	48
10/20/2020	4	113	113	47
10/20/2020	5	114	114	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/20/2020	6	115	115	50
10/20/2020	7	115	115	50
10/20/2020	8	120	120	54
10/20/2020	9	138	138	63
10/20/2020	10	147	147	66
10/20/2020	11	150	150	70
10/20/2020	12	150	150	67
10/20/2020	13	150	150	69
10/20/2020	14	150	150	71
10/20/2020	15	150	150	69
10/20/2020	16	150	150	67
10/20/2020	17	146	146	64
10/20/2020	18	145	145	67
10/20/2020	19	142	142	65
10/20/2020	20	139	139	63
10/20/2020	21	138	138	61
10/20/2020	22	135	135	57
10/20/2020	23	149	149	54
10/20/2020	24	128	128	51
10/21/2020	1	118	118	50
10/21/2020	2	116	116	49
10/21/2020	3	115	115	47
10/21/2020	4	117	117	46
10/21/2020	5	115	115	47
10/21/2020	6	116	116	51
10/21/2020	7	116	116	50
10/21/2020	8	122	122	55
10/21/2020	9	136	136	63
10/21/2020	10	147	147	67
10/21/2020	11	148	148	70
10/21/2020	12	150	150	68
10/21/2020	13	150	150	69
10/21/2020	14	150	150	72
10/21/2020	15	150	150	71
10/21/2020	16	149	149	68
10/21/2020	17	142	142	65
10/21/2020	18	140	140	68
10/21/2020	19	136	136	67
10/21/2020	20	136	136	65
10/21/2020	21	135	135	63
10/21/2020	22	135	135	59
10/21/2020	23	144	144	56
10/21/2020	24	129	129	53
10/22/2020	1	116	116	51
10/22/2020	2	116	116	49
10/22/2020	3	115	115	48
10/22/2020	4	113	113	47
10/22/2020	5	115	115	48
10/22/2020	6	117	117	50
10/22/2020	7	116	116	49
10/22/2020	8	123	123	55
10/22/2020	9	143	143	63
10/22/2020	10	150	150	67
10/22/2020	11	150	150	70
10/22/2020	12	150	150	69
10/22/2020	13	150	150	69
10/22/2020	14	150	150	72
10/22/2020	15	150	150	70
10/22/2020	16	150	150	68
10/22/2020	17	149	149	67
10/22/2020	18	150	150	70
10/22/2020	19	146	146	66
10/22/2020	20	147	147	65
10/22/2020	21	145	145	63
10/22/2020	22	143	143	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/22/2020	23	150	150	56
10/22/2020	24	135	135	53
10/23/2020	1	114	114	49
10/23/2020	2	111	111	48
10/23/2020	3	98	98	47
10/23/2020	4	95	94	46
10/23/2020	5	112	112	47
10/23/2020	6	115	115	49
10/23/2020	7	114	114	49
10/23/2020	8	120	120	55
10/23/2020	9	128	128	62
10/23/2020	10	140	140	67
10/23/2020	11	150	150	71
10/23/2020	12	150	150	69
10/23/2020	13	150	150	70
10/23/2020	14	150	150	72
10/23/2020	15	150	150	71
10/23/2020	16	149	149	68
10/23/2020	17	149	149	65
10/23/2020	18	150	150	68
10/23/2020	19	144	144	66
10/23/2020	20	143	143	65
10/23/2020	21	142	142	64
10/23/2020	22	138	138	61
10/23/2020	23	150	150	56
10/23/2020	24	133	133	52
10/24/2020	1	121	121	51
10/24/2020	2	120	120	50
10/24/2020	3	119	119	48
10/24/2020	4	114	114	47
10/24/2020	5	119	119	48
10/24/2020	6	121	121	49
10/24/2020	7	104	104	48
10/24/2020	8	125	125	52
10/24/2020	9	128	128	57
10/24/2020	10	140	140	61
10/24/2020	11	150	150	64
10/24/2020	12	150	150	63
10/24/2020	13	150	150	65
10/24/2020	14	150	150	65
10/24/2020	15	150	150	63
10/24/2020	16	150	150	61
10/24/2020	17	150	150	61
10/24/2020	18	150	150	68
10/24/2020	19	145	145	66
10/24/2020	20	144	144	63
10/24/2020	21	141	141	62
10/24/2020	22	137	137	58
10/24/2020	23	150	150	55
10/24/2020	24	134	134	53
10/25/2020	1	115	115	51
10/25/2020	2	115	115	50
10/25/2020	3	114	113	48
10/25/2020	4	108	107	47
10/25/2020	5	105	105	47
10/25/2020	6	108	107	47
10/25/2020	7	105	105	47
10/25/2020	8	110	110	48
10/25/2020	9	130	130	51
10/25/2020	10	140	140	54
10/25/2020	11	145	145	57
10/25/2020	12	140	140	55
10/25/2020	13	140	140	56
10/25/2020	14	140	140	56
10/25/2020	15	135	135	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/25/2020	16	135	135	54
10/25/2020	17	140	140	55
10/25/2020	18	148	148	62
10/25/2020	19	140	139	61
10/25/2020	20	140	140	60
10/25/2020	21	140	140	58
10/25/2020	22	137	137	55
10/25/2020	23	135	135	53
10/25/2020	24	125	124	50
10/26/2020	1	126	126	50
10/26/2020	2	116	116	48
10/26/2020	3	110	109	47
10/26/2020	4	105	105	46
10/26/2020	5	109	108	46
10/26/2020	6	120	119	48
10/26/2020	7	125	122	48
10/26/2020	8	130	130	54
10/26/2020	9	146	146	62
10/26/2020	10	150	150	67
10/26/2020	11	150	150	70
10/26/2020	12	150	150	70
10/26/2020	13	150	150	70
10/26/2020	14	150	150	72
10/26/2020	15	150	150	71
10/26/2020	16	150	150	68
10/26/2020	17	150	150	65
10/26/2020	18	150	150	69
10/26/2020	19	149	149	67
10/26/2020	20	147	147	65
10/26/2020	21	144	144	64
10/26/2020	22	142	142	60
10/26/2020	23	150	150	57
10/26/2020	24	137	137	54
10/27/2020	1	110	110	50
10/27/2020	2	105	105	49
10/27/2020	3	105	105	48
10/27/2020	4	105	105	47
10/27/2020	5	105	105	48
10/27/2020	6	110	110	49
10/27/2020	7	105	105	49
10/27/2020	8	122	122	55
10/27/2020	9	138	138	63
10/27/2020	10	150	150	67
10/27/2020	11	150	150	70
10/27/2020	12	150	150	69
10/27/2020	13	150	150	69
10/27/2020	14	150	150	71
10/27/2020	15	150	150	71
10/27/2020	16	150	150	68
10/27/2020	17	150	150	66
10/27/2020	18	150	150	68
10/27/2020	19	147	147	66
10/27/2020	20	145	145	63
10/27/2020	21	144	144	63
10/27/2020	22	140	140	59
10/27/2020	23	145	145	56
10/27/2020	24	125	125	53
10/28/2020	1	105	105	50
10/28/2020	2	105	105	49
10/28/2020	3	105	105	47
10/28/2020	4	105	105	46
10/28/2020	5	105	105	47
10/28/2020	6	110	110	50
10/28/2020	7	110	110	49
10/28/2020	8	120	119	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/28/2020	9	140	140	63
10/28/2020	10	150	150	66
10/28/2020	11	150	150	70
10/28/2020	12	150	150	69
10/28/2020	13	150	150	70
10/28/2020	14	150	150	72
10/28/2020	15	150	150	71
10/28/2020	16	150	150	68
10/28/2020	17	150	150	65
10/28/2020	18	150	150	69
10/28/2020	19	150	150	67
10/28/2020	20	150	150	66
10/28/2020	21	144	144	64
10/28/2020	22	140	140	60
10/28/2020	23	145	145	57
10/28/2020	24	125	125	53
10/29/2020	1	110	110	50
10/29/2020	2	106	105	49
10/29/2020	3	105	105	47
10/29/2020	4	105	105	47
10/29/2020	5	105	105	48
10/29/2020	6	110	110	49
10/29/2020	7	110	110	50
10/29/2020	8	121	121	55
10/29/2020	9	141	141	63
10/29/2020	10	150	150	67
10/29/2020	11	150	150	70
10/29/2020	12	150	150	69
10/29/2020	13	150	150	70
10/29/2020	14	150	150	72
10/29/2020	15	150	150	69
10/29/2020	16	148	148	67
10/29/2020	17	150	150	66
10/29/2020	18	150	150	68
10/29/2020	19	148	148	66
10/29/2020	20	146	146	65
10/29/2020	21	144	144	62
10/29/2020	22	141	141	58
10/29/2020	23	140	140	55
10/29/2020	24	120	120	52
10/30/2020	1	115	115	51
10/30/2020	2	115	115	50
10/30/2020	3	110	110	48
10/30/2020	4	110	110	47
10/30/2020	5	115	115	47
10/30/2020	6	115	115	50
10/30/2020	7	115	115	50
10/30/2020	8	125	125	55
10/30/2020	9	128	128	64
10/30/2020	10	141	141	68
10/30/2020	11	150	150	70
10/30/2020	12	149	148	69
10/30/2020	13	150	150	70
10/30/2020	14	150	150	71
10/30/2020	15	149	149	70
10/30/2020	16	149	149	68
10/30/2020	17	150	150	66
10/30/2020	18	150	150	69
10/30/2020	19	150	150	66
10/30/2020	20	150	150	65
10/30/2020	21	144	144	63
10/30/2020	22	138	138	59
10/30/2020	23	140	140	56
10/30/2020	24	121	121	51
10/31/2020	1	126	126	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/31/2020	2	125	125	47
10/31/2020	3	124	124	45
10/31/2020	4	123	123	44
10/31/2020	5	123	123	46
10/31/2020	6	124	124	46
10/31/2020	7	124	124	46
10/31/2020	8	129	129	50
10/31/2020	9	146	146	54
10/31/2020	10	150	150	58
10/31/2020	11	150	150	60
10/31/2020	12	150	150	59
10/31/2020	13	150	150	60
10/31/2020	14	150	150	61
10/31/2020	15	150	150	58
10/31/2020	16	150	150	56
10/31/2020	17	150	150	58
10/31/2020	18	150	150	63
10/31/2020	19	150	150	61
10/31/2020	20	150	150	59
10/31/2020	21	150	150	58
10/31/2020	22	146	146	54
10/31/2020	23	150	150	51
10/31/2020	24	139	139	48
11/01/2020	1	117	117	46
11/01/2020	2	108	105	45
11/01/2020	3	84	84	43
11/01/2020	4	75	75	42
11/01/2020	5	75	75	42
11/01/2020	6	75	75	43
11/01/2020	7	78	78	42
11/01/2020	8	79	79	44
11/01/2020	9	92	92	46
11/01/2020	10	107	107	49
11/01/2020	11	109	109	51
11/01/2020	12	108	108	51
11/01/2020	13	109	109	51
11/01/2020	14	112	112	52
11/01/2020	15	104	104	50
11/01/2020	16	112	112	50
11/01/2020	17	117	117	51
11/01/2020	18	148	148	58
11/01/2020	19	148	148	56
11/01/2020	20	148	148	55
11/01/2020	21	147	147	54
11/01/2020	22	136	136	50
11/01/2020	23	122	122	48
11/01/2020	24	95	95	46
11/02/2020	1	95	95	43
11/02/2020	2	95	95	42
11/02/2020	3	85	85	41
11/02/2020	4	77	77	40
11/02/2020	5	80	79	41
11/02/2020	6	80	80	41
11/02/2020	7	79	79	41
11/02/2020	8	95	95	44
11/02/2020	9	103	102	47
11/02/2020	10	115	115	51
11/02/2020	11	125	125	56
11/02/2020	12	127	126	57
11/02/2020	13	135	135	57
11/02/2020	14	140	140	60
11/02/2020	15	132	132	58
11/02/2020	16	125	125	56
11/02/2020	17	130	130	55
11/02/2020	18	150	150	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/02/2020	19	147	146	61
11/02/2020	20	140	140	59
11/02/2020	21	133	133	57
11/02/2020	22	128	127	53
11/02/2020	23	125	125	50
11/02/2020	24	115	115	46
11/03/2020	1	126	126	50
11/03/2020	2	125	125	49
11/03/2020	3	123	123	48
11/03/2020	4	122	122	47
11/03/2020	5	123	123	48
11/03/2020	6	125	125	49
11/03/2020	7	125	125	49
11/03/2020	8	130	130	55
11/03/2020	9	146	146	64
11/03/2020	10	150	150	67
11/03/2020	11	150	150	71
11/03/2020	12	150	150	69
11/03/2020	13	150	150	70
11/03/2020	14	150	150	71
11/03/2020	15	150	150	69
11/03/2020	16	150	150	67
11/03/2020	17	150	150	66
11/03/2020	18	150	150	70
11/03/2020	19	149	149	67
11/03/2020	20	147	147	65
11/03/2020	21	144	144	64
11/03/2020	22	142	142	59
11/03/2020	23	150	150	56
11/03/2020	24	137	137	53
11/04/2020	1	119	119	51
11/04/2020	2	117	117	49
11/04/2020	3	116	116	48
11/04/2020	4	115	115	47
11/04/2020	5	115	115	48
11/04/2020	6	117	117	50
11/04/2020	7	118	118	50
11/04/2020	8	122	122	55
11/04/2020	9	137	137	63
11/04/2020	10	150	150	66
11/04/2020	11	150	150	70
11/04/2020	12	150	150	69
11/04/2020	13	150	150	70
11/04/2020	14	150	150	72
11/04/2020	15	150	150	71
11/04/2020	16	150	150	68
11/04/2020	17	150	150	65
11/04/2020	18	150	150	69
11/04/2020	19	148	148	67
11/04/2020	20	146	146	66
11/04/2020	21	145	145	64
11/04/2020	22	140	140	60
11/04/2020	23	149	149	54
11/04/2020	24	131	131	50
11/05/2020	1	121	121	48
11/05/2020	2	115	115	46
11/05/2020	3	115	115	45
11/05/2020	4	113	113	44
11/05/2020	5	113	113	44
11/05/2020	6	119	119	47
11/05/2020	7	120	120	48
11/05/2020	8	126	126	52
11/05/2020	9	139	139	60
11/05/2020	10	150	150	66
11/05/2020	11	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/05/2020	12	150	150	68
11/05/2020	13	150	150	69
11/05/2020	14	150	150	72
11/05/2020	15	150	150	70
11/05/2020	16	150	150	68
11/05/2020	17	150	150	66
11/05/2020	18	150	150	69
11/05/2020	19	150	150	66
11/05/2020	20	150	150	65
11/05/2020	21	144	144	62
11/05/2020	22	142	142	59
11/05/2020	23	150	150	55
11/05/2020	24	134	134	51
11/06/2020	1	121	121	51
11/06/2020	2	121	121	49
11/06/2020	3	120	120	48
11/06/2020	4	118	118	47
11/06/2020	5	119	119	48
11/06/2020	6	122	122	50
11/06/2020	7	123	123	49
11/06/2020	8	128	128	55
11/06/2020	9	140	140	64
11/06/2020	10	150	150	68
11/06/2020	11	150	150	72
11/06/2020	12	150	150	71
11/06/2020	13	150	150	71
11/06/2020	14	150	150	72
11/06/2020	15	150	150	71
11/06/2020	16	150	150	69
11/06/2020	17	150	150	66
11/06/2020	18	150	150	70
11/06/2020	19	150	150	66
11/06/2020	20	149	149	66
11/06/2020	21	147	147	64
11/06/2020	22	144	144	60
11/06/2020	23	150	150	57
11/06/2020	24	136	136	53
11/07/2020	1	122	122	49
11/07/2020	2	121	121	48
11/07/2020	3	119	119	47
11/07/2020	4	118	118	46
11/07/2020	5	119	119	47
11/07/2020	6	121	121	48
11/07/2020	7	121	121	48
11/07/2020	8	126	126	51
11/07/2020	9	144	144	56
11/07/2020	10	150	150	59
11/07/2020	11	150	150	63
11/07/2020	12	150	150	62
11/07/2020	13	150	150	63
11/07/2020	14	150	150	64
11/07/2020	15	150	150	62
11/07/2020	16	150	150	60
11/07/2020	17	150	150	60
11/07/2020	18	150	150	65
11/07/2020	19	150	150	63
11/07/2020	20	148	148	62
11/07/2020	21	145	145	61
11/07/2020	22	143	143	57
11/07/2020	23	150	150	55
11/07/2020	24	135	135	52
11/08/2020	1	115	115	49
11/08/2020	2	115	115	48
11/08/2020	3	110	110	46
11/08/2020	4	110	110	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/08/2020	5	115	115	46
11/08/2020	6	113	113	46
11/08/2020	7	113	112	47
11/08/2020	8	122	121	48
11/08/2020	9	127	127	51
11/08/2020	10	130	130	52
11/08/2020	11	135	135	55
11/08/2020	12	135	135	54
11/08/2020	13	135	135	55
11/08/2020	14	135	135	56
11/08/2020	15	135	135	54
11/08/2020	16	128	127	53
11/08/2020	17	135	135	54
11/08/2020	18	150	150	62
11/08/2020	19	145	145	60
11/08/2020	20	140	140	59
11/08/2020	21	135	135	57
11/08/2020	22	135	135	55
11/08/2020	23	135	135	53
11/08/2020	24	125	125	50
11/09/2020	1	122	122	48
11/09/2020	2	113	112	47
11/09/2020	3	99	98	46
11/09/2020	4	95	95	45
11/09/2020	5	97	96	46
11/09/2020	6	115	115	48
11/09/2020	7	110	109	48
11/09/2020	8	126	126	53
11/09/2020	9	144	144	61
11/09/2020	10	150	150	65
11/09/2020	11	150	150	69
11/09/2020	12	150	150	69
11/09/2020	13	150	150	69
11/09/2020	14	150	150	72
11/09/2020	15	150	150	70
11/09/2020	16	150	150	68
11/09/2020	17	150	150	66
11/09/2020	18	150	150	69
11/09/2020	19	150	150	67
11/09/2020	20	148	148	64
11/09/2020	21	145	145	62
11/09/2020	22	143	143	59
11/09/2020	23	150	150	55
11/09/2020	24	135	135	52
11/10/2020	1	123	123	48
11/10/2020	2	121	121	47
11/10/2020	3	113	112	46
11/10/2020	4	108	107	45
11/10/2020	5	109	109	46
11/10/2020	6	119	115	48
11/10/2020	7	112	111	48
11/10/2020	8	123	123	53
11/10/2020	9	138	138	61
11/10/2020	10	150	150	66
11/10/2020	11	150	150	70
11/10/2020	12	146	146	69
11/10/2020	13	145	145	69
11/10/2020	14	148	148	72
11/10/2020	15	148	148	71
11/10/2020	16	150	150	69
11/10/2020	17	149	149	66
11/10/2020	18	150	150	69
11/10/2020	19	145	145	66
11/10/2020	20	144	144	65
11/10/2020	21	143	143	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/10/2020	22	139	139	59
11/10/2020	23	150	150	56
11/10/2020	24	134	134	52
11/11/2020	1	115	115	49
11/11/2020	2	115	115	48
11/11/2020	3	113	113	47
11/11/2020	4	110	110	46
11/11/2020	5	115	115	47
11/11/2020	6	115	115	49
11/11/2020	7	115	115	49
11/11/2020	8	135	135	55
11/11/2020	9	150	150	64
11/11/2020	10	150	150	67
11/11/2020	11	150	150	72
11/11/2020	12	150	150	71
11/11/2020	13	150	150	72
11/11/2020	14	150	150	74
11/11/2020	15	150	150	72
11/11/2020	16	150	150	69
11/11/2020	17	150	150	67
11/11/2020	18	150	150	70
11/11/2020	19	147	147	67
11/11/2020	20	145	145	66
11/11/2020	21	142	142	64
11/11/2020	22	140	140	60
11/11/2020	23	150	150	56
11/11/2020	24	130	130	53
11/12/2020	1	121	121	50
11/12/2020	2	119	119	48
11/12/2020	3	118	117	47
11/12/2020	4	110	110	46
11/12/2020	5	119	119	48
11/12/2020	6	122	122	50
11/12/2020	7	123	123	50
11/12/2020	8	128	128	56
11/12/2020	9	140	140	64
11/12/2020	10	150	150	68
11/12/2020	11	150	150	72
11/12/2020	12	150	150	69
11/12/2020	13	150	150	69
11/12/2020	14	150	150	71
11/12/2020	15	150	150	70
11/12/2020	16	150	150	67
11/12/2020	17	150	150	64
11/12/2020	18	150	150	65
11/12/2020	19	149	149	64
11/12/2020	20	147	147	61
11/12/2020	21	146	146	60
11/12/2020	22	143	143	56
11/12/2020	23	150	150	53
11/12/2020	24	136	136	51
11/13/2020	1	122	122	52
11/13/2020	2	121	121	51
11/13/2020	3	120	120	49
11/13/2020	4	118	118	48
11/13/2020	5	119	119	50
11/13/2020	6	122	122	50
11/13/2020	7	122	122	52
11/13/2020	8	126	126	56
11/13/2020	9	144	144	64
11/13/2020	10	150	150	69
11/13/2020	11	150	150	71
11/13/2020	12	150	150	70
11/13/2020	13	150	150	72
11/13/2020	14	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/13/2020	15	150	150	72
11/13/2020	16	150	150	69
11/13/2020	17	149	149	67
11/13/2020	18	150	150	70
11/13/2020	19	149	149	67
11/13/2020	20	147	147	66
11/13/2020	21	144	144	65
11/13/2020	22	141	141	61
11/13/2020	23	150	150	58
11/13/2020	24	135	135	53
11/14/2020	1	125	125	51
11/14/2020	2	124	124	50
11/14/2020	3	122	122	49
11/14/2020	4	121	121	48
11/14/2020	5	122	122	48
11/14/2020	6	122	122	49
11/14/2020	7	123	123	48
11/14/2020	8	126	126	52
11/14/2020	9	140	140	56
11/14/2020	10	148	148	60
11/14/2020	11	150	150	63
11/14/2020	12	150	150	62
11/14/2020	13	147	147	64
11/14/2020	14	148	148	64
11/14/2020	15	145	145	63
11/14/2020	16	145	145	61
11/14/2020	17	146	146	61
11/14/2020	18	149	149	67
11/14/2020	19	146	146	64
11/14/2020	20	146	146	63
11/14/2020	21	142	142	61
11/14/2020	22	140	140	58
11/14/2020	23	150	150	55
11/14/2020	24	137	137	52
11/15/2020	1	120	120	49
11/15/2020	2	119	119	48
11/15/2020	3	109	109	46
11/15/2020	4	113	113	46
11/15/2020	5	113	113	46
11/15/2020	6	105	105	46
11/15/2020	7	105	105	46
11/15/2020	8	105	105	46
11/15/2020	9	103	102	47
11/15/2020	10	120	120	51
11/15/2020	11	130	130	53
11/15/2020	12	125	125	53
11/15/2020	13	132	131	54
11/15/2020	14	125	124	53
11/15/2020	15	122	121	52
11/15/2020	16	126	126	52
11/15/2020	17	130	129	52
11/15/2020	18	150	150	62
11/15/2020	19	149	149	60
11/15/2020	20	147	147	58
11/15/2020	21	135	135	56
11/15/2020	22	130	130	53
11/15/2020	23	123	123	50
11/15/2020	24	125	125	49
11/16/2020	1	124	124	48
11/16/2020	2	123	123	46
11/16/2020	3	122	122	45
11/16/2020	4	118	118	44
11/16/2020	5	120	120	46
11/16/2020	6	123	123	48
11/16/2020	7	123	123	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/16/2020	8	129	129	54
11/16/2020	9	140	140	61
11/16/2020	10	150	150	66
11/16/2020	11	150	150	72
11/16/2020	12	150	150	71
11/16/2020	13	150	150	71
11/16/2020	14	150	150	74
11/16/2020	15	150	150	72
11/16/2020	16	150	150	69
11/16/2020	17	150	150	66
11/16/2020	18	150	150	70
11/16/2020	19	147	147	67
11/16/2020	20	147	147	65
11/16/2020	21	142	142	64
11/16/2020	22	140	140	61
11/16/2020	23	150	150	57
11/16/2020	24	137	137	54
11/17/2020	1	125	125	52
11/17/2020	2	124	124	51
11/17/2020	3	123	123	49
11/17/2020	4	122	122	48
11/17/2020	5	122	122	49
11/17/2020	6	124	124	52
11/17/2020	7	125	125	53
11/17/2020	8	129	129	58
11/17/2020	9	146	146	66
11/17/2020	10	150	150	71
11/17/2020	11	150	150	74
11/17/2020	12	150	150	73
11/17/2020	13	150	150	74
11/17/2020	14	150	150	75
11/17/2020	15	150	150	74
11/17/2020	16	150	150	72
11/17/2020	17	150	150	69
11/17/2020	18	150	150	73
11/17/2020	19	150	150	69
11/17/2020	20	149	149	68
11/17/2020	21	147	147	67
11/17/2020	22	143	143	63
11/17/2020	23	150	150	59
11/17/2020	24	137	137	55
11/18/2020	1	125	125	52
11/18/2020	2	125	125	51
11/18/2020	3	123	123	50
11/18/2020	4	122	122	49
11/18/2020	5	123	123	50
11/18/2020	6	124	124	53
11/18/2020	7	125	125	53
11/18/2020	8	127	127	59
11/18/2020	9	141	141	66
11/18/2020	10	150	150	70
11/18/2020	11	150	150	75
11/18/2020	12	150	150	74
11/18/2020	13	150	150	75
11/18/2020	14	150	150	76
11/18/2020	15	150	150	74
11/18/2020	16	150	150	72
11/18/2020	17	150	150	70
11/18/2020	18	150	150	73
11/18/2020	19	147	147	68
11/18/2020	20	146	146	67
11/18/2020	21	143	143	65
11/18/2020	22	142	142	61
11/18/2020	23	150	150	58
11/18/2020	24	138	138	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/19/2020	1	128	128	52
11/19/2020	2	127	127	51
11/19/2020	3	124	124	49
11/19/2020	4	123	123	49
11/19/2020	5	124	124	50
11/19/2020	6	125	125	52
11/19/2020	7	126	126	52
11/19/2020	8	132	132	58
11/19/2020	9	144	144	66
11/19/2020	10	150	150	71
11/19/2020	11	150	150	75
11/19/2020	12	150	150	74
11/19/2020	13	150	150	75
11/19/2020	14	150	150	78
11/19/2020	15	150	150	76
11/19/2020	16	150	150	73
11/19/2020	17	150	150	69
11/19/2020	18	150	150	72
11/19/2020	19	150	150	68
11/19/2020	20	148	148	67
11/19/2020	21	144	144	65
11/19/2020	22	143	143	61
11/19/2020	23	150	150	58
11/19/2020	24	139	139	54
11/20/2020	1	126	126	53
11/20/2020	2	124	124	51
11/20/2020	3	123	123	49
11/20/2020	4	121	121	48
11/20/2020	5	122	122	49
11/20/2020	6	123	123	52
11/20/2020	7	123	123	53
11/20/2020	8	129	129	58
11/20/2020	9	144	144	66
11/20/2020	10	150	150	71
11/20/2020	11	150	150	75
11/20/2020	12	150	150	75
11/20/2020	13	150	150	75
11/20/2020	14	150	150	78
11/20/2020	15	150	150	77
11/20/2020	16	150	150	73
11/20/2020	17	150	150	69
11/20/2020	18	150	150	73
11/20/2020	19	150	150	70
11/20/2020	20	150	150	69
11/20/2020	21	147	147	68
11/20/2020	22	143	143	64
11/20/2020	23	150	150	60
11/20/2020	24	139	139	56
11/21/2020	1	150	122	54
11/21/2020	2	150	116	53
11/21/2020	3	150	112	51
11/21/2020	4	150	112	50
11/21/2020	5	150	112	51
11/21/2020	6	150	114	52
11/21/2020	7	150	112	51
11/21/2020	8	150	117	54
11/21/2020	9	150	117	58
11/21/2020	10	150	129	60
11/21/2020	11	150	132	65
11/21/2020	12	150	129	64
11/21/2020	13	150	134	65
11/21/2020	14	150	144	68
11/21/2020	15	150	142	67
11/21/2020	16	150	135	64
11/21/2020	17	150	135	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/21/2020	18	150	150	70
11/21/2020	19	150	150	69
11/21/2020	20	150	150	67
11/21/2020	21	150	150	66
11/21/2020	22	150	141	62
11/21/2020	23	150	134	59
11/21/2020	24	150	116	55
11/22/2020	1	150	112	52
11/22/2020	2	150	112	51
11/22/2020	3	150	111	50
11/22/2020	4	150	111	49
11/22/2020	5	150	108	49
11/22/2020	6	150	99	49
11/22/2020	7	150	97	50
11/22/2020	8	150	102	51
11/22/2020	9	150	98	54
11/22/2020	10	150	113	57
11/22/2020	11	150	115	60
11/22/2020	12	150	116	60
11/22/2020	13	150	116	61
11/22/2020	14	150	119	62
11/22/2020	15	150	115	60
11/22/2020	16	150	115	58
11/22/2020	17	150	115	59
11/22/2020	18	150	135	67
11/22/2020	19	150	122	65
11/22/2020	20	150	122	64
11/22/2020	21	150	117	62
11/22/2020	22	150	113	59
11/22/2020	23	150	112	56
11/22/2020	24	150	111	53
11/23/2020	1	150	112	49
11/23/2020	2	150	112	48
11/23/2020	3	150	109	47
11/23/2020	4	150	109	47
11/23/2020	5	150	112	48
11/23/2020	6	150	114	51
11/23/2020	7	150	112	51
11/23/2020	8	150	122	57
11/23/2020	9	150	138	66
11/23/2020	10	150	149	70
11/23/2020	11	150	149	75
11/23/2020	12	150	149	74
11/23/2020	13	150	149	75
11/23/2020	14	150	149	75
11/23/2020	15	150	149	74
11/23/2020	16	150	149	71
11/23/2020	17	150	149	69
11/23/2020	18	150	149	72
11/23/2020	19	150	148	68
11/23/2020	20	150	144	67
11/23/2020	21	150	138	65
11/23/2020	22	150	129	61
11/23/2020	23	150	122	58
11/23/2020	24	150	119	54
11/24/2020	1	150	96	52
11/24/2020	2	150	96	50
11/24/2020	3	150	96	49
11/24/2020	4	150	96	48
11/24/2020	5	150	96	49
11/24/2020	6	150	96	51
11/24/2020	7	150	96	51
11/24/2020	8	150	112	57
11/24/2020	9	150	114	66
11/24/2020	10	150	124	71

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/24/2020	11	150	132	75
11/24/2020	12	150	127	73
11/24/2020	13	150	131	74
11/24/2020	14	150	131	76
11/24/2020	15	150	127	74
11/24/2020	16	150	124	72
11/24/2020	17	150	120	69
11/24/2020	18	150	131	72
11/24/2020	19	150	122	68
11/24/2020	20	150	119	66
11/24/2020	21	150	118	65
11/24/2020	22	150	115	61
11/24/2020	23	150	112	57
11/24/2020	24	150	99	54
11/25/2020	1	150	102	52
11/25/2020	2	150	102	50
11/25/2020	3	150	102	49
11/25/2020	4	150	102	48
11/25/2020	5	150	102	49
11/25/2020	6	150	102	52
11/25/2020	7	150	102	51
11/25/2020	8	150	112	58
11/25/2020	9	150	127	66
11/25/2020	10	150	127	71
11/25/2020	11	150	129	74
11/25/2020	12	150	127	74
11/25/2020	13	150	129	74
11/25/2020	14	150	129	75
11/25/2020	15	150	129	74
11/25/2020	16	150	127	71
11/25/2020	17	150	127	68
11/25/2020	18	150	129	72
11/25/2020	19	150	127	68
11/25/2020	20	150	127	67
11/25/2020	21	150	127	66
11/25/2020	22	150	127	62
11/25/2020	23	150	112	59
11/25/2020	24	150	112	55
11/26/2020	1	118	118	50
11/26/2020	2	117	116	48
11/26/2020	3	113	113	47
11/26/2020	4	111	111	47
11/26/2020	5	112	112	48
11/26/2020	6	113	113	49
11/26/2020	7	114	114	48
11/26/2020	8	119	119	53
11/26/2020	9	144	144	60
11/26/2020	10	146	146	65
11/26/2020	11	150	150	67
11/26/2020	12	150	150	66
11/26/2020	13	150	150	66
11/26/2020	14	150	150	71
11/26/2020	15	150	150	69
11/26/2020	16	150	150	67
11/26/2020	17	145	145	65
11/26/2020	18	146	146	69
11/26/2020	19	150	150	66
11/26/2020	20	149	149	65
11/26/2020	21	147	147	62
11/26/2020	22	143	143	59
11/26/2020	23	150	150	56
11/26/2020	24	134	134	52
11/27/2020	1	122	122	50
11/27/2020	2	120	120	48
11/27/2020	3	118	118	47

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/27/2020	4	118	118	46
11/27/2020	5	118	118	47
11/27/2020	6	120	120	49
11/27/2020	7	120	120	49
11/27/2020	8	125	125	54
11/27/2020	9	144	144	62
11/27/2020	10	150	150	66
11/27/2020	11	150	150	69
11/27/2020	12	150	150	69
11/27/2020	13	150	150	68
11/27/2020	14	150	150	71
11/27/2020	15	150	150	70
11/27/2020	16	150	150	67
11/27/2020	17	150	150	64
11/27/2020	18	150	150	69
11/27/2020	19	150	150	66
11/27/2020	20	149	149	65
11/27/2020	21	149	149	62
11/27/2020	22	146	146	59
11/27/2020	23	150	150	55
11/27/2020	24	135	135	52
11/28/2020	1	122	122	52
11/28/2020	2	120	120	51
11/28/2020	3	118	118	50
11/28/2020	4	118	118	49
11/28/2020	5	118	118	49
11/28/2020	6	120	120	50
11/28/2020	7	120	120	50
11/28/2020	8	125	125	53
11/28/2020	9	144	144	56
11/28/2020	10	150	150	60
11/28/2020	11	150	150	63
11/28/2020	12	150	150	62
11/28/2020	13	150	150	63
11/28/2020	14	150	150	65
11/28/2020	15	150	150	64
11/28/2020	16	150	150	62
11/28/2020	17	150	150	62
11/28/2020	18	150	150	67
11/28/2020	19	150	150	65
11/28/2020	20	149	149	63
11/28/2020	21	149	149	62
11/28/2020	22	146	146	58
11/28/2020	23	150	150	55
11/28/2020	24	135	135	52
11/29/2020	1	117	117	49
11/29/2020	2	115	115	49
11/29/2020	3	114	114	47
11/29/2020	4	112	112	47
11/29/2020	5	119	119	47
11/29/2020	6	121	121	47
11/29/2020	7	121	121	48
11/29/2020	8	116	115	48
11/29/2020	9	115	115	50
11/29/2020	10	146	146	53
11/29/2020	11	149	149	56
11/29/2020	12	150	150	56
11/29/2020	13	150	150	56
11/29/2020	14	150	150	57
11/29/2020	15	150	150	56
11/29/2020	16	150	150	55
11/29/2020	17	143	143	56
11/29/2020	18	146	146	62
11/29/2020	19	140	140	62
11/29/2020	20	138	138	61

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/29/2020	21	138	138	60
11/29/2020	22	136	136	57
11/29/2020	23	148	148	54
11/29/2020	24	138	138	51
11/30/2020	1	117	117	52
11/30/2020	2	115	115	50
11/30/2020	3	114	114	49
11/30/2020	4	112	112	48
11/30/2020	5	119	119	48
11/30/2020	6	121	121	49
11/30/2020	7	121	121	49
11/30/2020	8	124	124	52
11/30/2020	9	143	143	56
11/30/2020	10	146	146	59
11/30/2020	11	149	149	62
11/30/2020	12	150	150	62
11/30/2020	13	150	150	62
11/30/2020	14	150	150	65
11/30/2020	15	150	150	63
11/30/2020	16	150	150	61
11/30/2020	17	143	143	61
11/30/2020	18	146	146	68
11/30/2020	19	140	140	65
11/30/2020	20	138	138	63
11/30/2020	21	138	138	61
11/30/2020	22	136	136	57
11/30/2020	23	148	148	54
11/30/2020	24	138	138	51
12/01/2020	1	116	115	50
12/01/2020	2	113	113	49
12/01/2020	3	110	110	48
12/01/2020	4	108	108	47
12/01/2020	5	115	115	48
12/01/2020	6	115	115	49
12/01/2020	7	115	115	48
12/01/2020	8	124	124	54
12/01/2020	9	143	143	62
12/01/2020	10	146	146	65
12/01/2020	11	150	150	70
12/01/2020	12	150	150	70
12/01/2020	13	150	150	71
12/01/2020	14	150	150	74
12/01/2020	15	150	150	73
12/01/2020	16	150	150	69
12/01/2020	17	150	150	65
12/01/2020	18	150	150	70
12/01/2020	19	150	150	67
12/01/2020	20	146	146	66
12/01/2020	21	138	138	64
12/01/2020	22	136	136	61
12/01/2020	23	148	148	56
12/01/2020	24	136	136	53
12/02/2020	1	122	122	51
12/02/2020	2	120	120	50
12/02/2020	3	119	119	48
12/02/2020	4	119	119	48
12/02/2020	5	120	120	48
12/02/2020	6	122	122	51
12/02/2020	7	122	122	51
12/02/2020	8	129	129	56
12/02/2020	9	145	145	64
12/02/2020	10	150	150	69
12/02/2020	11	150	150	71
12/02/2020	12	150	150	69
12/02/2020	13	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/02/2020	14	150	150	73
12/02/2020	15	150	150	72
12/02/2020	16	150	150	69
12/02/2020	17	150	150	67
12/02/2020	18	150	150	70
12/02/2020	19	149	149	68
12/02/2020	20	147	147	65
12/02/2020	21	146	146	62
12/02/2020	22	143	143	59
12/02/2020	23	150	150	55
12/02/2020	24	135	135	52
12/03/2020	1	123	123	52
12/03/2020	2	122	122	51
12/03/2020	3	120	120	49
12/03/2020	4	120	120	48
12/03/2020	5	120	120	49
12/03/2020	6	121	121	52
12/03/2020	7	122	122	52
12/03/2020	8	128	128	57
12/03/2020	9	145	145	66
12/03/2020	10	150	150	71
12/03/2020	11	150	150	72
12/03/2020	12	150	150	72
12/03/2020	13	150	150	73
12/03/2020	14	150	150	74
12/03/2020	15	150	150	73
12/03/2020	16	150	150	72
12/03/2020	17	150	150	68
12/03/2020	18	150	150	71
12/03/2020	19	150	150	69
12/03/2020	20	149	149	67
12/03/2020	21	148	148	65
12/03/2020	22	143	143	61
12/03/2020	23	150	150	59
12/03/2020	24	136	136	53
12/04/2020	1	123	123	51
12/04/2020	2	122	122	50
12/04/2020	3	120	120	49
12/04/2020	4	119	119	48
12/04/2020	5	120	120	49
12/04/2020	6	122	122	51
12/04/2020	7	122	122	52
12/04/2020	8	126	126	56
12/04/2020	9	142	142	65
12/04/2020	10	150	150	70
12/04/2020	11	150	150	72
12/04/2020	12	150	150	72
12/04/2020	13	150	150	72
12/04/2020	14	150	150	74
12/04/2020	15	150	150	72
12/04/2020	16	150	150	69
12/04/2020	17	150	150	68
12/04/2020	18	150	150	70
12/04/2020	19	150	150	67
12/04/2020	20	148	148	66
12/04/2020	21	148	148	64
12/04/2020	22	146	146	61
12/04/2020	23	150	150	58
12/04/2020	24	138	138	54
12/05/2020	1	122	122	52
12/05/2020	2	121	121	51
12/05/2020	3	120	120	50
12/05/2020	4	119	119	49
12/05/2020	5	120	120	50
12/05/2020	6	121	121	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/05/2020	7	122	122	51
12/05/2020	8	125	125	54
12/05/2020	9	140	140	57
12/05/2020	10	150	150	60
12/05/2020	11	150	150	64
12/05/2020	12	150	150	64
12/05/2020	13	150	150	64
12/05/2020	14	150	150	66
12/05/2020	15	150	150	65
12/05/2020	16	150	150	63
12/05/2020	17	148	148	62
12/05/2020	18	150	150	69
12/05/2020	19	145	145	65
12/05/2020	20	143	143	64
12/05/2020	21	141	141	63
12/05/2020	22	139	139	60
12/05/2020	23	150	150	57
12/05/2020	24	135	135	53
12/06/2020	1	123	123	51
12/06/2020	2	122	122	49
12/06/2020	3	121	121	48
12/06/2020	4	120	120	47
12/06/2020	5	121	121	48
12/06/2020	6	122	122	48
12/06/2020	7	121	121	49
12/06/2020	8	125	125	49
12/06/2020	9	138	138	50
12/06/2020	10	150	150	53
12/06/2020	11	150	150	56
12/06/2020	12	150	150	56
12/06/2020	13	150	150	56
12/06/2020	14	150	150	58
12/06/2020	15	150	150	56
12/06/2020	16	149	149	54
12/06/2020	17	147	147	53
12/06/2020	18	150	150	65
12/06/2020	19	146	146	63
12/06/2020	20	144	144	61
12/06/2020	21	142	142	59
12/06/2020	22	140	140	56
12/06/2020	23	149	149	52
12/06/2020	24	136	136	50
12/07/2020	1	123	123	48
12/07/2020	2	122	122	47
12/07/2020	3	120	120	47
12/07/2020	4	119	119	46
12/07/2020	5	120	120	47
12/07/2020	6	121	121	50
12/07/2020	7	122	122	50
12/07/2020	8	126	126	56
12/07/2020	9	142	142	63
12/07/2020	10	150	150	68
12/07/2020	11	150	150	72
12/07/2020	12	150	150	72
12/07/2020	13	150	150	72
12/07/2020	14	150	150	74
12/07/2020	15	150	150	72
12/07/2020	16	150	150	69
12/07/2020	17	150	150	67
12/07/2020	18	150	150	70
12/07/2020	19	146	146	67
12/07/2020	20	144	144	65
12/07/2020	21	141	141	64
12/07/2020	22	139	139	60
12/07/2020	23	148	148	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/07/2020	24	135	135	54
12/08/2020	1	125	125	52
12/08/2020	2	123	123	50
12/08/2020	3	120	120	49
12/08/2020	4	122	122	48
12/08/2020	5	122	122	48
12/08/2020	6	123	123	50
12/08/2020	7	123	123	49
12/08/2020	8	127	127	53
12/08/2020	9	143	143	57
12/08/2020	10	150	150	61
12/08/2020	11	150	150	66
12/08/2020	12	150	150	65
12/08/2020	13	150	150	66
12/08/2020	14	150	150	68
12/08/2020	15	150	150	65
12/08/2020	16	150	150	64
12/08/2020	17	150	150	63
12/08/2020	18	150	150	69
12/08/2020	19	150	150	66
12/08/2020	20	149	149	64
12/08/2020	21	145	145	62
12/08/2020	22	143	143	59
12/08/2020	23	150	150	56
12/08/2020	24	138	138	52
12/09/2020	1	128	128	50
12/09/2020	2	126	126	49
12/09/2020	3	123	123	48
12/09/2020	4	124	124	48
12/09/2020	5	125	125	49
12/09/2020	6	126	126	51
12/09/2020	7	127	127	51
12/09/2020	8	130	130	57
12/09/2020	9	143	143	65
12/09/2020	10	150	150	71
12/09/2020	11	150	150	74
12/09/2020	12	150	150	73
12/09/2020	13	150	150	74
12/09/2020	14	150	150	75
12/09/2020	15	150	150	74
12/09/2020	16	150	150	72
12/09/2020	17	150	150	68
12/09/2020	18	150	150	72
12/09/2020	19	150	150	70
12/09/2020	20	149	149	68
12/09/2020	21	146	146	65
12/09/2020	22	143	143	62
12/09/2020	23	150	150	58
12/09/2020	24	140	140	55
12/10/2020	1	137	119	53
12/10/2020	2	136	118	51
12/10/2020	3	136	116	50
12/10/2020	4	136	115	49
12/10/2020	5	136	115	49
12/10/2020	6	141	119	51
12/10/2020	7	146	119	51
12/10/2020	8	146	124	56
12/10/2020	9	146	142	65
12/10/2020	10	150	150	71
12/10/2020	11	150	150	73
12/10/2020	12	150	150	72
12/10/2020	13	150	150	72
12/10/2020	14	150	150	75
12/10/2020	15	150	150	74
12/10/2020	16	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/10/2020	17	148	148	67
12/10/2020	18	150	150	70
12/10/2020	19	149	146	69
12/10/2020	20	149	145	68
12/10/2020	21	148	141	66
12/10/2020	22	148	137	63
12/10/2020	23	150	150	59
12/10/2020	24	146	132	54
12/11/2020	1	145	120	52
12/11/2020	2	142	119	50
12/11/2020	3	142	117	48
12/11/2020	4	137	116	48
12/11/2020	5	137	117	49
12/11/2020	6	146	119	51
12/11/2020	7	146	119	52
12/11/2020	8	146	124	57
12/11/2020	9	147	142	66
12/11/2020	10	150	150	71
12/11/2020	11	150	150	73
12/11/2020	12	150	150	72
12/11/2020	13	150	150	73
12/11/2020	14	150	150	76
12/11/2020	15	150	150	74
12/11/2020	16	150	150	71
12/11/2020	17	150	150	68
12/11/2020	18	150	150	72
12/11/2020	19	150	150	69
12/11/2020	20	148	147	67
12/11/2020	21	149	144	65
12/11/2020	22	148	142	61
12/11/2020	23	150	150	57
12/11/2020	24	146	135	53
12/12/2020	1	133	120	52
12/12/2020	2	130	119	49
12/12/2020	3	130	118	48
12/12/2020	4	130	117	48
12/12/2020	5	130	118	49
12/12/2020	6	142	119	51
12/12/2020	7	145	119	50
12/12/2020	8	145	123	53
12/12/2020	9	146	139	59
12/12/2020	10	148	148	63
12/12/2020	11	150	150	66
12/12/2020	12	150	150	65
12/12/2020	13	150	150	67
12/12/2020	14	150	150	69
12/12/2020	15	150	150	66
12/12/2020	16	149	149	65
12/12/2020	17	148	146	63
12/12/2020	18	150	150	69
12/12/2020	19	148	147	67
12/12/2020	20	147	145	65
12/12/2020	21	147	142	63
12/12/2020	22	147	140	60
12/12/2020	23	150	150	57
12/12/2020	24	145	134	54
12/13/2020	1	136	119	51
12/13/2020	2	132	117	49
12/13/2020	3	132	115	47
12/13/2020	4	132	114	46
12/13/2020	5	132	115	47
12/13/2020	6	145	115	48
12/13/2020	7	145	97	46
12/13/2020	8	145	106	48
12/13/2020	9	120	120	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/13/2020	10	133	133	52
12/13/2020	11	147	135	55
12/13/2020	12	147	137	55
12/13/2020	13	147	137	56
12/13/2020	14	137	137	57
12/13/2020	15	136	136	56
12/13/2020	16	135	135	54
12/13/2020	17	134	134	56
12/13/2020	18	148	134	65
12/13/2020	19	150	150	62
12/13/2020	20	150	150	60
12/13/2020	21	147	145	58
12/13/2020	22	147	144	55
12/13/2020	23	150	150	52
12/13/2020	24	146	133	50
12/14/2020	1	122	122	48
12/14/2020	2	120	120	45
12/14/2020	3	118	118	45
12/14/2020	4	118	118	44
12/14/2020	5	118	118	45
12/14/2020	6	140	118	49
12/14/2020	7	145	119	50
12/14/2020	8	145	122	56
12/14/2020	9	146	142	64
12/14/2020	10	150	150	70
12/14/2020	11	150	150	73
12/14/2020	12	150	150	72
12/14/2020	13	150	150	73
12/14/2020	14	150	150	76
12/14/2020	15	150	150	74
12/14/2020	16	150	150	72
12/14/2020	17	150	150	68
12/14/2020	18	150	150	72
12/14/2020	19	150	150	68
12/14/2020	20	150	150	66
12/14/2020	21	147	145	65
12/14/2020	22	147	140	61
12/14/2020	23	150	150	58
12/14/2020	24	146	134	55
12/15/2020	1	118	117	50
12/15/2020	2	118	115	49
12/15/2020	3	118	114	48
12/15/2020	4	118	112	47
12/15/2020	5	119	119	47
12/15/2020	6	121	121	49
12/15/2020	7	121	121	49
12/15/2020	8	124	124	54
12/15/2020	9	143	143	62
12/15/2020	10	146	146	68
12/15/2020	11	149	149	74
12/15/2020	12	150	150	72
12/15/2020	13	150	150	73
12/15/2020	14	150	150	76
12/15/2020	15	150	150	74
12/15/2020	16	150	150	72
12/15/2020	17	143	143	68
12/15/2020	18	148	147	72
12/15/2020	19	140	140	69
12/15/2020	20	145	142	66
12/15/2020	21	138	138	65
12/15/2020	22	136	136	61
12/15/2020	23	148	148	58
12/15/2020	24	138	138	53
12/16/2020	1	119	119	50
12/16/2020	2	119	119	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/16/2020	3	118	117	46
12/16/2020	4	118	116	45
12/16/2020	5	118	117	47
12/16/2020	6	119	119	50
12/16/2020	7	119	118	51
12/16/2020	8	122	122	56
12/16/2020	9	141	141	63
12/16/2020	10	150	150	69
12/16/2020	11	150	150	73
12/16/2020	12	150	150	72
12/16/2020	13	150	150	74
12/16/2020	14	150	150	75
12/16/2020	15	150	150	73
12/16/2020	16	150	150	71
12/16/2020	17	150	150	69
12/16/2020	18	150	150	71
12/16/2020	19	150	150	68
12/16/2020	20	148	148	66
12/16/2020	21	145	145	64
12/16/2020	22	141	141	60
12/16/2020	23	150	150	56
12/16/2020	24	135	135	52
12/17/2020	1	121	121	49
12/17/2020	2	119	119	48
12/17/2020	3	117	117	47
12/17/2020	4	116	116	47
12/17/2020	5	117	117	48
12/17/2020	6	119	119	50
12/17/2020	7	119	119	51
12/17/2020	8	123	123	56
12/17/2020	9	142	142	62
12/17/2020	10	150	150	67
12/17/2020	11	150	150	70
12/17/2020	12	150	150	69
12/17/2020	13	150	150	69
12/17/2020	14	150	150	71
12/17/2020	15	150	150	70
12/17/2020	16	150	150	68
12/17/2020	17	150	150	66
12/17/2020	18	150	150	70
12/17/2020	19	149	149	66
12/17/2020	20	147	147	64
12/17/2020	21	145	145	61
12/17/2020	22	141	141	58
12/17/2020	23	150	150	55
12/17/2020	24	134	134	51
12/18/2020	1	140	121	49
12/18/2020	2	140	119	48
12/18/2020	3	140	117	47
12/18/2020	4	140	116	47
12/18/2020	5	140	117	48
12/18/2020	6	140	119	50
12/18/2020	7	119	119	51
12/18/2020	8	123	123	56
12/18/2020	9	142	142	62
12/18/2020	10	150	150	67
12/18/2020	11	150	150	70
12/18/2020	12	150	150	69
12/18/2020	13	150	150	69
12/18/2020	14	150	150	71
12/18/2020	15	150	150	70
12/18/2020	16	150	150	68
12/18/2020	17	150	150	66
12/18/2020	18	150	150	70
12/18/2020	19	149	149	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/18/2020	20	147	147	64
12/18/2020	21	145	145	61
12/18/2020	22	141	141	58
12/18/2020	23	150	150	55
12/18/2020	24	134	134	51
12/19/2020	1	119	119	50
12/19/2020	2	118	118	48
12/19/2020	3	116	116	47
12/19/2020	4	114	114	47
12/19/2020	5	115	115	48
12/19/2020	6	116	116	49
12/19/2020	7	116	116	49
12/19/2020	8	120	120	52
12/19/2020	9	140	140	56
12/19/2020	10	150	150	61
12/19/2020	11	150	150	63
12/19/2020	12	150	150	63
12/19/2020	13	150	150	64
12/19/2020	14	150	150	65
12/19/2020	15	150	150	64
12/19/2020	16	150	150	62
12/19/2020	17	146	146	61
12/19/2020	18	150	150	69
12/19/2020	19	149	149	65
12/19/2020	20	147	147	64
12/19/2020	21	145	145	61
12/19/2020	22	142	142	58
12/19/2020	23	150	150	56
12/19/2020	24	133	133	52
12/20/2020	1	119	119	50
12/20/2020	2	118	118	48
12/20/2020	3	116	116	47
12/20/2020	4	114	114	46
12/20/2020	5	114	114	46
12/20/2020	6	116	116	47
12/20/2020	7	98	97	46
12/20/2020	8	99	99	47
12/20/2020	9	101	100	49
12/20/2020	10	120	118	52
12/20/2020	11	150	149	54
12/20/2020	12	141	141	54
12/20/2020	13	150	150	54
12/20/2020	14	150	150	56
12/20/2020	15	150	150	54
12/20/2020	16	140	139	52
12/20/2020	17	146	146	55
12/20/2020	18	150	150	62
12/20/2020	19	149	149	62
12/20/2020	20	147	147	60
12/20/2020	21	145	145	58
12/20/2020	22	142	142	55
12/20/2020	23	150	150	51
12/20/2020	24	133	133	50
12/21/2020	1	119	119	47
12/21/2020	2	105	105	46
12/21/2020	3	105	105	45
12/21/2020	4	105	105	44
12/21/2020	5	105	105	46
12/21/2020	6	116	116	48
12/21/2020	7	116	116	49
12/21/2020	8	120	120	55
12/21/2020	9	140	140	63
12/21/2020	10	150	150	69
12/21/2020	11	150	150	71
12/21/2020	12	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/21/2020	13	150	150	70
12/21/2020	14	150	150	72
12/21/2020	15	150	150	70
12/21/2020	16	150	150	70
12/21/2020	17	146	146	67
12/21/2020	18	150	150	70
12/21/2020	19	149	149	66
12/21/2020	20	147	147	64
12/21/2020	21	145	145	62
12/21/2020	22	142	142	58
12/21/2020	23	150	150	56
12/21/2020	24	133	133	51
12/22/2020	1	120	120	51
12/22/2020	2	119	119	50
12/22/2020	3	117	117	48
12/22/2020	4	116	116	47
12/22/2020	5	117	117	48
12/22/2020	6	119	119	51
12/22/2020	7	120	120	51
12/22/2020	8	124	124	56
12/22/2020	9	142	142	63
12/22/2020	10	150	150	68
12/22/2020	11	150	150	71
12/22/2020	12	150	150	70
12/22/2020	13	150	150	71
12/22/2020	14	150	150	72
12/22/2020	15	150	150	71
12/22/2020	16	150	150	70
12/22/2020	17	150	150	67
12/22/2020	18	150	150	70
12/22/2020	19	149	149	68
12/22/2020	20	146	146	65
12/22/2020	21	144	144	63
12/22/2020	22	140	140	60
12/22/2020	23	150	150	56
12/22/2020	24	134	134	52
12/23/2020	1	113	110	49
12/23/2020	2	95	94	47
12/23/2020	3	82	82	45
12/23/2020	4	82	81	45
12/23/2020	5	100	97	46
12/23/2020	6	117	117	49
12/23/2020	7	120	120	50
12/23/2020	8	124	124	55
12/23/2020	9	142	142	61
12/23/2020	10	150	150	64
12/23/2020	11	150	150	68
12/23/2020	12	150	150	67
12/23/2020	13	150	150	67
12/23/2020	14	150	150	70
12/23/2020	15	150	150	68
12/23/2020	16	150	150	66
12/23/2020	17	150	150	65
12/23/2020	18	150	150	69
12/23/2020	19	148	148	67
12/23/2020	20	145	145	65
12/23/2020	21	143	143	62
12/23/2020	22	140	140	58
12/23/2020	23	150	150	55
12/23/2020	24	124	124	51
12/24/2020	1	115	115	47
12/24/2020	2	102	102	45
12/24/2020	3	95	95	44
12/24/2020	4	96	95	44
12/24/2020	5	95	95	43

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/24/2020	6	95	95	44
12/24/2020	7	102	102	44
12/24/2020	8	108	108	47
12/24/2020	9	140	140	52
12/24/2020	10	150	150	55
12/24/2020	11	150	150	57
12/24/2020	12	150	150	58
12/24/2020	13	150	150	57
12/24/2020	14	150	150	58
12/24/2020	15	150	150	57
12/24/2020	16	150	150	56
12/24/2020	17	150	150	56
12/24/2020	18	150	150	64
12/24/2020	19	148	148	63
12/24/2020	20	146	146	61
12/24/2020	21	144	144	58
12/24/2020	22	141	141	56
12/24/2020	23	150	150	52
12/24/2020	24	134	134	50
12/25/2020	1	113	113	46
12/25/2020	2	95	95	44
12/25/2020	3	87	86	42
12/25/2020	4	75	75	40
12/25/2020	5	75	75	40
12/25/2020	6	75	75	40
12/25/2020	7	75	75	40
12/25/2020	8	75	75	41
12/25/2020	9	75	75	43
12/25/2020	10	95	95	47
12/25/2020	11	97	96	50
12/25/2020	12	106	105	51
12/25/2020	13	114	113	51
12/25/2020	14	111	110	52
12/25/2020	15	110	109	52
12/25/2020	16	122	121	52
12/25/2020	17	119	118	52
12/25/2020	18	150	150	61
12/25/2020	19	149	149	60
12/25/2020	20	148	148	59
12/25/2020	21	144	144	57
12/25/2020	22	140	140	53
12/25/2020	23	150	150	49
12/25/2020	24	128	128	47
12/26/2020	1	113	113	45
12/26/2020	2	112	112	44
12/26/2020	3	110	105	43
12/26/2020	4	100	100	42
12/26/2020	5	110	101	43
12/26/2020	6	111	102	47
12/26/2020	7	111	103	48
12/26/2020	8	115	106	51
12/26/2020	9	128	128	55
12/26/2020	10	148	148	58
12/26/2020	11	150	150	60
12/26/2020	12	149	149	60
12/26/2020	13	150	150	61
12/26/2020	14	150	150	63
12/26/2020	15	150	150	61
12/26/2020	16	150	150	60
12/26/2020	17	148	148	60
12/26/2020	18	150	150	68
12/26/2020	19	150	150	67
12/26/2020	20	148	148	65
12/26/2020	21	146	146	61
12/26/2020	22	144	144	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/26/2020	23	145	145	54
12/26/2020	24	126	126	51
12/27/2020	1	119	115	49
12/27/2020	2	119	114	47
12/27/2020	3	119	112	46
12/27/2020	4	119	111	45
12/27/2020	5	119	111	45
12/27/2020	6	119	111	47
12/27/2020	7	119	112	47
12/27/2020	8	119	114	47
12/27/2020	9	120	120	49
12/27/2020	10	132	132	53
12/27/2020	11	146	146	56
12/27/2020	12	146	146	57
12/27/2020	13	147	147	57
12/27/2020	14	150	150	58
12/27/2020	15	150	150	56
12/27/2020	16	149	149	54
12/27/2020	17	147	147	56
12/27/2020	18	150	150	64
12/27/2020	19	150	150	63
12/27/2020	20	148	148	61
12/27/2020	21	147	147	59
12/27/2020	22	143	143	56
12/27/2020	23	145	145	53
12/27/2020	24	127	127	50
12/28/2020	1	119	117	48
12/28/2020	2	119	115	46
12/28/2020	3	119	114	45
12/28/2020	4	119	112	45
12/28/2020	5	119	119	45
12/28/2020	6	121	121	48
12/28/2020	7	121	121	49
12/28/2020	8	124	124	54
12/28/2020	9	143	143	61
12/28/2020	10	146	146	66
12/28/2020	11	149	149	68
12/28/2020	12	150	150	68
12/28/2020	13	150	150	69
12/28/2020	14	150	150	71
12/28/2020	15	150	150	69
12/28/2020	16	150	150	68
12/28/2020	17	143	143	64
12/28/2020	18	146	146	71
12/28/2020	19	140	140	67
12/28/2020	20	138	138	66
12/28/2020	21	138	138	64
12/28/2020	22	136	136	60
12/28/2020	23	148	148	57
12/28/2020	24	138	138	52
12/29/2020	1	118	117	50
12/29/2020	2	118	117	48
12/29/2020	3	118	116	47
12/29/2020	4	118	115	47
12/29/2020	5	118	116	47
12/29/2020	6	118	117	50
12/29/2020	7	119	118	49
12/29/2020	8	122	122	52
12/29/2020	9	140	140	60
12/29/2020	10	150	150	64
12/29/2020	11	150	150	66
12/29/2020	12	150	150	68
12/29/2020	13	150	150	68
12/29/2020	14	150	150	70
12/29/2020	15	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/29/2020	16	150	150	66
12/29/2020	17	150	150	64
12/29/2020	18	150	150	70
12/29/2020	19	150	150	67
12/29/2020	20	149	149	65
12/29/2020	21	146	146	63
12/29/2020	22	150	150	59
12/29/2020	23	150	150	55
12/29/2020	24	132	132	52
12/30/2020	1	115	115	49
12/30/2020	2	114	114	47
12/30/2020	3	112	112	46
12/30/2020	4	111	111	46
12/30/2020	5	111	111	46
12/30/2020	6	112	112	48
12/30/2020	7	111	111	48
12/30/2020	8	113	113	51
12/30/2020	9	127	127	56
12/30/2020	10	140	140	59
12/30/2020	11	150	150	61
12/30/2020	12	150	150	60
12/30/2020	13	150	150	62
12/30/2020	14	150	150	62
12/30/2020	15	150	150	62
12/30/2020	16	150	150	60
12/30/2020	17	150	150	60
12/30/2020	18	150	150	67
12/30/2020	19	150	150	65
12/30/2020	20	150	150	62
12/30/2020	21	150	150	60
12/30/2020	22	150	150	58
12/30/2020	23	149	149	55
12/30/2020	24	131	131	52
12/31/2020	1	115	115	48
12/31/2020	2	114	114	47
12/31/2020	3	112	112	45
12/31/2020	4	111	111	45
12/31/2020	5	111	111	44
12/31/2020	6	112	112	47
12/31/2020	7	111	111	47
12/31/2020	8	113	113	50
12/31/2020	9	127	127	54
12/31/2020	10	140	140	56
12/31/2020	11	150	150	60
12/31/2020	12	150	150	60
12/31/2020	13	150	150	61
12/31/2020	14	150	150	63
12/31/2020	15	150	150	62
12/31/2020	16	150	150	60
12/31/2020	17	150	150	59
12/31/2020	18	150	150	65
12/31/2020	19	150	150	64
12/31/2020	20	150	150	62
12/31/2020	21	150	150	60
12/31/2020	22	150	150	59
12/31/2020	23	150	150	56
12/31/2020	24	133	133	53
01/01/2021	1	114	114	52
01/01/2021	2	113	113	49
01/01/2021	3	110	110	47
01/01/2021	4	109	108	45
01/01/2021	5	109	109	45
01/01/2021	6	109	109	44
01/01/2021	7	109	109	44
01/01/2021	8	110	110	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/01/2021	9	120	120	45
01/01/2021	10	150	150	48
01/01/2021	11	150	150	50
01/01/2021	12	150	150	51
01/01/2021	13	150	150	51
01/01/2021	14	150	150	52
01/01/2021	15	150	150	51
01/01/2021	16	150	150	50
01/01/2021	17	150	150	52
01/01/2021	18	150	150	61
01/01/2021	19	150	150	61
01/01/2021	20	150	150	59
01/01/2021	21	149	149	57
01/01/2021	22	141	141	53
01/01/2021	23	142	142	51
01/01/2021	24	124	124	49
01/02/2021	1	113	113	45
01/02/2021	2	112	112	44
01/02/2021	3	110	110	42
01/02/2021	4	104	104	41
01/02/2021	5	101	101	41
01/02/2021	6	111	111	45
01/02/2021	7	111	111	46
01/02/2021	8	115	115	49
01/02/2021	9	128	128	52
01/02/2021	10	148	148	55
01/02/2021	11	150	150	58
01/02/2021	12	149	149	57
01/02/2021	13	150	150	60
01/02/2021	14	150	150	61
01/02/2021	15	150	150	60
01/02/2021	16	150	150	60
01/02/2021	17	148	148	60
01/02/2021	18	150	150	67
01/02/2021	19	150	150	65
01/02/2021	20	148	148	64
01/02/2021	21	146	146	61
01/02/2021	22	144	144	59
01/02/2021	23	145	145	54
01/02/2021	24	126	126	51
01/03/2021	1	115	115	49
01/03/2021	2	114	114	47
01/03/2021	3	112	112	47
01/03/2021	4	111	111	45
01/03/2021	5	111	111	46
01/03/2021	6	111	111	47
01/03/2021	7	112	112	48
01/03/2021	8	114	114	49
01/03/2021	9	120	120	51
01/03/2021	10	132	132	55
01/03/2021	11	146	146	56
01/03/2021	12	146	146	56
01/03/2021	13	147	147	56
01/03/2021	14	150	150	58
01/03/2021	15	150	150	57
01/03/2021	16	149	149	57
01/03/2021	17	147	147	56
01/03/2021	18	150	150	65
01/03/2021	19	150	150	64
01/03/2021	20	148	148	63
01/03/2021	21	147	147	61
01/03/2021	22	143	143	57
01/03/2021	23	145	145	54
01/03/2021	24	127	127	50
01/04/2021	1	113	113	48

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/04/2021	2	111	111	47
01/04/2021	3	110	110	46
01/04/2021	4	109	109	45
01/04/2021	5	110	110	46
01/04/2021	6	111	111	49
01/04/2021	7	111	111	50
01/04/2021	8	114	114	55
01/04/2021	9	133	133	61
01/04/2021	10	150	150	64
01/04/2021	11	150	150	68
01/04/2021	12	150	150	68
01/04/2021	13	150	150	68
01/04/2021	14	150	150	71
01/04/2021	15	150	150	69
01/04/2021	16	150	150	67
01/04/2021	17	150	150	65
01/04/2021	18	150	150	69
01/04/2021	19	150	150	66
01/04/2021	20	147	147	64
01/04/2021	21	150	150	61
01/04/2021	22	144	144	58
01/04/2021	23	144	144	54
01/04/2021	24	127	127	50
01/05/2021	1	119	119	48
01/05/2021	2	119	116	47
01/05/2021	3	119	115	46
01/05/2021	4	119	114	45
01/05/2021	5	119	115	46
01/05/2021	6	119	116	49
01/05/2021	7	119	116	49
01/05/2021	8	119	119	54
01/05/2021	9	127	127	60
01/05/2021	10	125	125	64
01/05/2021	11	128	128	67
01/05/2021	12	128	128	66
01/05/2021	13	130	130	68
01/05/2021	14	132	132	69
01/05/2021	15	136	136	69
01/05/2021	16	131	131	67
01/05/2021	17	132	128	65
01/05/2021	18	131	131	70
01/05/2021	19	128	128	66
01/05/2021	20	124	124	64
01/05/2021	21	122	122	61
01/05/2021	22	128	128	58
01/05/2021	23	128	128	54
01/05/2021	24	122	122	50
01/06/2021	1	119	119	48
01/06/2021	2	119	116	46
01/06/2021	3	119	114	45
01/06/2021	4	119	113	44
01/06/2021	5	119	113	46
01/06/2021	6	119	115	48
01/06/2021	7	119	116	47
01/06/2021	8	120	120	51
01/06/2021	9	129	129	58
01/06/2021	10	128	128	63
01/06/2021	11	129	129	66
01/06/2021	12	129	129	66
01/06/2021	13	131	131	66
01/06/2021	14	134	134	67
01/06/2021	15	139	139	66
01/06/2021	16	133	133	65
01/06/2021	17	128	128	64
01/06/2021	18	145	145	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/06/2021	19	130	130	66
01/06/2021	20	126	126	63
01/06/2021	21	123	123	59
01/06/2021	22	129	129	55
01/06/2021	23	127	127	51
01/06/2021	24	123	123	47
01/07/2021	1	119	119	47
01/07/2021	2	117	117	46
01/07/2021	3	115	115	44
01/07/2021	4	114	114	44
01/07/2021	5	115	115	45
01/07/2021	6	115	115	48
01/07/2021	7	117	117	48
01/07/2021	8	120	120	53
01/07/2021	9	127	127	61
01/07/2021	10	126	126	65
01/07/2021	11	128	128	67
01/07/2021	12	128	128	68
01/07/2021	13	130	130	68
01/07/2021	14	134	134	70
01/07/2021	15	140	140	69
01/07/2021	16	134	134	68
01/07/2021	17	128	128	66
01/07/2021	18	133	133	71
01/07/2021	19	131	131	68
01/07/2021	20	127	127	66
01/07/2021	21	123	123	63
01/07/2021	22	128	128	59
01/07/2021	23	127	127	56
01/07/2021	24	123	123	52
01/08/2021	1	120	120	50
01/08/2021	2	117	117	48
01/08/2021	3	116	116	45
01/08/2021	4	115	115	45
01/08/2021	5	116	116	48
01/08/2021	6	116	116	49
01/08/2021	7	118	118	49
01/08/2021	8	121	121	52
01/08/2021	9	124	124	59
01/08/2021	10	122	122	64
01/08/2021	11	128	128	66
01/08/2021	12	128	127	64
01/08/2021	13	129	129	66
01/08/2021	14	132	132	68
01/08/2021	15	138	138	67
01/08/2021	16	133	133	65
01/08/2021	17	129	129	63
01/08/2021	18	142	139	69
01/08/2021	19	132	132	68
01/08/2021	20	132	132	65
01/08/2021	21	126	126	61
01/08/2021	22	129	129	59
01/08/2021	23	126	126	55
01/08/2021	24	123	123	51
01/09/2021	1	150	92	46
01/09/2021	2	150	91	44
01/09/2021	3	150	91	43
01/09/2021	4	150	91	42
01/09/2021	5	150	91	42
01/09/2021	6	150	96	46
01/09/2021	7	150	110	47
01/09/2021	8	150	112	49
01/09/2021	9	150	107	52
01/09/2021	10	150	109	55
01/09/2021	11	150	112	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/09/2021	12	150	112	58
01/09/2021	13	150	112	60
01/09/2021	14	150	113	61
01/09/2021	15	150	113	60
01/09/2021	16	150	112	59
01/09/2021	17	150	112	59
01/09/2021	18	150	119	65
01/09/2021	19	150	119	64
01/09/2021	20	150	114	60
01/09/2021	21	150	112	58
01/09/2021	22	150	110	54
01/09/2021	23	150	108	52
01/09/2021	24	150	106	49
01/10/2021	1	150	99	48
01/10/2021	2	150	98	46
01/10/2021	3	150	97	44
01/10/2021	4	150	91	44
01/10/2021	5	150	96	45
01/10/2021	6	150	98	47
01/10/2021	7	150	99	46
01/10/2021	8	150	99	48
01/10/2021	9	150	97	50
01/10/2021	10	150	106	53
01/10/2021	11	150	109	55
01/10/2021	12	150	110	56
01/10/2021	13	150	109	56
01/10/2021	14	150	109	58
01/10/2021	15	150	109	57
01/10/2021	16	150	109	56
01/10/2021	17	150	108	56
01/10/2021	18	150	127	64
01/10/2021	19	150	113	62
01/10/2021	20	150	112	60
01/10/2021	21	150	111	56
01/10/2021	22	150	108	53
01/10/2021	23	150	104	51
01/10/2021	24	150	101	48
01/11/2021	1	150	90	44
01/11/2021	2	150	90	43
01/11/2021	3	150	90	43
01/11/2021	4	150	90	42
01/11/2021	5	150	90	43
01/11/2021	6	150	96	46
01/11/2021	7	150	97	48
01/11/2021	8	150	97	51
01/11/2021	9	150	101	58
01/11/2021	10	150	112	64
01/11/2021	11	150	112	65
01/11/2021	12	150	112	65
01/11/2021	13	150	112	65
01/11/2021	14	150	112	66
01/11/2021	15	150	112	65
01/11/2021	16	150	112	63
01/11/2021	17	150	112	62
01/11/2021	18	150	112	67
01/11/2021	19	150	113	64
01/11/2021	20	150	112	60
01/11/2021	21	150	109	58
01/11/2021	22	150	105	54
01/11/2021	23	150	102	50
01/11/2021	24	150	100	48
01/12/2021	1	150	95	49
01/12/2021	2	150	94	47
01/12/2021	3	150	93	45
01/12/2021	4	150	92	44

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/12/2021	5	150	92	46
01/12/2021	6	150	95	49
01/12/2021	7	150	95	49
01/12/2021	8	150	96	53
01/12/2021	9	150	101	60
01/12/2021	10	150	115	65
01/12/2021	11	150	117	68
01/12/2021	12	150	118	67
01/12/2021	13	150	117	68
01/12/2021	14	150	126	70
01/12/2021	15	150	122	69
01/12/2021	16	150	119	67
01/12/2021	17	150	114	65
01/12/2021	18	150	141	70
01/12/2021	19	150	121	67
01/12/2021	20	150	120	66
01/12/2021	21	150	117	63
01/12/2021	22	150	113	59
01/12/2021	23	150	110	56
01/12/2021	24	150	97	52
01/13/2021	1	150	95	48
01/13/2021	2	150	94	47
01/13/2021	3	150	93	45
01/13/2021	4	150	92	44
01/13/2021	5	150	92	46
01/13/2021	6	150	95	48
01/13/2021	7	150	95	49
01/13/2021	8	150	96	54
01/13/2021	9	150	103	61
01/13/2021	10	150	116	65
01/13/2021	11	150	118	67
01/13/2021	12	150	119	66
01/13/2021	13	150	118	66
01/13/2021	14	150	117	68
01/13/2021	15	150	118	66
01/13/2021	16	150	117	66
01/13/2021	17	150	115	65
01/13/2021	18	150	125	68
01/13/2021	19	150	120	65
01/13/2021	20	150	119	63
01/13/2021	21	150	116	61
01/13/2021	22	150	113	56
01/13/2021	23	150	109	53
01/13/2021	24	150	96	51
01/14/2021	1	150	94	47
01/14/2021	2	150	93	46
01/14/2021	3	150	93	45
01/14/2021	4	150	92	44
01/14/2021	5	150	92	45
01/14/2021	6	150	94	50
01/14/2021	7	150	95	50
01/14/2021	8	150	95	54
01/14/2021	9	150	100	61
01/14/2021	10	150	114	63
01/14/2021	11	150	116	67
01/14/2021	12	150	117	66
01/14/2021	13	150	116	66
01/14/2021	14	150	120	68
01/14/2021	15	150	117	68
01/14/2021	16	150	116	66
01/14/2021	17	150	114	64
01/14/2021	18	150	136	69
01/14/2021	19	150	119	66
01/14/2021	20	150	119	62
01/14/2021	21	150	115	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/14/2021	22	150	111	56
01/14/2021	23	150	108	53
01/14/2021	24	150	96	51
01/15/2021	1	150	94	47
01/15/2021	2	150	94	46
01/15/2021	3	150	93	45
01/15/2021	4	150	92	45
01/15/2021	5	150	92	47
01/15/2021	6	150	94	49
01/15/2021	7	150	95	50
01/15/2021	8	150	95	53
01/15/2021	9	150	100	59
01/15/2021	10	150	117	63
01/15/2021	11	150	124	68
01/15/2021	12	150	119	66
01/15/2021	13	150	119	68
01/15/2021	14	150	119	68
01/15/2021	15	150	119	67
01/15/2021	16	150	118	65
01/15/2021	17	150	118	63
01/15/2021	18	150	133	69
01/15/2021	19	150	121	66
01/15/2021	20	150	120	64
01/15/2021	21	150	116	60
01/15/2021	22	150	114	57
01/15/2021	23	150	110	53
01/15/2021	24	150	96	49
01/16/2021	1	150	93	48
01/16/2021	2	150	93	47
01/16/2021	3	150	93	46
01/16/2021	4	150	93	46
01/16/2021	5	150	93	47
01/16/2021	6	150	93	48
01/16/2021	7	150	93	49
01/16/2021	8	150	93	51
01/16/2021	9	150	99	55
01/16/2021	10	150	116	57
01/16/2021	11	150	118	60
01/16/2021	12	150	118	60
01/16/2021	13	150	118	62
01/16/2021	14	150	119	64
01/16/2021	15	150	118	62
01/16/2021	16	150	118	61
01/16/2021	17	150	118	60
01/16/2021	18	150	121	67
01/16/2021	19	150	122	66
01/16/2021	20	150	122	65
01/16/2021	21	150	118	61
01/16/2021	22	150	115	58
01/16/2021	23	150	113	54
01/16/2021	24	150	98	52
01/17/2021	1	150	92	49
01/17/2021	2	150	92	48
01/17/2021	3	150	91	46
01/17/2021	4	150	90	45
01/17/2021	5	150	90	46
01/17/2021	6	150	92	47
01/17/2021	7	150	92	48
01/17/2021	8	150	92	48
01/17/2021	9	150	97	51
01/17/2021	10	150	112	54
01/17/2021	11	150	113	57
01/17/2021	12	150	114	56
01/17/2021	13	150	114	57
01/17/2021	14	150	114	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/17/2021	15	150	113	57
01/17/2021	16	150	113	56
01/17/2021	17	150	113	56
01/17/2021	18	150	122	64
01/17/2021	19	150	118	63
01/17/2021	20	150	117	61
01/17/2021	21	150	114	59
01/17/2021	22	150	110	56
01/17/2021	23	150	108	52
01/17/2021	24	150	93	50
01/18/2021	1	150	107	46
01/18/2021	2	150	107	44
01/18/2021	3	150	107	43
01/18/2021	4	124	102	42
01/18/2021	5	150	103	43
01/18/2021	6	150	107	46
01/18/2021	7	150	107	47
01/18/2021	8	150	107	51
01/18/2021	9	150	107	59
01/18/2021	10	150	113	64
01/18/2021	11	150	115	67
01/18/2021	12	150	116	67
01/18/2021	13	150	115	68
01/18/2021	14	150	116	69
01/18/2021	15	150	115	68
01/18/2021	16	150	115	66
01/18/2021	17	150	114	64
01/18/2021	18	150	124	69
01/18/2021	19	150	119	66
01/18/2021	20	150	118	63
01/18/2021	21	150	115	60
01/18/2021	22	150	111	57
01/18/2021	23	150	109	53
01/18/2021	24	150	107	49
01/19/2021	1	150	98	48
01/19/2021	2	150	96	46
01/19/2021	3	150	92	44
01/19/2021	4	150	92	44
01/19/2021	5	150	92	44
01/19/2021	6	150	99	48
01/19/2021	7	150	98	50
01/19/2021	8	150	99	54
01/19/2021	9	150	105	61
01/19/2021	10	150	141	65
01/19/2021	11	150	144	69
01/19/2021	12	150	146	68
01/19/2021	13	150	146	68
01/19/2021	14	150	146	69
01/19/2021	15	150	146	68
01/19/2021	16	150	124	67
01/19/2021	17	150	119	65
01/19/2021	18	150	143	71
01/19/2021	19	150	122	67
01/19/2021	20	150	121	65
01/19/2021	21	150	118	62
01/19/2021	22	150	115	58
01/19/2021	23	150	111	55
01/19/2021	24	150	101	52
01/20/2021	1	150	94	45
01/20/2021	2	150	94	44
01/20/2021	3	141	94	42
01/20/2021	4	136	94	42
01/20/2021	5	150	94	44
01/20/2021	6	150	106	48
01/20/2021	7	150	106	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/20/2021	8	150	112	54
01/20/2021	9	150	112	60
01/20/2021	10	150	118	64
01/20/2021	11	150	120	67
01/20/2021	12	150	120	66
01/20/2021	13	150	120	67
01/20/2021	14	150	120	68
01/20/2021	15	150	120	66
01/20/2021	16	150	119	65
01/20/2021	17	150	118	64
01/20/2021	18	150	120	68
01/20/2021	19	150	122	65
01/20/2021	20	150	121	61
01/20/2021	21	150	118	58
01/20/2021	22	150	115	54
01/20/2021	23	150	112	51
01/20/2021	24	150	97	48
01/21/2021	1	150	97	46
01/21/2021	2	150	95	45
01/21/2021	3	150	94	44
01/21/2021	4	150	94	44
01/21/2021	5	150	94	45
01/21/2021	6	150	97	49
01/21/2021	7	150	98	49
01/21/2021	8	150	98	55
01/21/2021	9	150	103	59
01/21/2021	10	150	115	63
01/21/2021	11	150	118	65
01/21/2021	12	150	117	64
01/21/2021	13	150	116	65
01/21/2021	14	150	116	67
01/21/2021	15	150	117	65
01/21/2021	16	150	116	64
01/21/2021	17	150	116	64
01/21/2021	18	150	120	68
01/21/2021	19	150	118	65
01/21/2021	20	150	117	61
01/21/2021	21	150	116	59
01/21/2021	22	150	113	56
01/21/2021	23	150	109	52
01/21/2021	24	150	99	51
01/22/2021	1	150	102	48
01/22/2021	2	150	102	47
01/22/2021	3	150	102	46
01/22/2021	4	150	102	46
01/22/2021	5	150	102	46
01/22/2021	6	150	102	50
01/22/2021	7	150	102	51
01/22/2021	8	150	102	55
01/22/2021	9	150	103	61
01/22/2021	10	150	114	65
01/22/2021	11	150	117	67
01/22/2021	12	150	118	66
01/22/2021	13	150	116	66
01/22/2021	14	150	118	68
01/22/2021	15	150	118	67
01/22/2021	16	150	118	66
01/22/2021	17	150	115	66
01/22/2021	18	150	117	68
01/22/2021	19	150	119	64
01/22/2021	20	150	119	61
01/22/2021	21	150	115	59
01/22/2021	22	150	111	56
01/22/2021	23	150	109	52
01/22/2021	24	150	99	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/23/2021	1	150	102	49
01/23/2021	2	150	102	48
01/23/2021	3	150	102	46
01/23/2021	4	150	102	46
01/23/2021	5	150	102	46
01/23/2021	6	150	102	49
01/23/2021	7	150	102	49
01/23/2021	8	150	102	52
01/23/2021	9	150	103	56
01/23/2021	10	150	112	59
01/23/2021	11	150	113	61
01/23/2021	12	150	113	61
01/23/2021	13	150	113	63
01/23/2021	14	150	114	64
01/23/2021	15	150	115	63
01/23/2021	16	150	114	61
01/23/2021	17	150	113	61
01/23/2021	18	150	117	67
01/23/2021	19	150	119	64
01/23/2021	20	150	120	62
01/23/2021	21	150	117	60
01/23/2021	22	150	114	56
01/23/2021	23	150	111	52
01/23/2021	24	150	99	50
01/24/2021	1	150	102	49
01/24/2021	2	150	102	47
01/24/2021	3	150	102	45
01/24/2021	4	150	94	44
01/24/2021	5	150	94	44
01/24/2021	6	150	97	46
01/24/2021	7	150	98	47
01/24/2021	8	150	98	47
01/24/2021	9	150	93	49
01/24/2021	10	150	101	51
01/24/2021	11	150	114	53
01/24/2021	12	150	113	53
01/24/2021	13	150	114	53
01/24/2021	14	150	114	54
01/24/2021	15	150	114	54
01/24/2021	16	150	114	53
01/24/2021	17	150	114	52
01/24/2021	18	150	116	62
01/24/2021	19	150	118	61
01/24/2021	20	150	118	60
01/24/2021	21	150	115	57
01/24/2021	22	150	112	53
01/24/2021	23	150	107	51
01/24/2021	24	150	100	48
01/25/2021	1	150	96	46
01/25/2021	2	150	96	45
01/25/2021	3	140	96	44
01/25/2021	4	118	96	42
01/25/2021	5	125	96	43
01/25/2021	6	150	97	47
01/25/2021	7	150	98	50
01/25/2021	8	150	98	53
01/25/2021	9	150	109	60
01/25/2021	10	150	115	63
01/25/2021	11	150	117	66
01/25/2021	12	150	116	66
01/25/2021	13	150	116	64
01/25/2021	14	150	116	66
01/25/2021	15	150	116	66
01/25/2021	16	150	116	65
01/25/2021	17	150	116	64

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/25/2021	18	150	131	68
01/25/2021	19	150	120	65
01/25/2021	20	150	120	62
01/25/2021	21	150	116	60
01/25/2021	22	150	110	55
01/25/2021	23	150	108	53
01/25/2021	24	150	99	50
01/26/2021	1	150	96	49
01/26/2021	2	150	95	48
01/26/2021	3	150	94	46
01/26/2021	4	150	94	46
01/26/2021	5	150	94	46
01/26/2021	6	150	96	50
01/26/2021	7	150	98	53
01/26/2021	8	150	97	54
01/26/2021	9	150	102	61
01/26/2021	10	150	117	65
01/26/2021	11	150	119	66
01/26/2021	12	150	119	65
01/26/2021	13	150	119	66
01/26/2021	14	150	119	69
01/26/2021	15	150	120	68
01/26/2021	16	150	119	66
01/26/2021	17	150	116	64
01/26/2021	18	150	135	69
01/26/2021	19	150	121	66
01/26/2021	20	150	121	62
01/26/2021	21	150	117	60
01/26/2021	22	150	114	55
01/26/2021	23	150	109	52
01/26/2021	24	150	99	50
01/27/2021	1	150	95	49
01/27/2021	2	150	95	47
01/27/2021	3	150	95	46
01/27/2021	4	150	95	45
01/27/2021	5	150	95	46
01/27/2021	6	150	104	51
01/27/2021	7	150	103	52
01/27/2021	8	150	102	54
01/27/2021	9	150	107	62
01/27/2021	10	150	122	67
01/27/2021	11	150	131	70
01/27/2021	12	150	123	69
01/27/2021	13	150	135	70
01/27/2021	14	150	139	74
01/27/2021	15	150	142	73
01/27/2021	16	150	142	72
01/27/2021	17	150	140	67
01/27/2021	18	150	142	72
01/27/2021	19	150	137	68
01/27/2021	20	150	136	66
01/27/2021	21	150	135	64
01/27/2021	22	150	122	60
01/27/2021	23	150	106	56
01/27/2021	24	150	102	53
01/28/2021	1	119	119	49
01/28/2021	2	118	118	48
01/28/2021	3	116	116	48
01/28/2021	4	114	114	47
01/28/2021	5	116	116	48
01/28/2021	6	118	118	51
01/28/2021	7	121	121	52
01/28/2021	8	125	125	56
01/28/2021	9	130	130	64
01/28/2021	10	126	126	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/28/2021	11	128	128	72
01/28/2021	12	128	128	70
01/28/2021	13	128	128	73
01/28/2021	14	131	131	75
01/28/2021	15	135	135	75
01/28/2021	16	131	131	73
01/28/2021	17	129	129	68
01/28/2021	18	127	127	70
01/28/2021	19	129	129	69
01/28/2021	20	126	126	68
01/28/2021	21	133	133	66
01/28/2021	22	128	128	62
01/28/2021	23	126	126	58
01/28/2021	24	122	122	58
01/29/2021	1	121	121	52
01/29/2021	2	119	119	49
01/29/2021	3	117	117	48
01/29/2021	4	116	116	48
01/29/2021	5	117	117	48
01/29/2021	6	119	119	52
01/29/2021	7	120	120	53
01/29/2021	8	122	122	56
01/29/2021	9	128	128	63
01/29/2021	10	123	123	68
01/29/2021	11	132	132	72
01/29/2021	12	125	125	70
01/29/2021	13	127	127	71
01/29/2021	14	134	134	74
01/29/2021	15	137	137	73
01/29/2021	16	132	132	70
01/29/2021	17	129	129	66
01/29/2021	18	128	128	69
01/29/2021	19	129	129	68
01/29/2021	20	127	127	66
01/29/2021	21	123	123	64
01/29/2021	22	130	130	60
01/29/2021	23	128	128	56
01/29/2021	24	124	124	52
01/30/2021	1	118	118	50
01/30/2021	2	117	117	48
01/30/2021	3	115	115	47
01/30/2021	4	114	114	46
01/30/2021	5	114	114	46
01/30/2021	6	116	116	49
01/30/2021	7	116	116	49
01/30/2021	8	117	117	52
01/30/2021	9	116	116	57
01/30/2021	10	120	120	59
01/30/2021	11	115	115	64
01/30/2021	12	115	115	63
01/30/2021	13	117	117	64
01/30/2021	14	118	118	64
01/30/2021	15	117	117	63
01/30/2021	16	117	117	61
01/30/2021	17	119	119	61
01/30/2021	18	125	125	68
01/30/2021	19	127	127	67
01/30/2021	20	124	124	65
01/30/2021	21	133	133	62
01/30/2021	22	128	128	60
01/30/2021	23	126	126	56
01/30/2021	24	122	122	53
01/31/2021	1	116	116	49
01/31/2021	2	115	115	48
01/31/2021	3	113	113	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/31/2021	4	112	112	45
01/31/2021	5	113	113	45
01/31/2021	6	114	114	47
01/31/2021	7	114	114	48
01/31/2021	8	114	114	49
01/31/2021	9	117	117	50
01/31/2021	10	120	120	54
01/31/2021	11	123	123	56
01/31/2021	12	124	124	58
01/31/2021	13	124	124	58
01/31/2021	14	126	126	59
01/31/2021	15	125	125	59
01/31/2021	16	125	125	57
01/31/2021	17	124	124	56
01/31/2021	18	127	127	62
01/31/2021	19	125	125	61
01/31/2021	20	123	122	61
01/31/2021	21	128	128	59
01/31/2021	22	120	120	57
01/31/2021	23	119	119	53
01/31/2021	24	115	115	50
02/01/2021	1	121	121	47
02/01/2021	2	120	120	46
02/01/2021	3	116	115	44
02/01/2021	4	115	115	44
02/01/2021	5	116	116	45
02/01/2021	6	117	117	49
02/01/2021	7	120	120	51
02/01/2021	8	122	122	54
02/01/2021	9	127	127	63
02/01/2021	10	122	122	67
02/01/2021	11	122	122	71
02/01/2021	12	122	122	70
02/01/2021	13	127	127	72
02/01/2021	14	132	132	74
02/01/2021	15	128	128	73
02/01/2021	16	128	128	71
02/01/2021	17	125	125	67
02/01/2021	18	128	128	68
02/01/2021	19	129	129	68
02/01/2021	20	124	124	66
02/01/2021	21	133	133	64
02/01/2021	22	129	129	60
02/01/2021	23	128	128	57
02/01/2021	24	123	123	53
02/02/2021	1	119	119	50
02/02/2021	2	117	117	49
02/02/2021	3	115	115	48
02/02/2021	4	114	114	48
02/02/2021	5	115	115	48
02/02/2021	6	116	116	51
02/02/2021	7	117	117	52
02/02/2021	8	120	120	56
02/02/2021	9	128	128	63
02/02/2021	10	131	131	68
02/02/2021	11	137	137	72
02/02/2021	12	131	131	71
02/02/2021	13	142	142	72
02/02/2021	14	148	148	74
02/02/2021	15	146	145	72
02/02/2021	16	143	143	70
02/02/2021	17	136	135	67
02/02/2021	18	144	144	69
02/02/2021	19	136	135	67
02/02/2021	20	135	135	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/02/2021	21	132	132	63
02/02/2021	22	128	128	60
02/02/2021	23	127	127	55
02/02/2021	24	124	124	52
02/03/2021	1	116	116	48
02/03/2021	2	114	114	46
02/03/2021	3	113	113	44
02/03/2021	4	112	112	44
02/03/2021	5	112	112	46
02/03/2021	6	115	115	49
02/03/2021	7	116	116	50
02/03/2021	8	118	118	54
02/03/2021	9	125	125	61
02/03/2021	10	122	122	66
02/03/2021	11	126	126	69
02/03/2021	12	127	127	68
02/03/2021	13	127	127	69
02/03/2021	14	132	132	71
02/03/2021	15	138	138	70
02/03/2021	16	131	131	68
02/03/2021	17	127	127	65
02/03/2021	18	125	125	66
02/03/2021	19	128	128	65
02/03/2021	20	126	126	64
02/03/2021	21	125	125	61
02/03/2021	22	131	131	57
02/03/2021	23	127	127	55
02/03/2021	24	121	121	51
02/04/2021	1	116	116	48
02/04/2021	2	114	114	46
02/04/2021	3	113	113	44
02/04/2021	4	112	112	44
02/04/2021	5	112	112	46
02/04/2021	6	115	115	49
02/04/2021	7	116	116	50
02/04/2021	8	118	118	54
02/04/2021	9	125	125	61
02/04/2021	10	122	122	66
02/04/2021	11	126	126	69
02/04/2021	12	127	127	68
02/04/2021	13	127	127	69
02/04/2021	14	132	132	71
02/04/2021	15	138	138	70
02/04/2021	16	131	131	68
02/04/2021	17	127	127	65
02/04/2021	18	125	125	66
02/04/2021	19	128	128	65
02/04/2021	20	126	126	64
02/04/2021	21	125	125	61
02/04/2021	22	131	131	57
02/04/2021	23	127	127	55
02/04/2021	24	121	121	51
02/05/2021	1	119	119	48
02/05/2021	2	118	118	46
02/05/2021	3	116	116	45
02/05/2021	4	114	113	44
02/05/2021	5	115	115	45
02/05/2021	6	117	117	49
02/05/2021	7	118	118	49
02/05/2021	8	121	121	54
02/05/2021	9	130	130	61
02/05/2021	10	137	137	66
02/05/2021	11	129	129	68
02/05/2021	12	130	130	67
02/05/2021	13	131	131	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/05/2021	14	133	133	71
02/05/2021	15	137	137	70
02/05/2021	16	131	131	68
02/05/2021	17	127	127	64
02/05/2021	18	130	130	66
02/05/2021	19	128	128	64
02/05/2021	20	125	125	64
02/05/2021	21	123	123	62
02/05/2021	22	128	128	59
02/05/2021	23	127	127	55
02/05/2021	24	123	123	52
02/06/2021	1	119	119	49
02/06/2021	2	118	118	47
02/06/2021	3	116	116	46
02/06/2021	4	114	114	46
02/06/2021	5	115	115	47
02/06/2021	6	117	117	50
02/06/2021	7	118	118	52
02/06/2021	8	119	119	54
02/06/2021	9	119	119	56
02/06/2021	10	122	122	59
02/06/2021	11	116	116	62
02/06/2021	12	116	116	61
02/06/2021	13	119	119	60
02/06/2021	14	127	127	62
02/06/2021	15	131	131	61
02/06/2021	16	125	125	61
02/06/2021	17	123	123	60
02/06/2021	18	124	124	64
02/06/2021	19	128	128	63
02/06/2021	20	126	126	61
02/06/2021	21	124	124	60
02/06/2021	22	130	130	56
02/06/2021	23	126	126	52
02/06/2021	24	123	123	48
02/07/2021	1	117	117	48
02/07/2021	2	116	116	46
02/07/2021	3	114	114	45
02/07/2021	4	113	113	44
02/07/2021	5	113	113	44
02/07/2021	6	115	115	46
02/07/2021	7	114	114	48
02/07/2021	8	114	114	48
02/07/2021	9	117	117	50
02/07/2021	10	122	122	53
02/07/2021	11	125	125	54
02/07/2021	12	125	125	54
02/07/2021	13	125	125	55
02/07/2021	14	126	126	56
02/07/2021	15	125	125	55
02/07/2021	16	124	124	54
02/07/2021	17	124	124	54
02/07/2021	18	124	124	62
02/07/2021	19	133	133	61
02/07/2021	20	123	123	60
02/07/2021	21	130	130	58
02/07/2021	22	119	119	55
02/07/2021	23	120	120	52
02/07/2021	24	115	115	49
02/08/2021	1	121	121	46
02/08/2021	2	114	114	45
02/08/2021	3	105	104	43
02/08/2021	4	98	98	42
02/08/2021	5	107	107	44
02/08/2021	6	118	118	47

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/08/2021	7	119	119	50
02/08/2021	8	122	122	53
02/08/2021	9	129	129	59
02/08/2021	10	122	122	64
02/08/2021	11	126	126	66
02/08/2021	12	128	128	65
02/08/2021	13	129	129	66
02/08/2021	14	132	132	70
02/08/2021	15	136	136	68
02/08/2021	16	133	133	65
02/08/2021	17	130	130	62
02/08/2021	18	127	127	65
02/08/2021	19	130	130	64
02/08/2021	20	128	128	62
02/08/2021	21	125	125	59
02/08/2021	22	129	129	57
02/08/2021	23	128	128	53
02/08/2021	24	125	125	50
02/09/2021	1	118	118	48
02/09/2021	2	116	116	46
02/09/2021	3	115	115	44
02/09/2021	4	114	114	44
02/09/2021	5	114	114	44
02/09/2021	6	116	116	48
02/09/2021	7	116	116	50
02/09/2021	8	118	118	54
02/09/2021	9	128	128	60
02/09/2021	10	125	125	65
02/09/2021	11	131	131	68
02/09/2021	12	130	130	67
02/09/2021	13	132	132	69
02/09/2021	14	135	134	71
02/09/2021	15	139	139	70
02/09/2021	16	133	133	68
02/09/2021	17	128	128	64
02/09/2021	18	137	137	66
02/09/2021	19	130	130	66
02/09/2021	20	128	128	64
02/09/2021	21	129	129	62
02/09/2021	22	131	131	58
02/09/2021	23	125	125	55
02/09/2021	24	122	122	51
02/10/2021	1	121	121	48
02/10/2021	2	120	120	46
02/10/2021	3	118	118	45
02/10/2021	4	115	114	44
02/10/2021	5	117	117	44
02/10/2021	6	119	119	48
02/10/2021	7	120	120	51
02/10/2021	8	121	121	54
02/10/2021	9	129	129	60
02/10/2021	10	126	126	65
02/10/2021	11	129	129	68
02/10/2021	12	130	130	66
02/10/2021	13	132	132	68
02/10/2021	14	134	134	70
02/10/2021	15	139	139	69
02/10/2021	16	132	132	67
02/10/2021	17	129	129	63
02/10/2021	18	128	128	66
02/10/2021	19	130	130	65
02/10/2021	20	128	128	62
02/10/2021	21	125	125	61
02/10/2021	22	130	130	57
02/10/2021	23	129	129	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/10/2021	24	124	124	50
02/11/2021	1	122	122	49
02/11/2021	2	120	120	48
02/11/2021	3	117	117	46
02/11/2021	4	116	116	45
02/11/2021	5	117	117	46
02/11/2021	6	119	119	49
02/11/2021	7	119	119	50
02/11/2021	8	121	121	54
02/11/2021	9	130	130	62
02/11/2021	10	142	125	66
02/11/2021	11	147	130	70
02/11/2021	12	148	130	69
02/11/2021	13	147	131	70
02/11/2021	14	149	135	72
02/11/2021	15	149	140	71
02/11/2021	16	135	135	69
02/11/2021	17	129	129	65
02/11/2021	18	129	129	66
02/11/2021	19	130	130	67
02/11/2021	20	128	128	65
02/11/2021	21	126	126	63
02/11/2021	22	131	131	59
02/11/2021	23	128	128	56
02/11/2021	24	125	125	52
02/12/2021	1	121	121	50
02/12/2021	2	120	120	48
02/12/2021	3	119	119	46
02/12/2021	4	117	117	46
02/12/2021	5	118	118	47
02/12/2021	6	119	119	50
02/12/2021	7	121	121	51
02/12/2021	8	123	123	54
02/12/2021	9	132	132	56
02/12/2021	10	134	128	59
02/12/2021	11	138	131	62
02/12/2021	12	138	131	61
02/12/2021	13	139	133	62
02/12/2021	14	139	137	64
02/12/2021	15	142	142	63
02/12/2021	16	136	136	61
02/12/2021	17	132	132	60
02/12/2021	18	128	128	64
02/12/2021	19	129	129	66
02/12/2021	20	126	126	64
02/12/2021	21	124	124	63
02/12/2021	22	130	130	60
02/12/2021	23	129	129	56
02/12/2021	24	125	125	53
02/13/2021	1	117	117	49
02/13/2021	2	116	116	47
02/13/2021	3	114	114	47
02/13/2021	4	113	113	46
02/13/2021	5	113	113	47
02/13/2021	6	115	115	50
02/13/2021	7	114	114	52
02/13/2021	8	114	114	53
02/13/2021	9	117	117	56
02/13/2021	10	122	122	59
02/13/2021	11	125	125	62
02/13/2021	12	125	125	61
02/13/2021	13	125	125	63
02/13/2021	14	126	126	65
02/13/2021	15	125	125	64
02/13/2021	16	124	124	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/13/2021	17	124	124	60
02/13/2021	18	135	134	65
02/13/2021	19	133	133	67
02/13/2021	20	127	126	64
02/13/2021	21	130	130	61
02/13/2021	22	119	119	58
02/13/2021	23	120	120	55
02/13/2021	24	115	115	52
02/14/2021	1	121	121	48
02/14/2021	2	119	119	47
02/14/2021	3	117	117	45
02/14/2021	4	116	116	44
02/14/2021	5	116	116	45
02/14/2021	6	118	118	46
02/14/2021	7	119	119	48
02/14/2021	8	122	122	48
02/14/2021	9	115	115	50
02/14/2021	10	115	115	53
02/14/2021	11	126	126	55
02/14/2021	12	128	128	55
02/14/2021	13	129	129	56
02/14/2021	14	132	132	56
02/14/2021	15	136	136	55
02/14/2021	16	133	133	55
02/14/2021	17	130	130	54
02/14/2021	18	127	127	61
02/14/2021	19	130	130	62
02/14/2021	20	128	128	60
02/14/2021	21	125	125	58
02/14/2021	22	129	129	55
02/14/2021	23	128	128	52
02/14/2021	24	125	125	49
02/15/2021	1	119	119	46
02/15/2021	2	118	118	45
02/15/2021	3	106	106	43
02/15/2021	4	106	106	43
02/15/2021	5	116	116	45
02/15/2021	6	118	118	49
02/15/2021	7	121	121	51
02/15/2021	8	125	125	55
02/15/2021	9	130	130	61
02/15/2021	10	126	126	65
02/15/2021	11	128	128	69
02/15/2021	12	128	128	68
02/15/2021	13	128	128	70
02/15/2021	14	133	132	72
02/15/2021	15	135	135	70
02/15/2021	16	131	131	69
02/15/2021	17	129	129	64
02/15/2021	18	135	134	66
02/15/2021	19	137	137	68
02/15/2021	20	126	126	64
02/15/2021	21	133	133	61
02/15/2021	22	128	128	59
02/15/2021	23	126	126	55
02/15/2021	24	122	122	52
02/16/2021	1	121	121	50
02/16/2021	2	119	119	48
02/16/2021	3	118	118	46
02/16/2021	4	117	117	45
02/16/2021	5	117	117	47
02/16/2021	6	118	118	50
02/16/2021	7	119	119	51
02/16/2021	8	122	122	55
02/16/2021	9	129	129	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/16/2021	10	135	135	67
02/16/2021	11	140	140	70
02/16/2021	12	137	137	69
02/16/2021	13	139	138	71
02/16/2021	14	144	144	73
02/16/2021	15	140	140	71
02/16/2021	16	134	134	69
02/16/2021	17	134	133	65
02/16/2021	18	142	141	66
02/16/2021	19	138	138	68
02/16/2021	20	132	132	65
02/16/2021	21	127	127	63
02/16/2021	22	131	131	61
02/16/2021	23	129	129	56
02/16/2021	24	125	125	53
02/17/2021	1	122	122	50
02/17/2021	2	119	119	48
02/17/2021	3	118	118	47
02/17/2021	4	117	117	46
02/17/2021	5	117	117	47
02/17/2021	6	119	119	49
02/17/2021	7	119	119	49
02/17/2021	8	120	120	53
02/17/2021	9	126	126	61
02/17/2021	10	124	124	66
02/17/2021	11	138	137	70
02/17/2021	12	130	130	69
02/17/2021	13	133	133	71
02/17/2021	14	146	145	73
02/17/2021	15	140	140	72
02/17/2021	16	133	133	70
02/17/2021	17	130	130	65
02/17/2021	18	128	128	66
02/17/2021	19	132	132	66
02/17/2021	20	129	129	63
02/17/2021	21	127	127	60
02/17/2021	22	132	132	57
02/17/2021	23	131	131	53
02/17/2021	24	125	125	51
02/18/2021	1	122	122	47
02/18/2021	2	120	120	45
02/18/2021	3	118	118	44
02/18/2021	4	116	116	44
02/18/2021	5	117	117	46
02/18/2021	6	120	120	50
02/18/2021	7	120	120	51
02/18/2021	8	121	121	55
02/18/2021	9	129	129	63
02/18/2021	10	127	127	68
02/18/2021	11	130	130	70
02/18/2021	12	129	129	69
02/18/2021	13	130	130	70
02/18/2021	14	133	133	72
02/18/2021	15	139	139	71
02/18/2021	16	134	134	69
02/18/2021	17	129	129	65
02/18/2021	18	128	128	66
02/18/2021	19	131	131	67
02/18/2021	20	128	128	63
02/18/2021	21	126	126	60
02/18/2021	22	132	132	56
02/18/2021	23	130	130	52
02/18/2021	24	125	125	50
02/19/2021	1	121	121	47
02/19/2021	2	120	120	45

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/19/2021	3	118	118	44
02/19/2021	4	115	115	44
02/19/2021	5	116	116	44
02/19/2021	6	119	119	49
02/19/2021	7	119	119	50
02/19/2021	8	122	122	53
02/19/2021	9	129	129	59
02/19/2021	10	124	124	65
02/19/2021	11	130	130	67
02/19/2021	12	129	129	67
02/19/2021	13	128	128	69
02/19/2021	14	133	133	71
02/19/2021	15	138	138	69
02/19/2021	16	133	133	66
02/19/2021	17	130	130	63
02/19/2021	18	128	128	64
02/19/2021	19	130	130	65
02/19/2021	20	128	128	63
02/19/2021	21	128	128	60
02/19/2021	22	133	133	56
02/19/2021	23	130	130	53
02/19/2021	24	125	125	50
02/20/2021	1	122	122	46
02/20/2021	2	121	121	45
02/20/2021	3	119	119	44
02/20/2021	4	118	117	43
02/20/2021	5	119	119	45
02/20/2021	6	120	120	48
02/20/2021	7	122	122	49
02/20/2021	8	126	126	51
02/20/2021	9	132	132	56
02/20/2021	10	126	126	59
02/20/2021	11	129	129	62
02/20/2021	12	129	129	61
02/20/2021	13	130	130	61
02/20/2021	14	131	131	63
02/20/2021	15	130	130	62
02/20/2021	16	129	129	61
02/20/2021	17	126	126	60
02/20/2021	18	125	125	63
02/20/2021	19	129	129	65
02/20/2021	20	126	126	62
02/20/2021	21	124	124	59
02/20/2021	22	130	130	56
02/20/2021	23	129	129	52
02/20/2021	24	125	125	50
02/21/2021	1	120	120	46
02/21/2021	2	119	119	45
02/21/2021	3	117	117	44
02/21/2021	4	115	115	44
02/21/2021	5	116	116	44
02/21/2021	6	118	118	46
02/21/2021	7	119	119	46
02/21/2021	8	122	122	47
02/21/2021	9	126	126	49
02/21/2021	10	119	119	52
02/21/2021	11	123	123	54
02/21/2021	12	123	123	54
02/21/2021	13	123	123	55
02/21/2021	14	125	125	56
02/21/2021	15	126	126	54
02/21/2021	16	125	125	53
02/21/2021	17	122	122	54
02/21/2021	18	127	127	58
02/21/2021	19	135	135	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/21/2021	20	129	129	59
02/21/2021	21	126	126	56
02/21/2021	22	133	133	54
02/21/2021	23	129	129	50
02/21/2021	24	124	124	47
02/22/2021	1	119	119	46
02/22/2021	2	118	118	44
02/22/2021	3	116	116	43
02/22/2021	4	111	111	42
02/22/2021	5	116	116	43
02/22/2021	6	118	118	47
02/22/2021	7	121	121	49
02/22/2021	8	125	125	53
02/22/2021	9	130	130	60
02/22/2021	10	126	126	66
02/22/2021	11	128	128	69
02/22/2021	12	128	128	68
02/22/2021	13	128	128	71
02/22/2021	14	132	132	73
02/22/2021	15	135	135	72
02/22/2021	16	131	131	69
02/22/2021	17	129	129	65
02/22/2021	18	127	127	66
02/22/2021	19	129	129	67
02/22/2021	20	126	126	63
02/22/2021	21	133	133	60
02/22/2021	22	128	128	57
02/22/2021	23	126	126	54
02/22/2021	24	122	122	51
02/23/2021	1	118	118	48
02/23/2021	2	116	116	46
02/23/2021	3	115	115	45
02/23/2021	4	114	114	45
02/23/2021	5	115	115	46
02/23/2021	6	116	116	49
02/23/2021	7	116	116	50
02/23/2021	8	117	117	55
02/23/2021	9	128	128	62
02/23/2021	10	128	127	67
02/23/2021	11	127	127	70
02/23/2021	12	129	129	69
02/23/2021	13	132	132	71
02/23/2021	14	137	137	73
02/23/2021	15	137	137	72
02/23/2021	16	134	134	69
02/23/2021	17	129	129	65
02/23/2021	18	132	132	66
02/23/2021	19	130	130	66
02/23/2021	20	127	127	63
02/23/2021	21	126	126	61
02/23/2021	22	132	132	57
02/23/2021	23	129	129	54
02/23/2021	24	123	123	51
02/24/2021	1	120	120	50
02/24/2021	2	118	118	48
02/24/2021	3	116	116	47
02/24/2021	4	115	115	46
02/24/2021	5	115	115	47
02/24/2021	6	118	118	49
02/24/2021	7	120	120	51
02/24/2021	8	121	121	56
02/24/2021	9	126	126	62
02/24/2021	10	123	123	66
02/24/2021	11	126	126	70
02/24/2021	12	128	128	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/24/2021	13	132	131	71
02/24/2021	14	140	140	74
02/24/2021	15	137	137	72
02/24/2021	16	132	132	71
02/24/2021	17	127	127	66
02/24/2021	18	127	127	66
02/24/2021	19	132	132	67
02/24/2021	20	129	129	66
02/24/2021	21	127	127	63
02/24/2021	22	132	132	60
02/24/2021	23	129	129	56
02/24/2021	24	125	125	52
02/25/2021	1	121	121	51
02/25/2021	2	120	120	48
02/25/2021	3	117	117	47
02/25/2021	4	116	116	46
02/25/2021	5	116	116	47
02/25/2021	6	119	119	48
02/25/2021	7	120	120	48
02/25/2021	8	122	122	50
02/25/2021	9	131	131	55
02/25/2021	10	125	125	60
02/25/2021	11	129	129	63
02/25/2021	12	130	130	62
02/25/2021	13	131	131	63
02/25/2021	14	132	132	65
02/25/2021	15	132	132	64
02/25/2021	16	133	133	63
02/25/2021	17	127	127	61
02/25/2021	18	126	126	65
02/25/2021	19	130	130	68
02/25/2021	20	127	127	65
02/25/2021	21	126	126	62
02/25/2021	22	129	129	60
02/25/2021	23	127	127	55
02/25/2021	24	125	125	52
02/26/2021	1	121	121	49
02/26/2021	2	120	120	46
02/26/2021	3	117	117	45
02/26/2021	4	116	116	45
02/26/2021	5	117	117	46
02/26/2021	6	119	119	49
02/26/2021	7	120	120	51
02/26/2021	8	124	124	55
02/26/2021	9	131	131	63
02/26/2021	10	142	142	68
02/26/2021	11	150	150	72
02/26/2021	12	150	150	71
02/26/2021	13	150	150	73
02/26/2021	14	150	150	74
02/26/2021	15	150	150	73
02/26/2021	16	150	150	70
02/26/2021	17	136	136	66
02/26/2021	18	141	141	66
02/26/2021	19	142	142	68
02/26/2021	20	135	134	66
02/26/2021	21	127	127	63
02/26/2021	22	124	124	60
02/26/2021	23	123	123	56
02/26/2021	24	119	119	52
02/27/2021	1	124	124	49
02/27/2021	2	124	124	48
02/27/2021	3	119	119	47
02/27/2021	4	117	117	45
02/27/2021	5	117	117	46

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/27/2021	6	120	120	49
02/27/2021	7	119	119	50
02/27/2021	8	120	120	51
02/27/2021	9	122	122	57
02/27/2021	10	127	127	61
02/27/2021	11	123	123	64
02/27/2021	12	125	125	64
02/27/2021	13	126	126	66
02/27/2021	14	128	128	68
02/27/2021	15	135	135	67
02/27/2021	16	130	130	64
02/27/2021	17	127	127	61
02/27/2021	18	132	132	64
02/27/2021	19	136	136	68
02/27/2021	20	127	127	65
02/27/2021	21	126	126	63
02/27/2021	22	130	130	60
02/27/2021	23	128	128	57
02/27/2021	24	123	123	53
02/28/2021	1	124	124	49
02/28/2021	2	124	124	47
02/28/2021	3	119	119	45
02/28/2021	4	117	117	44
02/28/2021	5	117	116	44
02/28/2021	6	120	120	46
02/28/2021	7	119	119	48
02/28/2021	8	120	120	48
02/28/2021	9	122	122	50
02/28/2021	10	127	127	53
02/28/2021	11	123	123	54
02/28/2021	12	125	125	56
02/28/2021	13	125	125	56
02/28/2021	14	128	128	57
02/28/2021	15	135	135	55
02/28/2021	16	130	130	54
02/28/2021	17	127	127	54
02/28/2021	18	127	127	61
02/28/2021	19	131	131	64
02/28/2021	20	127	127	62
02/28/2021	21	126	126	58
02/28/2021	22	130	130	56
02/28/2021	23	128	128	52
02/28/2021	24	123	123	49
03/01/2021	1	124	124	48
03/01/2021	2	124	124	46
03/01/2021	3	108	108	44
03/01/2021	4	105	105	43
03/01/2021	5	114	114	45
03/01/2021	6	120	120	49
03/01/2021	7	119	119	50
03/01/2021	8	120	120	54
03/01/2021	9	122	122	61
03/01/2021	10	127	127	66
03/01/2021	11	123	123	70
03/01/2021	12	125	125	69
03/01/2021	13	125	125	71
03/01/2021	14	129	129	74
03/01/2021	15	135	135	72
03/01/2021	16	130	130	70
03/01/2021	17	127	127	66
03/01/2021	18	127	127	66
03/01/2021	19	131	131	67
03/01/2021	20	127	127	65
03/01/2021	21	126	126	63
03/01/2021	22	130	130	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/01/2021	23	128	128	56
03/01/2021	24	123	123	53
03/02/2021	1	120	120	51
03/02/2021	2	119	119	49
03/02/2021	3	117	117	48
03/02/2021	4	115	115	47
03/02/2021	5	116	116	47
03/02/2021	6	119	119	51
03/02/2021	7	120	120	52
03/02/2021	8	122	122	57
03/02/2021	9	127	127	65
03/02/2021	10	124	124	69
03/02/2021	11	127	127	73
03/02/2021	12	128	128	73
03/02/2021	13	128	128	73
03/02/2021	14	129	129	76
03/02/2021	15	130	130	74
03/02/2021	16	130	130	72
03/02/2021	17	126	126	67
03/02/2021	18	126	126	67
03/02/2021	19	131	131	70
03/02/2021	20	127	127	67
03/02/2021	21	125	125	65
03/02/2021	22	131	131	62
03/02/2021	23	129	129	58
03/02/2021	24	124	124	54
03/03/2021	1	122	122	51
03/03/2021	2	121	121	50
03/03/2021	3	119	119	48
03/03/2021	4	117	117	47
03/03/2021	5	118	118	48
03/03/2021	6	121	121	51
03/03/2021	7	122	122	51
03/03/2021	8	123	123	56
03/03/2021	9	131	131	64
03/03/2021	10	124	124	68
03/03/2021	11	128	128	73
03/03/2021	12	129	129	71
03/03/2021	13	130	130	73
03/03/2021	14	132	132	76
03/03/2021	15	132	132	75
03/03/2021	16	133	133	72
03/03/2021	17	128	128	67
03/03/2021	18	126	126	67
03/03/2021	19	130	130	70
03/03/2021	20	128	128	67
03/03/2021	21	128	128	66
03/03/2021	22	131	131	62
03/03/2021	23	131	131	59
03/03/2021	24	127	127	54
03/04/2021	1	123	123	52
03/04/2021	2	120	120	50
03/04/2021	3	118	118	49
03/04/2021	4	117	117	48
03/04/2021	5	118	118	47
03/04/2021	6	118	118	52
03/04/2021	7	118	118	53
03/04/2021	8	119	119	58
03/04/2021	9	125	125	65
03/04/2021	10	130	130	70
03/04/2021	11	150	150	76
03/04/2021	12	149	149	75
03/04/2021	13	150	150	76
03/04/2021	14	150	150	79
03/04/2021	15	150	150	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/04/2021	16	137	136	74
03/04/2021	17	126	126	69
03/04/2021	18	149	148	70
03/04/2021	19	150	150	72
03/04/2021	20	137	136	70
03/04/2021	21	131	131	68
03/04/2021	22	130	130	64
03/04/2021	23	128	128	60
03/04/2021	24	123	123	56
03/05/2021	1	122	122	53
03/05/2021	2	119	119	50
03/05/2021	3	117	117	48
03/05/2021	4	116	116	48
03/05/2021	5	117	117	48
03/05/2021	6	118	118	52
03/05/2021	7	119	119	53
03/05/2021	8	120	120	57
03/05/2021	9	125	125	65
03/05/2021	10	138	137	70
03/05/2021	11	150	150	75
03/05/2021	12	140	140	73
03/05/2021	13	150	150	75
03/05/2021	14	150	150	77
03/05/2021	15	150	150	76
03/05/2021	16	150	149	73
03/05/2021	17	125	125	67
03/05/2021	18	134	134	68
03/05/2021	19	141	140	70
03/05/2021	20	133	133	68
03/05/2021	21	126	126	66
03/05/2021	22	132	132	63
03/05/2021	23	129	129	59
03/05/2021	24	123	123	54
03/06/2021	1	120	120	52
03/06/2021	2	119	119	50
03/06/2021	3	117	117	48
03/06/2021	4	116	116	48
03/06/2021	5	118	118	48
03/06/2021	6	119	119	50
03/06/2021	7	119	119	50
03/06/2021	8	119	119	53
03/06/2021	9	123	123	58
03/06/2021	10	128	128	63
03/06/2021	11	120	120	67
03/06/2021	12	121	121	66
03/06/2021	13	122	122	68
03/06/2021	14	123	123	70
03/06/2021	15	125	125	68
03/06/2021	16	125	125	64
03/06/2021	17	123	123	63
03/06/2021	18	121	121	66
03/06/2021	19	125	125	69
03/06/2021	20	123	123	67
03/06/2021	21	120	120	65
03/06/2021	22	127	127	63
03/06/2021	23	127	127	58
03/06/2021	24	122	122	54
03/07/2021	1	119	119	51
03/07/2021	2	119	119	50
03/07/2021	3	116	116	48
03/07/2021	4	114	114	46
03/07/2021	5	115	115	47
03/07/2021	6	116	116	47
03/07/2021	7	115	115	49
03/07/2021	8	115	115	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/07/2021	9	123	123	51
03/07/2021	10	126	126	55
03/07/2021	11	127	127	58
03/07/2021	12	127	127	58
03/07/2021	13	128	128	60
03/07/2021	14	128	128	59
03/07/2021	15	127	127	58
03/07/2021	16	127	127	54
03/07/2021	17	126	126	54
03/07/2021	18	128	128	60
03/07/2021	19	147	147	64
03/07/2021	20	132	132	62
03/07/2021	21	119	119	58
03/07/2021	22	123	123	56
03/07/2021	23	121	121	53
03/07/2021	24	120	120	49
03/08/2021	1	123	123	48
03/08/2021	2	121	121	47
03/08/2021	3	120	120	46
03/08/2021	4	118	118	45
03/08/2021	5	119	119	46
03/08/2021	6	121	121	49
03/08/2021	7	120	120	50
03/08/2021	8	122	122	54
03/08/2021	9	133	133	61
03/08/2021	10	128	128	66
03/08/2021	11	130	130	70
03/08/2021	12	130	130	71
03/08/2021	13	132	132	72
03/08/2021	14	137	136	75
03/08/2021	15	134	134	74
03/08/2021	16	134	134	72
03/08/2021	17	130	130	67
03/08/2021	18	129	129	67
03/08/2021	19	132	132	70
03/08/2021	20	131	131	67
03/08/2021	21	125	125	66
03/08/2021	22	133	133	62
03/08/2021	23	130	130	58
03/08/2021	24	127	127	54
03/09/2021	1	123	123	52
03/09/2021	2	120	120	50
03/09/2021	3	119	119	49
03/09/2021	4	119	119	48
03/09/2021	5	119	119	47
03/09/2021	6	120	120	51
03/09/2021	7	120	120	53
03/09/2021	8	124	124	58
03/09/2021	9	132	132	66
03/09/2021	10	141	141	71
03/09/2021	11	150	150	75
03/09/2021	12	150	150	74
03/09/2021	13	150	150	75
03/09/2021	14	150	150	77
03/09/2021	15	150	150	75
03/09/2021	16	141	141	73
03/09/2021	17	131	131	68
03/09/2021	18	147	146	70
03/09/2021	19	150	150	71
03/09/2021	20	148	148	68
03/09/2021	21	135	134	66
03/09/2021	22	137	137	63
03/09/2021	23	134	134	59
03/09/2021	24	127	127	55
03/10/2021	1	124	124	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/10/2021	2	122	122	50
03/10/2021	3	119	119	48
03/10/2021	4	117	117	48
03/10/2021	5	118	118	48
03/10/2021	6	120	120	52
03/10/2021	7	121	121	51
03/10/2021	8	126	126	57
03/10/2021	9	132	132	65
03/10/2021	10	128	128	69
03/10/2021	11	150	150	74
03/10/2021	12	146	146	73
03/10/2021	13	145	145	73
03/10/2021	14	150	150	76
03/10/2021	15	148	148	74
03/10/2021	16	135	135	72
03/10/2021	17	132	132	67
03/10/2021	18	132	132	68
03/10/2021	19	150	150	70
03/10/2021	20	146	146	67
03/10/2021	21	136	136	65
03/10/2021	22	121	121	59
03/10/2021	23	135	135	56
03/10/2021	24	128	128	54
03/11/2021	1	146	125	52
03/11/2021	2	146	123	50
03/11/2021	3	146	122	48
03/11/2021	4	146	120	47
03/11/2021	5	146	121	49
03/11/2021	6	146	123	52
03/11/2021	7	147	122	53
03/11/2021	8	147	125	57
03/11/2021	9	150	136	65
03/11/2021	10	150	131	69
03/11/2021	11	150	142	73
03/11/2021	12	150	135	72
03/11/2021	13	150	137	73
03/11/2021	14	150	142	74
03/11/2021	15	150	142	73
03/11/2021	16	150	134	70
03/11/2021	17	150	131	66
03/11/2021	18	150	131	68
03/11/2021	19	150	140	70
03/11/2021	20	150	142	69
03/11/2021	21	150	130	66
03/11/2021	22	150	127	61
03/11/2021	23	147	132	56
03/11/2021	24	146	128	53
03/12/2021	1	146	123	50
03/12/2021	2	146	120	49
03/12/2021	3	146	118	48
03/12/2021	4	146	116	48
03/12/2021	5	146	116	49
03/12/2021	6	147	120	53
03/12/2021	7	147	118	54
03/12/2021	8	147	122	58
03/12/2021	9	148	133	65
03/12/2021	10	149	130	68
03/12/2021	11	149	132	73
03/12/2021	12	149	133	72
03/12/2021	13	149	133	73
03/12/2021	14	149	142	75
03/12/2021	15	149	137	74
03/12/2021	16	149	137	72
03/12/2021	17	149	131	68
03/12/2021	18	149	129	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/12/2021	19	149	129	70
03/12/2021	20	149	127	66
03/12/2021	21	149	125	62
03/12/2021	22	149	122	59
03/12/2021	23	148	131	56
03/12/2021	24	146	126	53
03/13/2021	1	147	124	51
03/13/2021	2	147	122	49
03/13/2021	3	147	120	48
03/13/2021	4	147	118	47
03/13/2021	5	147	119	48
03/13/2021	6	147	122	50
03/13/2021	7	148	121	51
03/13/2021	8	148	123	52
03/13/2021	9	149	132	57
03/13/2021	10	149	138	62
03/13/2021	11	149	130	65
03/13/2021	12	149	130	64
03/13/2021	13	149	130	66
03/13/2021	14	149	133	68
03/13/2021	15	149	132	67
03/13/2021	16	149	132	65
03/13/2021	17	149	129	63
03/13/2021	18	149	128	65
03/13/2021	19	149	131	68
03/13/2021	20	149	126	65
03/13/2021	21	149	124	61
03/13/2021	22	149	121	57
03/13/2021	23	148	134	54
03/13/2021	24	147	128	52
03/14/2021	1	145	119	49
03/14/2021	2	145	119	48
03/14/2021	3	144	116	45
03/14/2021	4	144	114	44
03/14/2021	5	144	116	45
03/14/2021	6	144	116	46
03/14/2021	7	145	117	47
03/14/2021	8	145	116	48
03/14/2021	9	147	107	50
03/14/2021	10	148	108	53
03/14/2021	11	148	111	56
03/14/2021	12	148	111	56
03/14/2021	13	148	111	57
03/14/2021	14	148	111	59
03/14/2021	15	148	111	58
03/14/2021	16	148	110	56
03/14/2021	17	148	110	55
03/14/2021	18	148	124	59
03/14/2021	19	148	126	62
03/14/2021	20	147	124	61
03/14/2021	21	148	123	59
03/14/2021	22	147	128	56
03/14/2021	23	146	125	53
03/14/2021	24	144	122	49
03/15/2021	1	144	123	49
03/15/2021	2	144	122	48
03/15/2021	3	144	119	46
03/15/2021	4	144	118	45
03/15/2021	5	144	118	46
03/15/2021	6	144	122	50
03/15/2021	7	144	123	50
03/15/2021	8	144	125	56
03/15/2021	9	147	135	64
03/15/2021	10	148	132	68
03/15/2021	11	148	146	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/15/2021	12	148	147	73
03/15/2021	13	148	147	73
03/15/2021	14	150	150	76
03/15/2021	15	148	147	74
03/15/2021	16	148	140	72
03/15/2021	17	148	132	67
03/15/2021	18	148	132	68
03/15/2021	19	148	137	70
03/15/2021	20	147	127	67
03/15/2021	21	148	125	63
03/15/2021	22	147	122	59
03/15/2021	23	146	134	56
03/15/2021	24	145	127	53
03/16/2021	1	122	122	50
03/16/2021	2	121	121	48
03/16/2021	3	119	119	47
03/16/2021	4	118	118	47
03/16/2021	5	118	118	48
03/16/2021	6	120	120	51
03/16/2021	7	122	122	53
03/16/2021	8	124	124	57
03/16/2021	9	128	128	65
03/16/2021	10	128	128	69
03/16/2021	11	133	133	73
03/16/2021	12	133	133	72
03/16/2021	13	134	134	73
03/16/2021	14	137	137	75
03/16/2021	15	142	142	74
03/16/2021	16	137	137	72
03/16/2021	17	133	133	68
03/16/2021	18	129	129	68
03/16/2021	19	134	134	70
03/16/2021	20	130	130	67
03/16/2021	21	127	127	63
03/16/2021	22	124	124	60
03/16/2021	23	129	129	56
03/16/2021	24	125	125	52
03/17/2021	1	123	123	52
03/17/2021	2	122	122	50
03/17/2021	3	121	121	49
03/17/2021	4	118	118	48
03/17/2021	5	118	118	49
03/17/2021	6	121	121	53
03/17/2021	7	122	122	54
03/17/2021	8	128	128	58
03/17/2021	9	132	132	65
03/17/2021	10	130	130	71
03/17/2021	11	135	135	75
03/17/2021	12	138	138	74
03/17/2021	13	138	138	76
03/17/2021	14	142	142	79
03/17/2021	15	145	145	76
03/17/2021	16	139	139	73
03/17/2021	17	135	135	69
03/17/2021	18	132	132	70
03/17/2021	19	135	135	70
03/17/2021	20	132	132	68
03/17/2021	21	130	130	66
03/17/2021	22	125	125	62
03/17/2021	23	134	134	59
03/17/2021	24	129	129	55
03/18/2021	1	124	124	54
03/18/2021	2	122	122	52
03/18/2021	3	119	119	50
03/18/2021	4	117	117	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/18/2021	5	118	118	49
03/18/2021	6	121	121	52
03/18/2021	7	123	123	53
03/18/2021	8	126	126	58
03/18/2021	9	133	133	65
03/18/2021	10	130	130	72
03/18/2021	11	136	136	76
03/18/2021	12	134	134	74
03/18/2021	13	135	135	76
03/18/2021	14	150	150	79
03/18/2021	15	142	142	77
03/18/2021	16	137	137	74
03/18/2021	17	131	131	70
03/18/2021	18	131	131	69
03/18/2021	19	130	130	71
03/18/2021	20	130	130	69
03/18/2021	21	125	125	67
03/18/2021	22	119	119	64
03/18/2021	23	132	132	60
03/18/2021	24	127	127	54
03/19/2021	1	127	127	53
03/19/2021	2	125	125	51
03/19/2021	3	122	122	50
03/19/2021	4	121	121	48
03/19/2021	5	121	121	49
03/19/2021	6	123	123	52
03/19/2021	7	124	124	54
03/19/2021	8	127	127	58
03/19/2021	9	132	132	65
03/19/2021	10	130	130	71
03/19/2021	11	130	130	74
03/19/2021	12	130	130	73
03/19/2021	13	132	132	75
03/19/2021	14	140	136	77
03/19/2021	15	134	132	76
03/19/2021	16	131	131	74
03/19/2021	17	129	129	68
03/19/2021	18	130	130	69
03/19/2021	19	130	130	71
03/19/2021	20	126	126	68
03/19/2021	21	122	122	67
03/19/2021	22	120	120	64
03/19/2021	23	127	127	60
03/19/2021	24	124	124	56
03/20/2021	1	122	122	53
03/20/2021	2	120	120	51
03/20/2021	3	119	119	49
03/20/2021	4	117	117	48
03/20/2021	5	118	118	49
03/20/2021	6	121	121	52
03/20/2021	7	122	122	52
03/20/2021	8	121	121	54
03/20/2021	9	124	124	58
03/20/2021	10	127	127	63
03/20/2021	11	124	124	66
03/20/2021	12	125	125	66
03/20/2021	13	125	125	66
03/20/2021	14	127	127	69
03/20/2021	15	128	128	67
03/20/2021	16	126	126	65
03/20/2021	17	125	125	62
03/20/2021	18	128	128	66
03/20/2021	19	131	131	70
03/20/2021	20	130	130	67
03/20/2021	21	127	127	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/20/2021	22	121	121	59
03/20/2021	23	129	129	56
03/20/2021	24	123	123	53
03/21/2021	1	119	119	51
03/21/2021	2	117	117	49
03/21/2021	3	115	115	47
03/21/2021	4	114	114	47
03/21/2021	5	115	115	47
03/21/2021	6	114	114	48
03/21/2021	7	115	115	49
03/21/2021	8	114	114	49
03/21/2021	9	112	112	51
03/21/2021	10	114	114	53
03/21/2021	11	116	116	56
03/21/2021	12	116	116	56
03/21/2021	13	119	119	57
03/21/2021	14	116	116	58
03/21/2021	15	116	116	57
03/21/2021	16	116	116	55
03/21/2021	17	114	114	53
03/21/2021	18	123	123	60
03/21/2021	19	128	128	63
03/21/2021	20	125	125	61
03/21/2021	21	124	124	59
03/21/2021	22	118	118	56
03/21/2021	23	123	123	52
03/21/2021	24	121	121	50
03/22/2021	1	124	124	50
03/22/2021	2	122	122	48
03/22/2021	3	120	120	47
03/22/2021	4	119	119	46
03/22/2021	5	120	120	47
03/22/2021	6	121	121	51
03/22/2021	7	124	124	52
03/22/2021	8	125	125	57
03/22/2021	9	130	130	65
03/22/2021	10	150	150	71
03/22/2021	11	150	150	75
03/22/2021	12	150	150	75
03/22/2021	13	150	150	76
03/22/2021	14	150	150	79
03/22/2021	15	150	150	77
03/22/2021	16	150	150	74
03/22/2021	17	150	150	70
03/22/2021	18	150	150	71
03/22/2021	19	150	150	73
03/22/2021	20	150	150	70
03/22/2021	21	150	150	68
03/22/2021	22	135	135	65
03/22/2021	23	130	130	60
03/22/2021	24	125	125	56
03/23/2021	1	123	123	55
03/23/2021	2	121	121	52
03/23/2021	3	119	119	51
03/23/2021	4	119	119	50
03/23/2021	5	119	119	51
03/23/2021	6	120	120	53
03/23/2021	7	120	120	54
03/23/2021	8	126	126	60
03/23/2021	9	135	135	67
03/23/2021	10	150	150	73
03/23/2021	11	150	150	77
03/23/2021	12	150	150	76
03/23/2021	13	150	150	77
03/23/2021	14	150	150	80

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/23/2021	15	150	150	77
03/23/2021	16	142	142	75
03/23/2021	17	150	150	70
03/23/2021	18	150	150	71
03/23/2021	19	150	150	72
03/23/2021	20	150	150	70
03/23/2021	21	150	150	68
03/23/2021	22	137	137	65
03/23/2021	23	135	135	62
03/23/2021	24	127	127	57
03/24/2021	1	124	124	54
03/24/2021	2	122	122	52
03/24/2021	3	119	119	50
03/24/2021	4	118	118	49
03/24/2021	5	118	118	50
03/24/2021	6	121	121	53
03/24/2021	7	122	122	53
03/24/2021	8	127	127	58
03/24/2021	9	133	133	67
03/24/2021	10	150	149	72
03/24/2021	11	150	150	76
03/24/2021	12	150	150	75
03/24/2021	13	150	150	76
03/24/2021	14	150	150	78
03/24/2021	15	150	150	75
03/24/2021	16	141	141	73
03/24/2021	17	136	136	70
03/24/2021	18	150	150	71
03/24/2021	19	150	150	71
03/24/2021	20	135	135	67
03/24/2021	21	135	135	66
03/24/2021	22	135	135	64
03/24/2021	23	135	135	59
03/24/2021	24	129	129	55
03/25/2021	1	124	124	54
03/25/2021	2	122	122	52
03/25/2021	3	119	119	51
03/25/2021	4	118	118	49
03/25/2021	5	118	118	50
03/25/2021	6	121	121	54
03/25/2021	7	121	121	54
03/25/2021	8	126	126	59
03/25/2021	9	135	135	67
03/25/2021	10	150	150	72
03/25/2021	11	150	150	77
03/25/2021	12	150	150	76
03/25/2021	13	150	150	78
03/25/2021	14	150	150	80
03/25/2021	15	150	150	78
03/25/2021	16	150	150	75
03/25/2021	17	142	142	70
03/25/2021	18	148	147	70
03/25/2021	19	150	150	71
03/25/2021	20	150	150	69
03/25/2021	21	136	136	68
03/25/2021	22	135	135	65
03/25/2021	23	135	135	61
03/25/2021	24	129	129	57
03/26/2021	1	126	126	53
03/26/2021	2	123	123	50
03/26/2021	3	122	122	50
03/26/2021	4	120	120	48
03/26/2021	5	121	121	49
03/26/2021	6	124	124	52
03/26/2021	7	122	122	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/26/2021	8	125	125	60
03/26/2021	9	132	132	67
03/26/2021	10	150	150	71
03/26/2021	11	150	150	75
03/26/2021	12	150	150	74
03/26/2021	13	150	150	75
03/26/2021	14	150	150	78
03/26/2021	15	150	150	77
03/26/2021	16	150	150	74
03/26/2021	17	138	137	69
03/26/2021	18	150	150	70
03/26/2021	19	150	150	71
03/26/2021	20	137	136	68
03/26/2021	21	131	131	66
03/26/2021	22	120	120	62
03/26/2021	23	133	133	58
03/26/2021	24	128	128	54
03/27/2021	1	126	126	53
03/27/2021	2	124	124	51
03/27/2021	3	123	123	50
03/27/2021	4	120	120	49
03/27/2021	5	121	121	49
03/27/2021	6	124	124	53
03/27/2021	7	122	122	53
03/27/2021	8	125	125	55
03/27/2021	9	132	132	60
03/27/2021	10	127	127	64
03/27/2021	11	127	127	68
03/27/2021	12	129	129	67
03/27/2021	13	129	129	67
03/27/2021	14	131	131	69
03/27/2021	15	132	132	69
03/27/2021	16	132	132	66
03/27/2021	17	129	129	63
03/27/2021	18	126	126	66
03/27/2021	19	126	126	68
03/27/2021	20	124	124	65
03/27/2021	21	120	120	62
03/27/2021	22	120	120	60
03/27/2021	23	133	133	57
03/27/2021	24	128	128	54
03/28/2021	1	126	126	52
03/28/2021	2	124	124	51
03/28/2021	3	123	123	49
03/28/2021	4	121	121	48
03/28/2021	5	122	122	49
03/28/2021	6	125	125	49
03/28/2021	7	123	123	49
03/28/2021	8	125	125	51
03/28/2021	9	132	132	54
03/28/2021	10	127	127	56
03/28/2021	11	129	129	58
03/28/2021	12	132	132	59
03/28/2021	13	132	132	59
03/28/2021	14	138	138	60
03/28/2021	15	140	140	59
03/28/2021	16	137	137	57
03/28/2021	17	132	132	56
03/28/2021	18	129	129	61
03/28/2021	19	128	128	64
03/28/2021	20	125	125	61
03/28/2021	21	121	121	60
03/28/2021	22	120	120	56
03/28/2021	23	133	133	53
03/28/2021	24	128	128	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/29/2021	1	126	126	49
03/29/2021	2	124	124	48
03/29/2021	3	123	123	46
03/29/2021	4	121	121	45
03/29/2021	5	122	122	47
03/29/2021	6	125	125	50
03/29/2021	7	123	123	50
03/29/2021	8	125	125	57
03/29/2021	9	132	132	64
03/29/2021	10	127	127	69
03/29/2021	11	130	130	74
03/29/2021	12	130	130	73
03/29/2021	13	131	131	74
03/29/2021	14	133	133	75
03/29/2021	15	134	134	74
03/29/2021	16	133	133	73
03/29/2021	17	129	129	70
03/29/2021	18	127	127	71
03/29/2021	19	127	127	72
03/29/2021	20	125	125	69
03/29/2021	21	121	121	66
03/29/2021	22	120	120	63
03/29/2021	23	133	133	59
03/29/2021	24	128	128	55
03/30/2021	1	127	127	52
03/30/2021	2	123	123	50
03/30/2021	3	122	122	49
03/30/2021	4	120	120	47
03/30/2021	5	121	121	48
03/30/2021	6	124	124	51
03/30/2021	7	125	125	52
03/30/2021	8	128	128	58
03/30/2021	9	135	135	65
03/30/2021	10	133	133	69
03/30/2021	11	139	139	73
03/30/2021	12	141	141	72
03/30/2021	13	136	136	74
03/30/2021	14	142	142	74
03/30/2021	15	145	145	73
03/30/2021	16	140	140	71
03/30/2021	17	138	138	68
03/30/2021	18	136	136	68
03/30/2021	19	144	144	69
03/30/2021	20	141	141	67
03/30/2021	21	136	136	65
03/30/2021	22	134	134	61
03/30/2021	23	142	142	57
03/30/2021	24	135	135	53
03/31/2021	1	128	128	50
03/31/2021	2	125	125	48
03/31/2021	3	123	123	47
03/31/2021	4	121	121	46
03/31/2021	5	122	122	47
03/31/2021	6	124	124	51
03/31/2021	7	125	125	51
03/31/2021	8	130	130	55
03/31/2021	9	137	137	65
03/31/2021	10	133	133	68
03/31/2021	11	138	138	72
03/31/2021	12	138	138	72
03/31/2021	13	134	134	72
03/31/2021	14	140	140	74
03/31/2021	15	145	145	72
03/31/2021	16	139	139	70
03/31/2021	17	137	137	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/31/2021	18	134	134	67
03/31/2021	19	141	141	69
03/31/2021	20	136	136	67
03/31/2021	21	134	134	64
03/31/2021	22	131	131	60
03/31/2021	23	140	140	55
03/31/2021	24	133	133	52
04/01/2021	1	119	119	50
04/01/2021	2	117	117	48
04/01/2021	3	115	115	46
04/01/2021	4	114	114	45
04/01/2021	5	115	115	44
04/01/2021	6	114	114	46
04/01/2021	7	115	115	46
04/01/2021	8	114	114	47
04/01/2021	9	112	112	49
04/01/2021	10	115	113	51
04/01/2021	11	116	116	53
04/01/2021	12	117	116	53
04/01/2021	13	119	119	54
04/01/2021	14	117	111	54
04/01/2021	15	117	111	54
04/01/2021	16	117	111	52
04/01/2021	17	116	110	51
04/01/2021	18	123	123	56
04/01/2021	19	127	127	59
04/01/2021	20	125	125	57
04/01/2021	21	124	124	56
04/01/2021	22	118	118	53
04/01/2021	23	123	123	50
04/01/2021	24	121	121	47
04/02/2021	1	127	127	49
04/02/2021	2	127	127	46
04/02/2021	3	125	125	44
04/02/2021	4	108	108	42
04/02/2021	5	102	102	42
04/02/2021	6	100	100	42
04/02/2021	7	99	99	42
04/02/2021	8	102	102	43
04/02/2021	9	95	94	44
04/02/2021	10	98	98	45
04/02/2021	11	120	120	47
04/02/2021	12	110	110	47
04/02/2021	13	134	134	49
04/02/2021	14	132	132	49
04/02/2021	15	123	123	48
04/02/2021	16	114	114	46
04/02/2021	17	114	114	45
04/02/2021	18	131	131	54
04/02/2021	19	136	136	58
04/02/2021	20	133	133	57
04/02/2021	21	131	131	56
04/02/2021	22	129	129	53
04/02/2021	23	137	137	49
04/02/2021	24	129	129	47
04/03/2021	1	124	124	45
04/03/2021	2	122	117	43
04/03/2021	3	99	98	42
04/03/2021	4	90	90	41
04/03/2021	5	90	90	41
04/03/2021	6	90	90	41
04/03/2021	7	96	96	42
04/03/2021	8	125	125	46
04/03/2021	9	130	130	51
04/03/2021	10	129	129	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/03/2021	11	133	133	59
04/03/2021	12	134	134	59
04/03/2021	13	134	134	60
04/03/2021	14	135	135	61
04/03/2021	15	135	135	60
04/03/2021	16	135	135	59
04/03/2021	17	132	132	58
04/03/2021	18	137	137	62
04/03/2021	19	136	136	64
04/03/2021	20	131	131	62
04/03/2021	21	128	128	60
04/03/2021	22	126	126	56
04/03/2021	23	130	130	53
04/03/2021	24	125	125	49
04/04/2021	1	119	119	49
04/04/2021	2	118	118	47
04/04/2021	3	116	116	46
04/04/2021	4	114	114	45
04/04/2021	5	116	116	45
04/04/2021	6	118	118	47
04/04/2021	7	121	121	48
04/04/2021	8	125	125	49
04/04/2021	9	130	130	51
04/04/2021	10	126	126	55
04/04/2021	11	128	128	57
04/04/2021	12	128	128	58
04/04/2021	13	128	128	59
04/04/2021	14	131	131	60
04/04/2021	15	135	135	59
04/04/2021	16	131	131	57
04/04/2021	17	129	129	57
04/04/2021	18	127	127	61
04/04/2021	19	129	129	63
04/04/2021	20	126	126	62
04/04/2021	21	133	133	61
04/04/2021	22	128	128	58
04/04/2021	23	126	126	54
04/04/2021	24	122	122	51
04/05/2021	1	119	119	48
04/05/2021	2	118	118	46
04/05/2021	3	116	116	45
04/05/2021	4	114	114	45
04/05/2021	5	116	116	47
04/05/2021	6	118	118	51
04/05/2021	7	121	121	52
04/05/2021	8	125	125	57
04/05/2021	9	134	134	65
04/05/2021	10	150	150	69
04/05/2021	11	150	150	75
04/05/2021	12	150	150	75
04/05/2021	13	150	150	76
04/05/2021	14	150	150	77
04/05/2021	15	150	150	76
04/05/2021	16	150	150	74
04/05/2021	17	150	150	69
04/05/2021	18	150	150	70
04/05/2021	19	150	150	70
04/05/2021	20	150	150	68
04/05/2021	21	144	144	66
04/05/2021	22	137	136	63
04/05/2021	23	126	126	58
04/05/2021	24	122	122	54
04/06/2021	1	126	126	53
04/06/2021	2	124	124	51
04/06/2021	3	122	122	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/06/2021	4	121	121	48
04/06/2021	5	121	121	49
04/06/2021	6	122	122	53
04/06/2021	7	124	124	54
04/06/2021	8	129	129	59
04/06/2021	9	135	135	67
04/06/2021	10	132	132	73
04/06/2021	11	140	140	77
04/06/2021	12	137	137	76
04/06/2021	13	141	141	77
04/06/2021	14	150	150	79
04/06/2021	15	147	147	78
04/06/2021	16	139	139	75
04/06/2021	17	133	133	70
04/06/2021	18	130	130	70
04/06/2021	19	133	133	71
04/06/2021	20	133	133	68
04/06/2021	21	131	131	65
04/06/2021	22	128	128	61
04/06/2021	23	139	139	58
04/06/2021	24	131	131	53
04/07/2021	1	129	129	54
04/07/2021	2	127	127	52
04/07/2021	3	125	125	50
04/07/2021	4	123	123	49
04/07/2021	5	123	123	50
04/07/2021	6	126	126	54
04/07/2021	7	128	128	54
04/07/2021	8	132	132	59
04/07/2021	9	135	135	68
04/07/2021	10	129	129	73
04/07/2021	11	138	138	77
04/07/2021	12	136	136	76
04/07/2021	13	145	142	77
04/07/2021	14	147	147	80
04/07/2021	15	147	147	78
04/07/2021	16	136	136	76
04/07/2021	17	129	129	69
04/07/2021	18	128	128	70
04/07/2021	19	128	128	71
04/07/2021	20	128	128	69
04/07/2021	21	126	126	67
04/07/2021	22	126	126	63
04/07/2021	23	140	140	60
04/07/2021	24	130	130	56
04/08/2021	1	129	129	54
04/08/2021	2	128	128	52
04/08/2021	3	127	127	51
04/08/2021	4	125	125	50
04/08/2021	5	126	126	50
04/08/2021	6	129	129	53
04/08/2021	7	129	129	53
04/08/2021	8	133	133	59
04/08/2021	9	134	134	67
04/08/2021	10	135	134	72
04/08/2021	11	150	150	76
04/08/2021	12	150	150	75
04/08/2021	13	150	150	76
04/08/2021	14	150	150	80
04/08/2021	15	150	150	78
04/08/2021	16	150	150	75
04/08/2021	17	132	132	69
04/08/2021	18	134	134	70
04/08/2021	19	142	142	72
04/08/2021	20	133	133	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/08/2021	21	127	127	68
04/08/2021	22	127	127	65
04/08/2021	23	139	139	61
04/08/2021	24	131	131	57
04/09/2021	1	130	130	52
04/09/2021	2	127	127	49
04/09/2021	3	126	126	48
04/09/2021	4	125	125	47
04/09/2021	5	126	126	48
04/09/2021	6	128	128	51
04/09/2021	7	128	128	52
04/09/2021	8	132	132	55
04/09/2021	9	138	138	60
04/09/2021	10	134	134	64
04/09/2021	11	137	137	67
04/09/2021	12	137	137	66
04/09/2021	13	132	132	68
04/09/2021	14	135	135	70
04/09/2021	15	136	136	69
04/09/2021	16	135	135	66
04/09/2021	17	133	133	63
04/09/2021	18	131	131	66
04/09/2021	19	139	139	68
04/09/2021	20	136	136	66
04/09/2021	21	134	134	64
04/09/2021	22	130	130	61
04/09/2021	23	138	138	58
04/09/2021	24	131	131	54
04/10/2021	1	145	128	51
04/10/2021	2	145	125	49
04/10/2021	3	145	123	48
04/10/2021	4	145	121	48
04/10/2021	5	145	122	49
04/10/2021	6	146	123	53
04/10/2021	7	146	124	52
04/10/2021	8	148	124	54
04/10/2021	9	148	126	60
04/10/2021	10	149	131	64
04/10/2021	11	149	136	68
04/10/2021	12	149	125	67
04/10/2021	13	149	133	68
04/10/2021	14	149	142	70
04/10/2021	15	149	131	69
04/10/2021	16	149	128	66
04/10/2021	17	149	125	63
04/10/2021	18	149	129	66
04/10/2021	19	149	137	68
04/10/2021	20	149	131	65
04/10/2021	21	149	129	63
04/10/2021	22	148	127	61
04/10/2021	23	148	137	58
04/10/2021	24	146	130	54
04/11/2021	1	145	120	51
04/11/2021	2	145	118	50
04/11/2021	3	145	117	49
04/11/2021	4	145	116	48
04/11/2021	5	145	116	48
04/11/2021	6	146	117	49
04/11/2021	7	146	119	48
04/11/2021	8	148	118	50
04/11/2021	9	148	122	53
04/11/2021	10	148	125	56
04/11/2021	11	149	130	58
04/11/2021	12	149	133	59
04/11/2021	13	149	133	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/11/2021	14	149	136	61
04/11/2021	15	148	136	59
04/11/2021	16	148	136	57
04/11/2021	17	148	133	56
04/11/2021	18	149	133	61
04/11/2021	19	149	126	64
04/11/2021	20	149	124	62
04/11/2021	21	149	123	61
04/11/2021	22	148	120	58
04/11/2021	23	146	131	55
04/11/2021	24	145	126	52
04/12/2021	1	145	125	50
04/12/2021	2	145	124	48
04/12/2021	3	145	122	47
04/12/2021	4	145	121	46
04/12/2021	5	145	121	48
04/12/2021	6	146	123	52
04/12/2021	7	146	124	52
04/12/2021	8	148	128	58
04/12/2021	9	148	135	66
04/12/2021	10	150	149	72
04/12/2021	11	150	150	76
04/12/2021	12	150	150	74
04/12/2021	13	150	150	75
04/12/2021	14	150	150	78
04/12/2021	15	150	150	77
04/12/2021	16	150	150	74
04/12/2021	17	149	147	69
04/12/2021	18	150	150	70
04/12/2021	19	150	150	71
04/12/2021	20	149	134	68
04/12/2021	21	149	134	67
04/12/2021	22	148	127	63
04/12/2021	23	147	138	59
04/12/2021	24	146	130	56
04/13/2021	1	130	130	52
04/13/2021	2	128	128	51
04/13/2021	3	124	124	49
04/13/2021	4	122	122	49
04/13/2021	5	123	123	49
04/13/2021	6	126	126	53
04/13/2021	7	125	125	54
04/13/2021	8	132	132	60
04/13/2021	9	141	140	68
04/13/2021	10	150	150	73
04/13/2021	11	150	150	77
04/13/2021	12	150	150	76
04/13/2021	13	150	150	78
04/13/2021	14	150	150	79
04/13/2021	15	150	150	77
04/13/2021	16	150	150	74
04/13/2021	17	150	150	71
04/13/2021	18	150	150	71
04/13/2021	19	150	150	73
04/13/2021	20	150	150	71
04/13/2021	21	150	150	68
04/13/2021	22	129	129	64
04/13/2021	23	142	142	61
04/13/2021	24	134	134	56
04/14/2021	1	130	130	53
04/14/2021	2	128	128	51
04/14/2021	3	126	126	49
04/14/2021	4	124	124	49
04/14/2021	5	126	126	51
04/14/2021	6	128	128	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/14/2021	7	128	128	54
04/14/2021	8	132	132	60
04/14/2021	9	150	150	69
04/14/2021	10	150	150	74
04/14/2021	11	150	150	77
04/14/2021	12	150	150	76
04/14/2021	13	150	150	77
04/14/2021	14	150	150	79
04/14/2021	15	150	150	77
04/14/2021	16	150	150	75
04/14/2021	17	150	150	69
04/14/2021	18	150	150	70
04/14/2021	19	150	150	70
04/14/2021	20	150	150	68
04/14/2021	21	150	150	66
04/14/2021	22	139	139	62
04/14/2021	23	144	144	59
04/14/2021	24	135	135	54
04/15/2021	1	133	133	53
04/15/2021	2	131	131	51
04/15/2021	3	128	128	50
04/15/2021	4	126	126	49
04/15/2021	5	127	127	50
04/15/2021	6	128	128	53
04/15/2021	7	129	129	53
04/15/2021	8	133	133	58
04/15/2021	9	150	150	68
04/15/2021	10	150	150	73
04/15/2021	11	150	150	77
04/15/2021	12	150	150	75
04/15/2021	13	150	150	76
04/15/2021	14	150	150	79
04/15/2021	15	150	150	78
04/15/2021	16	150	150	74
04/15/2021	17	150	150	69
04/15/2021	18	150	150	70
04/15/2021	19	150	150	71
04/15/2021	20	150	150	69
04/15/2021	21	150	150	67
04/15/2021	22	150	150	65
04/15/2021	23	143	143	61
04/15/2021	24	135	135	57
04/16/2021	1	134	134	51
04/16/2021	2	132	132	50
04/16/2021	3	129	129	49
04/16/2021	4	126	126	48
04/16/2021	5	126	126	49
04/16/2021	6	128	128	53
04/16/2021	7	129	129	54
04/16/2021	8	131	131	59
04/16/2021	9	139	139	67
04/16/2021	10	150	150	72
04/16/2021	11	150	150	77
04/16/2021	12	150	150	75
04/16/2021	13	150	150	76
04/16/2021	14	150	150	78
04/16/2021	15	150	150	77
04/16/2021	16	150	150	74
04/16/2021	17	150	150	69
04/16/2021	18	150	150	70
04/16/2021	19	150	150	70
04/16/2021	20	150	150	68
04/16/2021	21	150	150	66
04/16/2021	22	129	129	61
04/16/2021	23	144	144	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/16/2021	24	136	136	55
04/17/2021	1	132	132	51
04/17/2021	2	130	130	50
04/17/2021	3	129	129	49
04/17/2021	4	126	126	48
04/17/2021	5	126	126	49
04/17/2021	6	129	129	51
04/17/2021	7	128	128	52
04/17/2021	8	132	132	54
04/17/2021	9	140	140	58
04/17/2021	10	136	136	62
04/17/2021	11	143	143	66
04/17/2021	12	144	144	66
04/17/2021	13	139	139	66
04/17/2021	14	144	144	69
04/17/2021	15	149	149	67
04/17/2021	16	142	142	65
04/17/2021	17	137	137	62
04/17/2021	18	146	146	66
04/17/2021	19	150	150	69
04/17/2021	20	142	142	66
04/17/2021	21	133	133	64
04/17/2021	22	130	130	60
04/17/2021	23	143	143	56
04/17/2021	24	136	136	53
04/18/2021	1	128	128	51
04/18/2021	2	125	125	49
04/18/2021	3	123	123	47
04/18/2021	4	121	121	46
04/18/2021	5	122	122	47
04/18/2021	6	123	123	48
04/18/2021	7	124	124	48
04/18/2021	8	124	124	49
04/18/2021	9	126	126	51
04/18/2021	10	131	131	55
04/18/2021	11	126	126	58
04/18/2021	12	127	127	59
04/18/2021	13	125	125	60
04/18/2021	14	130	130	62
04/18/2021	15	129	129	61
04/18/2021	16	128	128	60
04/18/2021	17	125	125	59
04/18/2021	18	150	150	63
04/18/2021	19	150	150	65
04/18/2021	20	150	150	64
04/18/2021	21	138	138	62
04/18/2021	22	127	127	59
04/18/2021	23	137	137	56
04/18/2021	24	130	130	53
04/19/2021	1	120	120	49
04/19/2021	2	118	118	49
04/19/2021	3	117	117	47
04/19/2021	4	116	116	47
04/19/2021	5	116	116	48
04/19/2021	6	119	119	52
04/19/2021	7	119	119	52
04/19/2021	8	119	119	58
04/19/2021	9	150	150	67
04/19/2021	10	150	150	72
04/19/2021	11	150	150	76
04/19/2021	12	150	150	76
04/19/2021	13	150	150	76
04/19/2021	14	150	150	78
04/19/2021	15	150	150	77
04/19/2021	16	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/19/2021	17	150	150	69
04/19/2021	18	150	150	70
04/19/2021	19	150	150	72
04/19/2021	20	150	150	69
04/19/2021	21	150	150	67
04/19/2021	22	150	150	64
04/19/2021	23	131	131	60
04/19/2021	24	127	127	56
04/20/2021	1	130	130	54
04/20/2021	2	128	128	52
04/20/2021	3	126	126	51
04/20/2021	4	124	124	49
04/20/2021	5	125	125	49
04/20/2021	6	127	127	54
04/20/2021	7	127	127	53
04/20/2021	8	131	131	59
04/20/2021	9	145	140	67
04/20/2021	10	145	135	73
04/20/2021	11	150	150	77
04/20/2021	12	150	150	77
04/20/2021	13	150	150	77
04/20/2021	14	150	150	79
04/20/2021	15	150	150	77
04/20/2021	16	146	140	74
04/20/2021	17	146	135	70
04/20/2021	18	150	150	70
04/20/2021	19	146	140	71
04/20/2021	20	145	137	68
04/20/2021	21	145	133	66
04/20/2021	22	131	131	63
04/20/2021	23	143	143	58
04/20/2021	24	136	136	56
04/21/2021	1	130	130	54
04/21/2021	2	128	128	51
04/21/2021	3	125	125	50
04/21/2021	4	123	123	49
04/21/2021	5	126	126	50
04/21/2021	6	128	128	53
04/21/2021	7	127	127	55
04/21/2021	8	132	132	60
04/21/2021	9	145	139	68
04/21/2021	10	150	150	73
04/21/2021	11	150	150	76
04/21/2021	12	150	150	76
04/21/2021	13	150	150	77
04/21/2021	14	150	150	79
04/21/2021	15	150	150	77
04/21/2021	16	150	150	73
04/21/2021	17	146	137	67
04/21/2021	18	150	150	69
04/21/2021	19	150	150	70
04/21/2021	20	145	144	68
04/21/2021	21	145	137	66
04/21/2021	22	130	130	62
04/21/2021	23	144	144	59
04/21/2021	24	135	135	55
04/22/2021	1	133	133	53
04/22/2021	2	131	131	51
04/22/2021	3	127	127	50
04/22/2021	4	124	124	49
04/22/2021	5	125	125	50
04/22/2021	6	127	127	53
04/22/2021	7	128	128	53
04/22/2021	8	131	131	60
04/22/2021	9	145	140	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/22/2021	10	150	150	72
04/22/2021	11	150	150	76
04/22/2021	12	150	150	76
04/22/2021	13	150	150	77
04/22/2021	14	150	150	79
04/22/2021	15	150	150	78
04/22/2021	16	150	150	75
04/22/2021	17	150	150	70
04/22/2021	18	150	150	70
04/22/2021	19	150	150	71
04/22/2021	20	150	150	69
04/22/2021	21	145	142	67
04/22/2021	22	131	130	64
04/22/2021	23	143	143	59
04/22/2021	24	136	136	56
04/23/2021	1	133	133	54
04/23/2021	2	132	132	52
04/23/2021	3	129	129	51
04/23/2021	4	125	125	49
04/23/2021	5	126	126	50
04/23/2021	6	129	129	53
04/23/2021	7	128	128	54
04/23/2021	8	131	131	60
04/23/2021	9	144	138	69
04/23/2021	10	150	150	74
04/23/2021	11	150	150	77
04/23/2021	12	150	150	76
04/23/2021	13	150	150	77
04/23/2021	14	150	150	79
04/23/2021	15	150	150	78
04/23/2021	16	150	150	75
04/23/2021	17	145	138	70
04/23/2021	18	150	150	71
04/23/2021	19	145	144	71
04/23/2021	20	145	145	69
04/23/2021	21	145	134	67
04/23/2021	22	131	131	63
04/23/2021	23	144	144	60
04/23/2021	24	136	136	56
04/24/2021	1	134	134	53
04/24/2021	2	133	133	52
04/24/2021	3	130	130	51
04/24/2021	4	129	129	50
04/24/2021	5	129	129	50
04/24/2021	6	131	131	53
04/24/2021	7	131	131	52
04/24/2021	8	135	135	55
04/24/2021	9	144	140	60
04/24/2021	10	145	134	64
04/24/2021	11	145	142	66
04/24/2021	12	146	144	65
04/24/2021	13	145	140	66
04/24/2021	14	146	144	68
04/24/2021	15	146	145	67
04/24/2021	16	146	144	65
04/24/2021	17	146	141	63
04/24/2021	18	146	136	67
04/24/2021	19	147	141	69
04/24/2021	20	146	137	66
04/24/2021	21	146	133	64
04/24/2021	22	132	132	60
04/24/2021	23	145	145	58
04/24/2021	24	140	140	55
04/25/2021	1	134	134	52
04/25/2021	2	133	133	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/25/2021	3	130	130	49
04/25/2021	4	129	129	48
04/25/2021	5	129	129	48
04/25/2021	6	131	131	48
04/25/2021	7	131	131	50
04/25/2021	8	135	135	50
04/25/2021	9	143	140	52
04/25/2021	10	144	134	56
04/25/2021	11	144	142	59
04/25/2021	12	144	144	59
04/25/2021	13	144	140	60
04/25/2021	14	145	144	62
04/25/2021	15	145	145	61
04/25/2021	16	145	144	60
04/25/2021	17	145	141	59
04/25/2021	18	145	136	63
04/25/2021	19	146	141	65
04/25/2021	20	141	137	64
04/25/2021	21	139	133	62
04/25/2021	22	132	132	59
04/25/2021	23	145	145	56
04/25/2021	24	140	140	54
04/26/2021	1	134	134	50
04/26/2021	2	133	133	49
04/26/2021	3	130	130	48
04/26/2021	4	129	129	47
04/26/2021	5	129	129	48
04/26/2021	6	131	131	52
04/26/2021	7	131	131	52
04/26/2021	8	135	135	58
04/26/2021	9	144	140	66
04/26/2021	10	150	150	72
04/26/2021	11	150	150	76
04/26/2021	12	150	150	76
04/26/2021	13	150	150	76
04/26/2021	14	150	150	78
04/26/2021	15	150	150	76
04/26/2021	16	150	150	74
04/26/2021	17	146	141	69
04/26/2021	18	146	137	70
04/26/2021	19	147	141	72
04/26/2021	20	146	137	69
04/26/2021	21	146	133	66
04/26/2021	22	132	132	63
04/26/2021	23	145	145	59
04/26/2021	24	140	140	55
04/27/2021	1	130	130	54
04/27/2021	2	128	128	52
04/27/2021	3	125	124	51
04/27/2021	4	125	123	49
04/27/2021	5	125	124	50
04/27/2021	6	127	127	53
04/27/2021	7	126	126	54
04/27/2021	8	131	131	59
04/27/2021	9	146	136	68
04/27/2021	10	150	150	74
04/27/2021	11	150	150	77
04/27/2021	12	150	150	76
04/27/2021	13	150	150	77
04/27/2021	14	150	150	79
04/27/2021	15	150	150	77
04/27/2021	16	150	150	75
04/27/2021	17	148	132	71
04/27/2021	18	148	141	70
04/27/2021	19	148	142	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/27/2021	20	143	132	70
04/27/2021	21	143	132	68
04/27/2021	22	134	128	64
04/27/2021	23	142	142	61
04/27/2021	24	139	139	58
04/28/2021	1	133	133	55
04/28/2021	2	131	131	53
04/28/2021	3	129	129	52
04/28/2021	4	127	127	50
04/28/2021	5	127	127	52
04/28/2021	6	127	127	53
04/28/2021	7	129	129	54
04/28/2021	8	133	133	59
04/28/2021	9	144	139	68
04/28/2021	10	148	136	73
04/28/2021	11	148	148	76
04/28/2021	12	140	139	76
04/28/2021	13	150	150	77
04/28/2021	14	150	150	79
04/28/2021	15	148	142	77
04/28/2021	16	140	136	74
04/28/2021	17	139	132	70
04/28/2021	18	141	136	70
04/28/2021	19	145	134	71
04/28/2021	20	137	132	69
04/28/2021	21	135	131	67
04/28/2021	22	127	127	63
04/28/2021	23	140	140	60
04/28/2021	24	134	134	56
04/29/2021	1	133	133	52
04/29/2021	2	131	131	50
04/29/2021	3	127	127	49
04/29/2021	4	124	124	48
04/29/2021	5	125	125	49
04/29/2021	6	127	127	53
04/29/2021	7	128	128	52
04/29/2021	8	131	131	58
04/29/2021	9	148	139	66
04/29/2021	10	148	136	70
04/29/2021	11	148	142	74
04/29/2021	12	148	144	73
04/29/2021	13	148	140	74
04/29/2021	14	150	150	77
04/29/2021	15	149	144	75
04/29/2021	16	149	140	73
04/29/2021	17	145	136	69
04/29/2021	18	146	139	69
04/29/2021	19	146	139	70
04/29/2021	20	140	137	67
04/29/2021	21	139	133	65
04/29/2021	22	130	130	62
04/29/2021	23	143	143	59
04/29/2021	24	136	136	55
04/30/2021	1	133	133	54
04/30/2021	2	131	131	53
04/30/2021	3	127	127	52
04/30/2021	4	126	126	51
04/30/2021	5	126	126	52
04/30/2021	6	129	129	53
04/30/2021	7	130	130	54
04/30/2021	8	134	134	60
04/30/2021	9	147	140	68
04/30/2021	10	148	139	74
04/30/2021	11	150	150	77
04/30/2021	12	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/30/2021	13	150	150	77
04/30/2021	14	150	150	79
04/30/2021	15	150	150	78
04/30/2021	16	149	140	74
04/30/2021	17	142	135	70
04/30/2021	18	150	150	71
04/30/2021	19	146	136	71
04/30/2021	20	137	135	69
04/30/2021	21	137	133	68
04/30/2021	22	131	131	64
04/30/2021	23	145	145	60
04/30/2021	24	138	138	57
05/01/2021	1	127	127	54
05/01/2021	2	124	124	53
05/01/2021	3	122	122	52
05/01/2021	4	120	120	50
05/01/2021	5	122	122	51
05/01/2021	6	125	125	52
05/01/2021	7	126	126	53
05/01/2021	8	127	127	55
05/01/2021	9	146	136	60
05/01/2021	10	147	141	64
05/01/2021	11	148	135	66
05/01/2021	12	148	135	65
05/01/2021	13	148	134	67
05/01/2021	14	149	135	69
05/01/2021	15	147	136	67
05/01/2021	16	147	135	65
05/01/2021	17	144	133	64
05/01/2021	18	146	145	68
05/01/2021	19	146	145	69
05/01/2021	20	141	137	66
05/01/2021	21	140	137	64
05/01/2021	22	134	134	61
05/01/2021	23	141	141	57
05/01/2021	24	132	132	54
05/02/2021	1	134	134	52
05/02/2021	2	132	132	51
05/02/2021	3	130	130	50
05/02/2021	4	128	128	48
05/02/2021	5	129	129	49
05/02/2021	6	131	131	50
05/02/2021	7	131	131	49
05/02/2021	8	134	134	50
05/02/2021	9	144	139	53
05/02/2021	10	147	133	57
05/02/2021	11	147	141	60
05/02/2021	12	148	144	61
05/02/2021	13	147	139	61
05/02/2021	14	148	144	62
05/02/2021	15	146	145	62
05/02/2021	16	144	143	61
05/02/2021	17	145	141	59
05/02/2021	18	146	137	63
05/02/2021	19	146	140	65
05/02/2021	20	142	136	64
05/02/2021	21	141	133	62
05/02/2021	22	132	132	59
05/02/2021	23	144	144	57
05/02/2021	24	139	139	54
05/03/2021	1	134	134	53
05/03/2021	2	132	132	51
05/03/2021	3	130	130	50
05/03/2021	4	128	128	48
05/03/2021	5	129	129	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/03/2021	6	131	131	52
05/03/2021	7	131	131	52
05/03/2021	8	134	134	59
05/03/2021	9	144	139	67
05/03/2021	10	150	150	73
05/03/2021	11	150	150	76
05/03/2021	12	150	150	76
05/03/2021	13	150	150	76
05/03/2021	14	150	150	78
05/03/2021	15	150	150	77
05/03/2021	16	150	150	75
05/03/2021	17	143	141	70
05/03/2021	18	150	150	71
05/03/2021	19	149	142	72
05/03/2021	20	147	136	70
05/03/2021	21	147	133	68
05/03/2021	22	132	132	64
05/03/2021	23	144	144	60
05/03/2021	24	139	139	57
05/04/2021	1	132	132	55
05/04/2021	2	130	130	53
05/04/2021	3	127	127	52
05/04/2021	4	125	125	51
05/04/2021	5	124	124	52
05/04/2021	6	126	126	54
05/04/2021	7	127	127	53
05/04/2021	8	132	132	60
05/04/2021	9	148	144	68
05/04/2021	10	150	150	74
05/04/2021	11	150	150	76
05/04/2021	12	150	150	77
05/04/2021	13	150	150	77
05/04/2021	14	150	150	79
05/04/2021	15	150	150	78
05/04/2021	16	150	150	75
05/04/2021	17	150	150	71
05/04/2021	18	150	150	70
05/04/2021	19	150	150	71
05/04/2021	20	150	150	70
05/04/2021	21	149	149	68
05/04/2021	22	136	136	65
05/04/2021	23	141	141	61
05/04/2021	24	135	135	58
05/05/2021	1	144	130	56
05/05/2021	2	143	129	54
05/05/2021	3	143	127	53
05/05/2021	4	143	125	52
05/05/2021	5	145	125	52
05/05/2021	6	146	127	54
05/05/2021	7	146	128	54
05/05/2021	8	146	132	59
05/05/2021	9	150	150	70
05/05/2021	10	150	150	74
05/05/2021	11	150	150	77
05/05/2021	12	150	150	76
05/05/2021	13	150	150	77
05/05/2021	14	150	150	79
05/05/2021	15	150	150	78
05/05/2021	16	150	150	76
05/05/2021	17	150	150	71
05/05/2021	18	150	150	71
05/05/2021	19	150	150	72
05/05/2021	20	150	150	71
05/05/2021	21	150	150	69
05/05/2021	22	148	138	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/05/2021	23	147	140	62
05/05/2021	24	146	134	59
05/06/2021	1	131	131	56
05/06/2021	2	129	129	55
05/06/2021	3	128	128	53
05/06/2021	4	127	127	52
05/06/2021	5	126	126	55
05/06/2021	6	127	127	55
05/06/2021	7	128	128	54
05/06/2021	8	131	131	60
05/06/2021	9	140	140	69
05/06/2021	10	147	147	74
05/06/2021	11	150	150	77
05/06/2021	12	150	150	77
05/06/2021	13	150	150	78
05/06/2021	14	150	150	80
05/06/2021	15	150	150	79
05/06/2021	16	150	150	77
05/06/2021	17	136	136	71
05/06/2021	18	150	150	72
05/06/2021	19	143	143	73
05/06/2021	20	142	141	72
05/06/2021	21	133	133	69
05/06/2021	22	130	130	65
05/06/2021	23	142	142	61
05/06/2021	24	135	135	59
05/07/2021	1	145	135	57
05/07/2021	2	145	133	56
05/07/2021	3	145	131	55
05/07/2021	4	145	130	53
05/07/2021	5	145	128	55
05/07/2021	6	146	130	55
05/07/2021	7	146	130	54
05/07/2021	8	146	134	61
05/07/2021	9	148	144	69
05/07/2021	10	150	150	74
05/07/2021	11	150	150	77
05/07/2021	12	150	150	76
05/07/2021	13	150	150	77
05/07/2021	14	150	150	80
05/07/2021	15	150	150	79
05/07/2021	16	150	150	77
05/07/2021	17	150	150	73
05/07/2021	18	150	150	74
05/07/2021	19	150	150	75
05/07/2021	20	150	150	74
05/07/2021	21	150	150	72
05/07/2021	22	150	150	69
05/07/2021	23	147	144	64
05/07/2021	24	146	138	60
05/08/2021	1	136	136	56
05/08/2021	2	134	134	54
05/08/2021	3	130	130	53
05/08/2021	4	127	127	52
05/08/2021	5	126	126	53
05/08/2021	6	129	129	53
05/08/2021	7	131	131	52
05/08/2021	8	135	135	54
05/08/2021	9	128	128	59
05/08/2021	10	130	130	64
05/08/2021	11	138	138	67
05/08/2021	12	133	133	66
05/08/2021	13	135	135	67
05/08/2021	14	139	139	69
05/08/2021	15	143	143	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/08/2021	16	143	143	66
05/08/2021	17	136	136	65
05/08/2021	18	134	134	67
05/08/2021	19	139	139	70
05/08/2021	20	137	137	68
05/08/2021	21	133	133	66
05/08/2021	22	133	133	64
05/08/2021	23	130	130	60
05/08/2021	24	137	137	57
05/09/2021	1	134	134	53
05/09/2021	2	132	132	52
05/09/2021	3	130	130	51
05/09/2021	4	128	128	50
05/09/2021	5	129	129	51
05/09/2021	6	131	131	51
05/09/2021	7	131	131	49
05/09/2021	8	134	134	50
05/09/2021	9	139	139	54
05/09/2021	10	133	133	56
05/09/2021	11	141	141	59
05/09/2021	12	144	144	59
05/09/2021	13	139	139	60
05/09/2021	14	144	144	62
05/09/2021	15	145	145	61
05/09/2021	16	143	143	59
05/09/2021	17	141	141	58
05/09/2021	18	135	135	63
05/09/2021	19	140	140	65
05/09/2021	20	136	136	64
05/09/2021	21	133	133	62
05/09/2021	22	132	132	60
05/09/2021	23	144	144	57
05/09/2021	24	139	139	55
05/10/2021	1	134	134	53
05/10/2021	2	132	132	52
05/10/2021	3	130	130	51
05/10/2021	4	128	128	50
05/10/2021	5	129	129	51
05/10/2021	6	131	131	53
05/10/2021	7	131	131	53
05/10/2021	8	134	134	58
05/10/2021	9	139	139	67
05/10/2021	10	142	142	72
05/10/2021	11	150	150	76
05/10/2021	12	150	150	75
05/10/2021	13	150	150	76
05/10/2021	14	150	150	78
05/10/2021	15	150	150	77
05/10/2021	16	150	150	76
05/10/2021	17	141	141	70
05/10/2021	18	145	145	71
05/10/2021	19	140	140	72
05/10/2021	20	136	136	70
05/10/2021	21	133	133	69
05/10/2021	22	132	132	65
05/10/2021	23	144	144	61
05/10/2021	24	139	139	58
05/11/2021	1	145	130	55
05/11/2021	2	145	128	54
05/11/2021	3	145	127	52
05/11/2021	4	145	126	52
05/11/2021	5	145	126	52
05/11/2021	6	146	127	54
05/11/2021	7	128	128	53
05/11/2021	8	133	133	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/11/2021	9	137	137	68
05/11/2021	10	132	132	72
05/11/2021	11	138	138	76
05/11/2021	12	134	134	74
05/11/2021	13	136	136	76
05/11/2021	14	141	141	78
05/11/2021	15	145	145	77
05/11/2021	16	138	138	75
05/11/2021	17	134	134	71
05/11/2021	18	131	131	72
05/11/2021	19	136	136	74
05/11/2021	20	133	133	71
05/11/2021	21	131	131	69
05/11/2021	22	129	129	64
05/11/2021	23	141	141	60
05/11/2021	24	137	137	57
05/12/2021	1	138	130	55
05/12/2021	2	146	127	54
05/12/2021	3	146	125	52
05/12/2021	4	146	123	51
05/12/2021	5	146	122	52
05/12/2021	6	147	124	53
05/12/2021	7	147	127	54
05/12/2021	8	147	127	60
05/12/2021	9	148	142	69
05/12/2021	10	150	150	73
05/12/2021	11	150	150	77
05/12/2021	12	150	150	76
05/12/2021	13	150	150	77
05/12/2021	14	150	150	78
05/12/2021	15	150	150	77
05/12/2021	16	150	150	76
05/12/2021	17	149	147	72
05/12/2021	18	150	150	72
05/12/2021	19	150	150	73
05/12/2021	20	150	150	71
05/12/2021	21	148	134	68
05/12/2021	22	148	127	65
05/12/2021	23	147	146	61
05/12/2021	24	146	140	58
05/13/2021	1	146	132	54
05/13/2021	2	146	130	53
05/13/2021	3	146	128	51
05/13/2021	4	146	126	50
05/13/2021	5	146	126	52
05/13/2021	6	147	127	53
05/13/2021	7	147	129	52
05/13/2021	8	147	133	56
05/13/2021	9	149	144	60
05/13/2021	10	149	139	65
05/13/2021	11	149	141	67
05/13/2021	12	149	138	67
05/13/2021	13	149	135	67
05/13/2021	14	149	138	69
05/13/2021	15	149	146	68
05/13/2021	16	149	141	66
05/13/2021	17	149	136	65
05/13/2021	18	150	150	68
05/13/2021	19	150	150	70
05/13/2021	20	150	150	68
05/13/2021	21	149	144	66
05/13/2021	22	149	137	65
05/13/2021	23	148	139	60
05/13/2021	24	147	135	57
05/14/2021	1	143	132	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/14/2021	2	143	129	52
05/14/2021	3	143	127	51
05/14/2021	4	143	126	50
05/14/2021	5	144	125	52
05/14/2021	6	146	126	54
05/14/2021	7	146	128	53
05/14/2021	8	146	128	60
05/14/2021	9	150	150	68
05/14/2021	10	150	150	73
05/14/2021	11	150	150	76
05/14/2021	12	150	150	74
05/14/2021	13	150	150	75
05/14/2021	14	150	150	78
05/14/2021	15	150	150	77
05/14/2021	16	150	150	75
05/14/2021	17	150	150	70
05/14/2021	18	150	150	71
05/14/2021	19	150	150	72
05/14/2021	20	150	150	70
05/14/2021	21	150	150	68
05/14/2021	22	150	150	65
05/14/2021	23	147	142	60
05/14/2021	24	146	136	56
05/15/2021	1	145	132	54
05/15/2021	2	145	130	52
05/15/2021	3	145	129	52
05/15/2021	4	145	126	50
05/15/2021	5	146	126	52
05/15/2021	6	148	128	52
05/15/2021	7	148	130	52
05/15/2021	8	148	132	55
05/15/2021	9	148	137	61
05/15/2021	10	148	130	66
05/15/2021	11	148	135	69
05/15/2021	12	148	131	67
05/15/2021	13	148	135	69
05/15/2021	14	148	140	69
05/15/2021	15	148	144	69
05/15/2021	16	148	137	67
05/15/2021	17	148	132	65
05/15/2021	18	150	150	68
05/15/2021	19	150	150	70
05/15/2021	20	150	150	68
05/15/2021	21	149	142	66
05/15/2021	22	148	128	63
05/15/2021	23	148	138	60
05/15/2021	24	147	135	58
05/16/2021	1	143	132	54
05/16/2021	2	143	130	52
05/16/2021	3	143	129	51
05/16/2021	4	143	126	50
05/16/2021	5	144	126	51
05/16/2021	6	146	128	51
05/16/2021	7	146	130	49
05/16/2021	8	136	132	50
05/16/2021	9	147	137	54
05/16/2021	10	147	130	57
05/16/2021	11	147	135	60
05/16/2021	12	147	131	60
05/16/2021	13	147	135	61
05/16/2021	14	148	140	63
05/16/2021	15	148	144	62
05/16/2021	16	148	137	61
05/16/2021	17	148	132	60
05/16/2021	18	149	129	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/16/2021	19	149	133	66
05/16/2021	20	149	132	65
05/16/2021	21	149	129	63
05/16/2021	22	147	127	61
05/16/2021	23	146	138	58
05/16/2021	24	145	135	55
05/17/2021	1	145	132	53
05/17/2021	2	145	130	52
05/17/2021	3	145	129	51
05/17/2021	4	145	126	50
05/17/2021	5	145	126	51
05/17/2021	6	146	128	53
05/17/2021	7	146	130	53
05/17/2021	8	147	132	58
05/17/2021	9	147	137	68
05/17/2021	10	150	150	73
05/17/2021	11	150	150	76
05/17/2021	12	150	150	75
05/17/2021	13	150	150	76
05/17/2021	14	150	150	78
05/17/2021	15	150	150	77
05/17/2021	16	150	150	76
05/17/2021	17	150	150	70
05/17/2021	18	150	150	71
05/17/2021	19	150	150	72
05/17/2021	20	150	150	70
05/17/2021	21	149	137	69
05/17/2021	22	147	127	65
05/17/2021	23	146	138	61
05/17/2021	24	145	135	58
05/18/2021	1	128	128	55
05/18/2021	2	125	125	53
05/18/2021	3	123	123	51
05/18/2021	4	121	121	50
05/18/2021	5	122	120	53
05/18/2021	6	123	123	53
05/18/2021	7	125	125	53
05/18/2021	8	126	126	61
05/18/2021	9	146	138	68
05/18/2021	10	147	146	73
05/18/2021	11	150	150	76
05/18/2021	12	146	135	75
05/18/2021	13	150	150	76
05/18/2021	14	150	150	78
05/18/2021	15	150	150	77
05/18/2021	16	150	150	76
05/18/2021	17	146	138	72
05/18/2021	18	150	150	73
05/18/2021	19	150	150	74
05/18/2021	20	146	144	71
05/18/2021	21	146	131	68
05/18/2021	22	132	129	65
05/18/2021	23	140	140	61
05/18/2021	24	133	133	58
05/19/2021	1	131	131	54
05/19/2021	2	129	129	53
05/19/2021	3	127	127	52
05/19/2021	4	125	125	51
05/19/2021	5	125	125	52
05/19/2021	6	126	126	54
05/19/2021	7	128	128	53
05/19/2021	8	133	133	61
05/19/2021	9	147	138	70
05/19/2021	10	147	138	75
05/19/2021	11	147	140	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/19/2021	12	147	143	77
05/19/2021	13	147	139	77
05/19/2021	14	147	143	79
05/19/2021	15	147	141	78
05/19/2021	16	147	141	76
05/19/2021	17	147	137	72
05/19/2021	18	147	136	72
05/19/2021	19	147	142	73
05/19/2021	20	147	139	71
05/19/2021	21	147	136	70
05/19/2021	22	133	129	66
05/19/2021	23	138	138	61
05/19/2021	24	135	135	58
05/20/2021	1	131	131	53
05/20/2021	2	129	129	52
05/20/2021	3	127	127	50
05/20/2021	4	126	126	49
05/20/2021	5	126	126	50
05/20/2021	6	126	126	54
05/20/2021	7	128	128	53
05/20/2021	8	133	133	58
05/20/2021	9	147	140	64
05/20/2021	10	147	135	68
05/20/2021	11	147	138	72
05/20/2021	12	147	134	71
05/20/2021	13	147	132	74
05/20/2021	14	147	135	76
05/20/2021	15	147	138	75
05/20/2021	16	147	134	72
05/20/2021	17	147	133	70
05/20/2021	18	147	142	72
05/20/2021	19	147	142	73
05/20/2021	20	147	135	70
05/20/2021	21	147	130	67
05/20/2021	22	133	128	63
05/20/2021	23	136	136	59
05/20/2021	24	134	134	55
05/21/2021	1	135	135	53
05/21/2021	2	133	133	51
05/21/2021	3	131	131	50
05/21/2021	4	127	127	49
05/21/2021	5	128	128	50
05/21/2021	6	131	131	53
05/21/2021	7	129	129	52
05/21/2021	8	131	131	58
05/21/2021	9	147	138	66
05/21/2021	10	147	134	71
05/21/2021	11	147	137	74
05/21/2021	12	147	133	73
05/21/2021	13	147	142	75
05/21/2021	14	150	150	77
05/21/2021	15	150	150	76
05/21/2021	16	147	144	73
05/21/2021	17	147	133	69
05/21/2021	18	150	150	70
05/21/2021	19	150	150	72
05/21/2021	20	150	150	70
05/21/2021	21	150	150	70
05/21/2021	22	134	134	66
05/21/2021	23	141	141	62
05/21/2021	24	137	137	57
05/22/2021	1	132	132	52
05/22/2021	2	130	130	51
05/22/2021	3	127	127	50
05/22/2021	4	127	127	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/22/2021	5	127	127	51
05/22/2021	6	129	129	51
05/22/2021	7	131	131	51
05/22/2021	8	135	135	54
05/22/2021	9	146	138	58
05/22/2021	10	146	134	64
05/22/2021	11	146	140	66
05/22/2021	12	146	138	65
05/22/2021	13	146	138	66
05/22/2021	14	146	140	68
05/22/2021	15	146	145	67
05/22/2021	16	146	139	65
05/22/2021	17	146	135	64
05/22/2021	18	147	135	66
05/22/2021	19	147	137	69
05/22/2021	20	147	134	66
05/22/2021	21	147	132	64
05/22/2021	22	133	129	62
05/22/2021	23	142	142	59
05/22/2021	24	136	136	56
05/23/2021	1	132	132	52
05/23/2021	2	130	130	50
05/23/2021	3	128	128	49
05/23/2021	4	127	127	49
05/23/2021	5	127	127	50
05/23/2021	6	129	129	50
05/23/2021	7	131	131	48
05/23/2021	8	135	135	50
05/23/2021	9	145	141	53
05/23/2021	10	145	137	57
05/23/2021	11	145	139	60
05/23/2021	12	145	137	59
05/23/2021	13	145	136	61
05/23/2021	14	145	139	62
05/23/2021	15	145	140	61
05/23/2021	16	145	139	60
05/23/2021	17	145	136	59
05/23/2021	18	146	133	63
05/23/2021	19	146	135	66
05/23/2021	20	146	134	65
05/23/2021	21	146	132	63
05/23/2021	22	131	129	61
05/23/2021	23	143	143	58
05/23/2021	24	137	137	56
05/24/2021	1	132	132	53
05/24/2021	2	130	130	51
05/24/2021	3	128	128	50
05/24/2021	4	127	127	49
05/24/2021	5	127	127	51
05/24/2021	6	129	129	53
05/24/2021	7	131	131	53
05/24/2021	8	135	135	59
05/24/2021	9	145	138	68
05/24/2021	10	150	150	72
05/24/2021	11	150	150	76
05/24/2021	12	150	150	75
05/24/2021	13	150	150	76
05/24/2021	14	150	150	78
05/24/2021	15	150	150	77
05/24/2021	16	150	150	75
05/24/2021	17	150	150	70
05/24/2021	18	150	150	70
05/24/2021	19	150	150	72
05/24/2021	20	150	150	70
05/24/2021	21	146	135	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/24/2021	22	135	135	64
05/24/2021	23	143	143	59
05/24/2021	24	137	137	56
05/25/2021	1	135	135	55
05/25/2021	2	134	134	54
05/25/2021	3	132	132	52
05/25/2021	4	132	132	51
05/25/2021	5	132	132	53
05/25/2021	6	133	133	54
05/25/2021	7	134	134	53
05/25/2021	8	138	138	60
05/25/2021	9	150	150	69
05/25/2021	10	150	150	73
05/25/2021	11	150	150	77
05/25/2021	12	150	150	76
05/25/2021	13	150	150	77
05/25/2021	14	150	150	79
05/25/2021	15	150	150	77
05/25/2021	16	150	150	76
05/25/2021	17	150	150	71
05/25/2021	18	150	150	72
05/25/2021	19	150	150	73
05/25/2021	20	150	150	70
05/25/2021	21	145	144	67
05/25/2021	22	136	136	64
05/25/2021	23	143	143	61
05/25/2021	24	139	139	57
05/26/2021	1	135	135	56
05/26/2021	2	134	134	54
05/26/2021	3	131	131	53
05/26/2021	4	129	129	52
05/26/2021	5	129	129	53
05/26/2021	6	131	131	54
05/26/2021	7	131	131	53
05/26/2021	8	136	136	61
05/26/2021	9	150	150	69
05/26/2021	10	150	150	73
05/26/2021	11	150	150	76
05/26/2021	12	150	150	76
05/26/2021	13	150	150	77
05/26/2021	14	150	150	79
05/26/2021	15	150	150	77
05/26/2021	16	150	150	75
05/26/2021	17	146	145	70
05/26/2021	18	150	150	71
05/26/2021	19	150	150	73
05/26/2021	20	150	150	72
05/26/2021	21	150	150	69
05/26/2021	22	150	145	66
05/26/2021	23	142	142	63
05/26/2021	24	139	139	60
05/27/2021	1	150	150	56
05/27/2021	2	150	150	54
05/27/2021	3	150	150	53
05/27/2021	4	150	150	52
05/27/2021	5	150	150	54
05/27/2021	6	150	150	55
05/27/2021	7	150	150	55
05/27/2021	8	150	150	61
05/27/2021	9	150	150	69
05/27/2021	10	150	150	74
05/27/2021	11	150	150	78
05/27/2021	12	150	150	76
05/27/2021	13	150	150	77
05/27/2021	14	150	150	79

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/27/2021	15	150	150	77
05/27/2021	16	150	150	76
05/27/2021	17	150	150	71
05/27/2021	18	150	150	72
05/27/2021	19	150	150	73
05/27/2021	20	150	150	71
05/27/2021	21	150	150	69
05/27/2021	22	150	150	64
05/27/2021	23	150	150	61
05/27/2021	24	150	150	58
05/28/2021	1	150	150	54
05/28/2021	2	150	150	52
05/28/2021	3	150	150	50
05/28/2021	4	150	150	50
05/28/2021	5	150	150	51
05/28/2021	6	150	150	54
05/28/2021	7	150	150	53
05/28/2021	8	150	150	58
05/28/2021	9	150	150	67
05/28/2021	10	150	150	71
05/28/2021	11	150	150	74
05/28/2021	12	150	150	74
05/28/2021	13	150	150	75
05/28/2021	14	150	150	77
05/28/2021	15	150	150	76
05/28/2021	16	150	150	73
05/28/2021	17	150	150	69
05/28/2021	18	150	150	70
05/28/2021	19	150	150	72
05/28/2021	20	150	150	70
05/28/2021	21	150	150	66
05/28/2021	22	150	150	62
05/28/2021	23	150	150	59
05/28/2021	24	150	150	56
05/29/2021	1	150	150	55
05/29/2021	2	150	150	53
05/29/2021	3	150	150	52
05/29/2021	4	150	150	52
05/29/2021	5	150	150	52
05/29/2021	6	150	150	54
05/29/2021	7	150	150	53
05/29/2021	8	150	150	57
05/29/2021	9	150	150	61
05/29/2021	10	150	150	65
05/29/2021	11	150	150	68
05/29/2021	12	150	150	67
05/29/2021	13	150	150	69
05/29/2021	14	150	150	72
05/29/2021	15	150	150	69
05/29/2021	16	150	150	68
05/29/2021	17	150	150	66
05/29/2021	18	150	150	69
05/29/2021	19	150	150	72
05/29/2021	20	150	150	69
05/29/2021	21	150	150	67
05/29/2021	22	150	150	63
05/29/2021	23	150	150	60
05/29/2021	24	150	150	58
05/30/2021	1	132	132	54
05/30/2021	2	130	130	53
05/30/2021	3	129	129	51
05/30/2021	4	126	126	50
05/30/2021	5	126	126	51
05/30/2021	6	128	128	51
05/30/2021	7	130	130	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/30/2021	8	132	132	51
05/30/2021	9	145	137	53
05/30/2021	10	146	130	57
05/30/2021	11	145	135	59
05/30/2021	12	146	131	61
05/30/2021	13	146	135	62
05/30/2021	14	146	140	63
05/30/2021	15	146	144	62
05/30/2021	16	145	137	61
05/30/2021	17	145	132	61
05/30/2021	18	147	129	64
05/30/2021	19	147	133	66
05/30/2021	20	147	132	65
05/30/2021	21	146	129	63
05/30/2021	22	134	127	61
05/30/2021	23	138	138	58
05/30/2021	24	135	135	56
05/31/2021	1	150	150	53
05/31/2021	2	150	150	51
05/31/2021	3	150	150	50
05/31/2021	4	150	150	49
05/31/2021	5	150	150	51
05/31/2021	6	150	150	53
05/31/2021	7	150	150	53
05/31/2021	8	150	150	59
05/31/2021	9	150	150	68
05/31/2021	10	150	150	73
05/31/2021	11	150	150	76
05/31/2021	12	150	150	75
05/31/2021	13	150	150	76
05/31/2021	14	150	150	78
05/31/2021	15	150	150	77
05/31/2021	16	150	150	75
05/31/2021	17	150	150	70
05/31/2021	18	150	150	71
05/31/2021	19	150	150	73
05/31/2021	20	150	150	71
05/31/2021	21	150	150	69
05/31/2021	22	150	150	65
05/31/2021	23	150	150	62
05/31/2021	24	150	150	58
06/01/2021	1	150	150	55
06/01/2021	2	150	150	54
06/01/2021	3	150	150	53
06/01/2021	4	150	150	52
06/01/2021	5	150	150	53
06/01/2021	6	150	150	54
06/01/2021	7	150	150	53
06/01/2021	8	150	150	60
06/01/2021	9	150	150	69
06/01/2021	10	150	150	73
06/01/2021	11	150	150	76
06/01/2021	12	150	150	76
06/01/2021	13	150	150	77
06/01/2021	14	150	150	78
06/01/2021	15	150	150	77
06/01/2021	16	150	150	75
06/01/2021	17	150	150	72
06/01/2021	18	150	150	71
06/01/2021	19	150	150	72
06/01/2021	20	150	150	70
06/01/2021	21	150	150	69
06/01/2021	22	150	150	66
06/01/2021	23	150	150	62
06/01/2021	24	150	150	58

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/02/2021	1	150	150	53
06/02/2021	2	150	150	51
06/02/2021	3	150	150	50
06/02/2021	4	150	150	49
06/02/2021	5	150	150	51
06/02/2021	6	150	150	53
06/02/2021	7	150	150	52
06/02/2021	8	150	150	59
06/02/2021	9	150	150	66
06/02/2021	10	150	150	70
06/02/2021	11	150	150	74
06/02/2021	12	150	150	74
06/02/2021	13	150	150	74
06/02/2021	14	150	150	77
06/02/2021	15	150	150	75
06/02/2021	16	150	150	72
06/02/2021	17	150	150	69
06/02/2021	18	150	150	69
06/02/2021	19	150	150	70
06/02/2021	20	150	150	68
06/02/2021	21	150	150	66
06/02/2021	22	150	150	62
06/02/2021	23	150	150	58
06/02/2021	24	150	150	55
06/03/2021	1	150	150	53
06/03/2021	2	150	150	50
06/03/2021	3	150	150	49
06/03/2021	4	150	150	48
06/03/2021	5	150	150	51
06/03/2021	6	150	150	52
06/03/2021	7	150	150	51
06/03/2021	8	150	150	60
06/03/2021	9	150	150	69
06/03/2021	10	150	150	73
06/03/2021	11	150	150	76
06/03/2021	12	150	150	76
06/03/2021	13	150	150	76
06/03/2021	14	150	150	78
06/03/2021	15	150	150	76
06/03/2021	16	150	150	73
06/03/2021	17	150	150	70
06/03/2021	18	150	150	71
06/03/2021	19	150	150	72
06/03/2021	20	150	150	70
06/03/2021	21	150	150	67
06/03/2021	22	150	150	64
06/03/2021	23	150	150	59
06/03/2021	24	150	150	55
06/04/2021	1	150	150	56
06/04/2021	2	150	150	54
06/04/2021	3	150	150	52
06/04/2021	4	150	150	51
06/04/2021	5	150	150	53
06/04/2021	6	150	150	55
06/04/2021	7	150	150	54
06/04/2021	8	150	150	61
06/04/2021	9	150	150	69
06/04/2021	10	150	150	73
06/04/2021	11	150	150	77
06/04/2021	12	150	150	76
06/04/2021	13	150	150	77
06/04/2021	14	150	150	79
06/04/2021	15	150	150	78
06/04/2021	16	150	150	76
06/04/2021	17	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/04/2021	18	150	150	72
06/04/2021	19	150	150	74
06/04/2021	20	150	150	72
06/04/2021	21	150	150	68
06/04/2021	22	150	150	66
06/04/2021	23	150	150	62
06/04/2021	24	150	150	58
06/05/2021	1	150	150	54
06/05/2021	2	150	150	53
06/05/2021	3	150	150	51
06/05/2021	4	150	150	50
06/05/2021	5	150	150	52
06/05/2021	6	150	150	53
06/05/2021	7	150	150	53
06/05/2021	8	150	150	58
06/05/2021	9	150	150	63
06/05/2021	10	150	150	66
06/05/2021	11	150	150	68
06/05/2021	12	150	150	69
06/05/2021	13	150	150	70
06/05/2021	14	150	150	72
06/05/2021	15	150	150	71
06/05/2021	16	150	150	69
06/05/2021	17	150	150	66
06/05/2021	18	150	150	69
06/05/2021	19	150	150	72
06/05/2021	20	150	150	69
06/05/2021	21	150	150	67
06/05/2021	22	150	150	64
06/05/2021	23	150	150	60
06/05/2021	24	150	150	57
06/06/2021	1	150	150	55
06/06/2021	2	150	150	53
06/06/2021	3	150	150	52
06/06/2021	4	150	150	51
06/06/2021	5	150	150	52
06/06/2021	6	150	150	53
06/06/2021	7	150	150	51
06/06/2021	8	150	150	52
06/06/2021	9	150	150	54
06/06/2021	10	150	150	58
06/06/2021	11	150	150	60
06/06/2021	12	150	150	60
06/06/2021	13	150	150	61
06/06/2021	14	150	150	62
06/06/2021	15	150	150	61
06/06/2021	16	150	150	59
06/06/2021	17	150	150	59
06/06/2021	18	150	150	63
06/06/2021	19	150	150	66
06/06/2021	20	150	150	64
06/06/2021	21	150	150	63
06/06/2021	22	150	150	61
06/06/2021	23	150	150	58
06/06/2021	24	150	150	55
06/07/2021	1	150	150	53
06/07/2021	2	150	150	51
06/07/2021	3	150	150	50
06/07/2021	4	150	150	49
06/07/2021	5	150	150	51
06/07/2021	6	150	150	53
06/07/2021	7	150	150	53
06/07/2021	8	150	150	59
06/07/2021	9	150	150	68
06/07/2021	10	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/07/2021	11	150	150	76
06/07/2021	12	150	150	75
06/07/2021	13	150	150	76
06/07/2021	14	150	150	78
06/07/2021	15	150	150	78
06/07/2021	16	150	150	75
06/07/2021	17	150	150	70
06/07/2021	18	150	150	71
06/07/2021	19	150	150	72
06/07/2021	20	150	150	70
06/07/2021	21	150	150	68
06/07/2021	22	150	150	65
06/07/2021	23	150	150	61
06/07/2021	24	150	150	58
06/08/2021	1	150	150	56
06/08/2021	2	150	150	54
06/08/2021	3	150	150	53
06/08/2021	4	150	150	51
06/08/2021	5	150	150	53
06/08/2021	6	150	150	54
06/08/2021	7	150	150	53
06/08/2021	8	150	150	60
06/08/2021	9	150	150	69
06/08/2021	10	150	150	72
06/08/2021	11	150	150	76
06/08/2021	12	150	150	74
06/08/2021	13	150	150	75
06/08/2021	14	150	150	77
06/08/2021	15	150	150	75
06/08/2021	16	150	150	73
06/08/2021	17	150	150	71
06/08/2021	18	150	150	72
06/08/2021	19	150	150	73
06/08/2021	20	150	150	70
06/08/2021	21	150	150	68
06/08/2021	22	150	150	66
06/08/2021	23	150	150	62
06/08/2021	24	150	150	58
06/09/2021	1	150	150	56
06/09/2021	2	150	150	54
06/09/2021	3	150	150	52
06/09/2021	4	150	150	51
06/09/2021	5	150	150	51
06/09/2021	6	150	150	53
06/09/2021	7	150	150	53
06/09/2021	8	150	150	59
06/09/2021	9	150	150	67
06/09/2021	10	150	150	72
06/09/2021	11	150	150	75
06/09/2021	12	150	150	75
06/09/2021	13	150	150	76
06/09/2021	14	150	150	78
06/09/2021	15	150	150	77
06/09/2021	16	150	150	75
06/09/2021	17	150	150	71
06/09/2021	18	150	150	72
06/09/2021	19	150	150	74
06/09/2021	20	150	150	72
06/09/2021	21	150	150	70
06/09/2021	22	150	150	67
06/09/2021	23	150	150	63
06/09/2021	24	150	150	60
06/10/2021	1	150	150	58
06/10/2021	2	150	150	55
06/10/2021	3	150	150	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/10/2021	4	150	150	53
06/10/2021	5	150	150	55
06/10/2021	6	150	150	56
06/10/2021	7	150	150	54
06/10/2021	8	150	150	61
06/10/2021	9	150	150	68
06/10/2021	10	150	150	73
06/10/2021	11	150	150	76
06/10/2021	12	150	150	76
06/10/2021	13	150	150	76
06/10/2021	14	150	150	79
06/10/2021	15	150	150	78
06/10/2021	16	150	150	75
06/10/2021	17	150	150	71
06/10/2021	18	150	150	72
06/10/2021	19	150	150	74
06/10/2021	20	150	150	72
06/10/2021	21	150	150	70
06/10/2021	22	150	150	66
06/10/2021	23	150	150	62
06/10/2021	24	150	150	60
06/11/2021	1	150	150	56
06/11/2021	2	150	150	54
06/11/2021	3	150	150	52
06/11/2021	4	150	150	52
06/11/2021	5	150	150	54
06/11/2021	6	150	150	55
06/11/2021	7	150	150	54
06/11/2021	8	150	150	60
06/11/2021	9	150	150	68
06/11/2021	10	150	150	73
06/11/2021	11	150	150	76
06/11/2021	12	150	150	76
06/11/2021	13	150	150	76
06/11/2021	14	150	150	78
06/11/2021	15	150	150	76
06/11/2021	16	150	150	74
06/11/2021	17	150	150	71
06/11/2021	18	150	150	72
06/11/2021	19	150	150	73
06/11/2021	20	150	150	71
06/11/2021	21	150	150	69
06/11/2021	22	150	150	66
06/11/2021	23	150	150	62
06/11/2021	24	150	150	58
06/12/2021	1	150	150	56
06/12/2021	2	150	150	54
06/12/2021	3	150	150	52
06/12/2021	4	150	150	51
06/12/2021	5	150	150	52
06/12/2021	6	150	150	55
06/12/2021	7	150	150	54
06/12/2021	8	150	150	57
06/12/2021	9	150	150	61
06/12/2021	10	150	150	66
06/12/2021	11	150	150	68
06/12/2021	12	150	150	69
06/12/2021	13	150	150	70
06/12/2021	14	150	150	71
06/12/2021	15	150	150	71
06/12/2021	16	150	150	68
06/12/2021	17	150	150	66
06/12/2021	18	150	150	69
06/12/2021	19	150	150	72
06/12/2021	20	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/12/2021	21	150	150	68
06/12/2021	22	150	150	64
06/12/2021	23	150	150	61
06/12/2021	24	150	150	58
06/13/2021	1	150	150	56
06/13/2021	2	150	150	54
06/13/2021	3	150	150	52
06/13/2021	4	150	150	51
06/13/2021	5	150	150	52
06/13/2021	6	150	150	53
06/13/2021	7	150	150	51
06/13/2021	8	150	150	52
06/13/2021	9	150	150	54
06/13/2021	10	150	150	58
06/13/2021	11	150	150	60
06/13/2021	12	150	150	60
06/13/2021	13	150	150	61
06/13/2021	14	150	150	62
06/13/2021	15	150	150	61
06/13/2021	16	150	150	59
06/13/2021	17	150	150	58
06/13/2021	18	150	150	63
06/13/2021	19	150	150	66
06/13/2021	20	150	150	64
06/13/2021	21	150	150	62
06/13/2021	22	150	150	59
06/13/2021	23	150	150	57
06/13/2021	24	150	150	54
06/14/2021	1	150	150	52
06/14/2021	2	150	150	50
06/14/2021	3	150	150	50
06/14/2021	4	150	150	49
06/14/2021	5	150	150	50
06/14/2021	6	150	150	52
06/14/2021	7	150	150	52
06/14/2021	8	150	150	59
06/14/2021	9	150	150	68
06/14/2021	10	150	150	73
06/14/2021	11	150	150	75
06/14/2021	12	150	150	75
06/14/2021	13	150	150	76
06/14/2021	14	150	150	78
06/14/2021	15	150	150	77
06/14/2021	16	150	150	75
06/14/2021	17	150	150	71
06/14/2021	18	150	150	71
06/14/2021	19	150	150	72
06/14/2021	20	150	150	70
06/14/2021	21	150	150	69
06/14/2021	22	150	150	65
06/14/2021	23	150	150	61
06/14/2021	24	150	150	58
06/15/2021	1	150	150	55
06/15/2021	2	150	150	53
06/15/2021	3	150	150	52
06/15/2021	4	150	150	51
06/15/2021	5	150	150	52
06/15/2021	6	150	150	54
06/15/2021	7	150	150	53
06/15/2021	8	150	150	60
06/15/2021	9	150	150	67
06/15/2021	10	150	150	71
06/15/2021	11	150	150	76
06/15/2021	12	150	150	75
06/15/2021	13	150	150	75

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/15/2021	14	150	150	78
06/15/2021	15	150	150	77
06/15/2021	16	150	150	75
06/15/2021	17	150	150	71
06/15/2021	18	150	150	72
06/15/2021	19	150	150	73
06/15/2021	20	150	150	72
06/15/2021	21	150	150	69
06/15/2021	22	150	150	65
06/15/2021	23	150	150	59
06/15/2021	24	150	150	57
06/16/2021	1	150	150	56
06/16/2021	2	150	150	55
06/16/2021	3	150	150	53
06/16/2021	4	150	150	52
06/16/2021	5	150	150	54
06/16/2021	6	150	150	55
06/16/2021	7	150	150	54
06/16/2021	8	150	150	60
06/16/2021	9	150	150	68
06/16/2021	10	150	150	72
06/16/2021	11	150	150	75
06/16/2021	12	150	150	75
06/16/2021	13	150	150	75
06/16/2021	14	150	150	78
06/16/2021	15	150	150	77
06/16/2021	16	150	150	74
06/16/2021	17	150	150	72
06/16/2021	18	150	150	72
06/16/2021	19	150	150	73
06/16/2021	20	150	150	71
06/16/2021	21	150	150	68
06/16/2021	22	150	150	65
06/16/2021	23	150	150	62
06/16/2021	24	150	150	57
06/17/2021	1	150	150	55
06/17/2021	2	150	150	53
06/17/2021	3	150	150	52
06/17/2021	4	150	150	51
06/17/2021	5	150	150	53
06/17/2021	6	150	150	54
06/17/2021	7	150	150	54
06/17/2021	8	150	150	59
06/17/2021	9	150	150	67
06/17/2021	10	150	150	73
06/17/2021	11	150	150	76
06/17/2021	12	150	150	76
06/17/2021	13	150	150	76
06/17/2021	14	150	150	78
06/17/2021	15	150	150	78
06/17/2021	16	150	150	76
06/17/2021	17	150	150	71
06/17/2021	18	150	150	72
06/17/2021	19	150	150	73
06/17/2021	20	150	150	72
06/17/2021	21	150	150	70
06/17/2021	22	150	150	67
06/17/2021	23	150	150	63
06/17/2021	24	150	150	58
06/18/2021	1	133	133	55
06/18/2021	2	131	131	53
06/18/2021	3	128	128	52
06/18/2021	4	125	125	51
06/18/2021	5	125	125	53
06/18/2021	6	128	128	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/18/2021	7	128	128	54
06/18/2021	8	132	132	60
06/18/2021	9	137	137	68
06/18/2021	10	133	133	73
06/18/2021	11	132	132	77
06/18/2021	12	133	133	75
06/18/2021	13	133	133	76
06/18/2021	14	137	137	77
06/18/2021	15	143	143	75
06/18/2021	16	138	138	73
06/18/2021	17	133	133	69
06/18/2021	18	133	133	70
06/18/2021	19	137	137	72
06/18/2021	20	134	134	69
06/18/2021	21	128	128	67
06/18/2021	22	128	128	64
06/18/2021	23	141	141	60
06/18/2021	24	136	136	57
06/19/2021	1	150	150	55
06/19/2021	2	150	150	53
06/19/2021	3	150	150	51
06/19/2021	4	150	150	51
06/19/2021	5	150	150	52
06/19/2021	6	150	150	54
06/19/2021	7	150	150	54
06/19/2021	8	150	150	57
06/19/2021	9	150	150	61
06/19/2021	10	150	150	64
06/19/2021	11	150	150	68
06/19/2021	12	150	150	68
06/19/2021	13	150	150	68
06/19/2021	14	150	150	71
06/19/2021	15	150	150	70
06/19/2021	16	150	150	68
06/19/2021	17	150	150	66
06/19/2021	18	150	150	69
06/19/2021	19	150	150	71
06/19/2021	20	150	150	68
06/19/2021	21	150	150	67
06/19/2021	22	150	150	64
06/19/2021	23	150	150	60
06/19/2021	24	150	150	57
06/20/2021	1	150	150	54
06/20/2021	2	150	150	53
06/20/2021	3	150	150	51
06/20/2021	4	150	150	51
06/20/2021	5	150	150	51
06/20/2021	6	150	150	52
06/20/2021	7	150	150	51
06/20/2021	8	150	150	52
06/20/2021	9	150	150	54
06/20/2021	10	150	150	57
06/20/2021	11	150	150	60
06/20/2021	12	150	150	59
06/20/2021	13	150	150	60
06/20/2021	14	150	150	61
06/20/2021	15	150	150	60
06/20/2021	16	150	150	59
06/20/2021	17	150	150	59
06/20/2021	18	150	150	63
06/20/2021	19	150	150	68
06/20/2021	20	150	150	66
06/20/2021	21	150	150	64
06/20/2021	22	150	150	61
06/20/2021	23	150	150	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/20/2021	24	150	150	54
06/21/2021	1	150	150	52
06/21/2021	2	150	150	50
06/21/2021	3	150	150	49
06/21/2021	4	150	150	49
06/21/2021	5	150	150	51
06/21/2021	6	150	150	52
06/21/2021	7	150	150	52
06/21/2021	8	150	150	58
06/21/2021	9	150	150	66
06/21/2021	10	150	150	72
06/21/2021	11	150	150	75
06/21/2021	12	150	150	74
06/21/2021	13	150	150	75
06/21/2021	14	150	150	78
06/21/2021	15	150	150	77
06/21/2021	16	150	150	74
06/21/2021	17	150	150	69
06/21/2021	18	150	150	70
06/21/2021	19	150	150	72
06/21/2021	20	150	150	70
06/21/2021	21	150	150	68
06/21/2021	22	150	150	64
06/21/2021	23	150	150	61
06/21/2021	24	150	150	57
06/22/2021	1	150	109	55
06/22/2021	2	150	109	53
06/22/2021	3	150	108	52
06/22/2021	4	150	108	51
06/22/2021	5	150	106	52
06/22/2021	6	150	110	55
06/22/2021	7	150	109	55
06/22/2021	8	150	134	60
06/22/2021	9	150	150	68
06/22/2021	10	150	150	73
06/22/2021	11	150	150	76
06/22/2021	12	150	150	76
06/22/2021	13	150	150	77
06/22/2021	14	150	150	79
06/22/2021	15	150	150	78
06/22/2021	16	150	150	76
06/22/2021	17	150	150	72
06/22/2021	18	150	150	72
06/22/2021	19	150	150	73
06/22/2021	20	150	150	72
06/22/2021	21	150	150	70
06/22/2021	22	150	143	67
06/22/2021	23	150	134	63
06/22/2021	24	150	134	59
06/23/2021	1	150	115	56
06/23/2021	2	150	109	54
06/23/2021	3	150	109	53
06/23/2021	4	150	108	52
06/23/2021	5	150	109	53
06/23/2021	6	150	113	55
06/23/2021	7	150	110	54
06/23/2021	8	150	130	61
06/23/2021	9	150	150	69
06/23/2021	10	150	150	74
06/23/2021	11	150	150	77
06/23/2021	12	150	150	76
06/23/2021	13	150	150	77
06/23/2021	14	150	150	80
06/23/2021	15	150	150	79
06/23/2021	16	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/23/2021	17	150	150	72
06/23/2021	18	150	150	72
06/23/2021	19	150	150	73
06/23/2021	20	150	150	71
06/23/2021	21	150	146	69
06/23/2021	22	150	135	65
06/23/2021	23	150	135	62
06/23/2021	24	150	128	58
06/24/2021	1	150	118	57
06/24/2021	2	150	110	54
06/24/2021	3	150	109	52
06/24/2021	4	150	109	52
06/24/2021	5	150	109	53
06/24/2021	6	150	110	55
06/24/2021	7	150	110	55
06/24/2021	8	150	129	60
06/24/2021	9	150	150	68
06/24/2021	10	150	150	74
06/24/2021	11	150	150	78
06/24/2021	12	150	150	76
06/24/2021	13	150	150	78
06/24/2021	14	150	150	79
06/24/2021	15	150	150	78
06/24/2021	16	150	150	75
06/24/2021	17	150	150	71
06/24/2021	18	150	150	71
06/24/2021	19	150	150	72
06/24/2021	20	150	150	70
06/24/2021	21	150	136	68
06/24/2021	22	150	131	65
06/24/2021	23	150	129	61
06/24/2021	24	150	123	58
06/25/2021	1	150	110	56
06/25/2021	2	150	110	54
06/25/2021	3	150	110	53
06/25/2021	4	150	110	52
06/25/2021	5	150	110	54
06/25/2021	6	150	110	55
06/25/2021	7	150	108	54
06/25/2021	8	150	129	60
06/25/2021	9	150	150	67
06/25/2021	10	150	150	72
06/25/2021	11	150	150	76
06/25/2021	12	150	150	75
06/25/2021	13	150	150	77
06/25/2021	14	150	150	78
06/25/2021	15	150	150	76
06/25/2021	16	150	150	73
06/25/2021	17	150	150	68
06/25/2021	18	150	150	69
06/25/2021	19	150	150	72
06/25/2021	20	150	150	70
06/25/2021	21	150	150	68
06/25/2021	22	150	150	65
06/25/2021	23	150	150	61
06/25/2021	24	150	137	58
06/26/2021	1	150	150	55
06/26/2021	2	150	150	54
06/26/2021	3	150	150	52
06/26/2021	4	150	150	51
06/26/2021	5	150	150	53
06/26/2021	6	150	150	54
06/26/2021	7	150	150	53
06/26/2021	8	150	150	56
06/26/2021	9	150	150	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/26/2021	10	150	150	65
06/26/2021	11	150	150	68
06/26/2021	12	150	150	68
06/26/2021	13	150	150	68
06/26/2021	14	150	150	70
06/26/2021	15	150	150	69
06/26/2021	16	150	150	68
06/26/2021	17	150	150	65
06/26/2021	18	150	150	67
06/26/2021	19	150	150	70
06/26/2021	20	150	150	68
06/26/2021	21	150	150	66
06/26/2021	22	150	150	64
06/26/2021	23	150	150	60
06/26/2021	24	150	150	57
06/27/2021	1	150	150	55
06/27/2021	2	150	150	53
06/27/2021	3	135	135	51
06/27/2021	4	135	120	50
06/27/2021	5	135	120	50
06/27/2021	6	135	120	52
06/27/2021	7	135	114	51
06/27/2021	8	135	108	52
06/27/2021	9	135	108	54
06/27/2021	10	135	113	56
06/27/2021	11	135	117	60
06/27/2021	12	135	118	60
06/27/2021	13	135	120	61
06/27/2021	14	135	120	62
06/27/2021	15	140	126	61
06/27/2021	16	140	126	59
06/27/2021	17	139	130	58
06/27/2021	18	150	150	63
06/27/2021	19	150	150	66
06/27/2021	20	150	150	65
06/27/2021	21	150	150	63
06/27/2021	22	150	150	61
06/27/2021	23	150	150	58
06/27/2021	24	150	150	54
06/28/2021	1	150	150	52
06/28/2021	2	150	150	50
06/28/2021	3	150	150	49
06/28/2021	4	150	150	49
06/28/2021	5	150	150	51
06/28/2021	6	150	150	52
06/28/2021	7	150	150	52
06/28/2021	8	150	150	58
06/28/2021	9	150	150	68
06/28/2021	10	150	150	72
06/28/2021	11	150	150	76
06/28/2021	12	150	150	75
06/28/2021	13	150	150	76
06/28/2021	14	150	150	78
06/28/2021	15	150	150	77
06/28/2021	16	150	150	74
06/28/2021	17	150	150	70
06/28/2021	18	150	150	71
06/28/2021	19	150	150	72
06/28/2021	20	150	150	70
06/28/2021	21	150	150	68
06/28/2021	22	150	150	65
06/28/2021	23	150	150	61
06/28/2021	24	150	150	58
06/29/2021	1	150	150	56
06/29/2021	2	150	150	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/29/2021	3	150	150	53
06/29/2021	4	150	150	52
06/29/2021	5	150	150	54
06/29/2021	6	150	150	55
06/29/2021	7	150	150	54
06/29/2021	8	150	150	60
06/29/2021	9	150	150	68
06/29/2021	10	150	150	74
06/29/2021	11	150	150	78
06/29/2021	12	150	150	76
06/29/2021	13	150	150	77
06/29/2021	14	150	150	79
06/29/2021	15	150	150	79
06/29/2021	16	150	150	76
06/29/2021	17	150	150	72
06/29/2021	18	150	150	72
06/29/2021	19	150	150	73
06/29/2021	20	150	150	71
06/29/2021	21	150	150	70
06/29/2021	22	150	150	66
06/29/2021	23	150	150	62
06/29/2021	24	150	150	58
06/30/2021	1	150	150	55
06/30/2021	2	150	150	53
06/30/2021	3	150	150	52
06/30/2021	4	150	150	51
06/30/2021	5	150	150	53
06/30/2021	6	150	150	54
06/30/2021	7	150	150	54
06/30/2021	8	150	150	59
06/30/2021	9	150	150	68
06/30/2021	10	150	150	72
06/30/2021	11	150	150	76
06/30/2021	12	150	150	75
06/30/2021	13	150	150	76
06/30/2021	14	150	150	78
06/30/2021	15	150	150	77
06/30/2021	16	150	150	76
06/30/2021	17	150	150	71
06/30/2021	18	150	150	72
06/30/2021	19	150	150	73
06/30/2021	20	150	150	70
06/30/2021	21	150	150	68
06/30/2021	22	150	150	65
06/30/2021	23	150	150	62
06/30/2021	24	150	150	58
07/01/2021	1	150	150	55
07/01/2021	2	150	150	53
07/01/2021	3	150	150	52
07/01/2021	4	150	150	51
07/01/2021	5	150	150	52
07/01/2021	6	150	150	54
07/01/2021	7	150	150	54
07/01/2021	8	150	150	61
07/01/2021	9	150	150	68
07/01/2021	10	150	150	73
07/01/2021	11	150	150	76
07/01/2021	12	150	150	75
07/01/2021	13	150	150	76
07/01/2021	14	150	150	78
07/01/2021	15	150	150	75
07/01/2021	16	150	150	73
07/01/2021	17	150	150	69
07/01/2021	18	150	150	69
07/01/2021	19	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/01/2021	20	150	150	69
07/01/2021	21	150	150	68
07/01/2021	22	150	150	64
07/01/2021	23	150	150	60
07/01/2021	24	150	150	58
07/02/2021	1	150	150	55
07/02/2021	2	150	150	53
07/02/2021	3	150	150	52
07/02/2021	4	150	150	51
07/02/2021	5	150	150	52
07/02/2021	6	150	150	54
07/02/2021	7	150	150	54
07/02/2021	8	150	150	61
07/02/2021	9	150	150	68
07/02/2021	10	150	150	73
07/02/2021	11	150	150	76
07/02/2021	12	150	150	75
07/02/2021	13	150	150	76
07/02/2021	14	150	150	78
07/02/2021	15	150	150	75
07/02/2021	16	150	150	73
07/02/2021	17	150	150	69
07/02/2021	18	150	150	69
07/02/2021	19	150	150	71
07/02/2021	20	150	150	69
07/02/2021	21	150	150	68
07/02/2021	22	150	150	64
07/02/2021	23	150	150	60
07/02/2021	24	150	150	58
07/03/2021	1	150	150	52
07/03/2021	2	150	150	51
07/03/2021	3	150	150	50
07/03/2021	4	150	150	49
07/03/2021	5	150	150	51
07/03/2021	6	150	150	52
07/03/2021	7	150	150	51
07/03/2021	8	150	150	53
07/03/2021	9	150	150	59
07/03/2021	10	150	150	64
07/03/2021	11	150	150	68
07/03/2021	12	150	150	67
07/03/2021	13	150	150	68
07/03/2021	14	150	150	70
07/03/2021	15	150	150	69
07/03/2021	16	150	150	68
07/03/2021	17	150	150	65
07/03/2021	18	150	150	67
07/03/2021	19	150	150	70
07/03/2021	20	150	150	68
07/03/2021	21	150	150	66
07/03/2021	22	150	150	62
07/03/2021	23	150	150	58
07/03/2021	24	150	150	56
07/04/2021	1	150	125	53
07/04/2021	2	150	125	51
07/04/2021	3	148	126	50
07/04/2021	4	135	124	49
07/04/2021	5	150	124	50
07/04/2021	6	150	124	50
07/04/2021	7	150	125	50
07/04/2021	8	126	120	51
07/04/2021	9	126	120	53
07/04/2021	10	125	118	57
07/04/2021	11	126	124	60
07/04/2021	12	127	125	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/04/2021	13	135	126	60
07/04/2021	14	139	125	62
07/04/2021	15	132	130	60
07/04/2021	16	132	130	58
07/04/2021	17	131	127	57
07/04/2021	18	143	130	60
07/04/2021	19	139	131	63
07/04/2021	20	130	127	62
07/04/2021	21	130	126	59
07/04/2021	22	132	124	57
07/04/2021	23	140	131	54
07/04/2021	24	134	124	51
07/05/2021	1	150	150	52
07/05/2021	2	150	150	51
07/05/2021	3	150	150	49
07/05/2021	4	150	150	49
07/05/2021	5	150	150	51
07/05/2021	6	150	150	52
07/05/2021	7	150	150	52
07/05/2021	8	150	150	58
07/05/2021	9	150	150	68
07/05/2021	10	150	150	73
07/05/2021	11	150	150	76
07/05/2021	12	150	150	75
07/05/2021	13	150	150	77
07/05/2021	14	150	150	78
07/05/2021	15	150	150	77
07/05/2021	16	150	150	75
07/05/2021	17	150	150	70
07/05/2021	18	150	150	71
07/05/2021	19	150	150	72
07/05/2021	20	150	150	69
07/05/2021	21	150	150	68
07/05/2021	22	150	150	64
07/05/2021	23	150	150	61
07/05/2021	24	150	150	57
07/06/2021	1	150	150	54
07/06/2021	2	150	150	52
07/06/2021	3	150	150	51
07/06/2021	4	150	150	50
07/06/2021	5	150	150	52
07/06/2021	6	150	150	54
07/06/2021	7	150	150	54
07/06/2021	8	150	150	60
07/06/2021	9	150	150	68
07/06/2021	10	150	150	73
07/06/2021	11	150	150	76
07/06/2021	12	150	150	76
07/06/2021	13	150	150	76
07/06/2021	14	150	150	79
07/06/2021	15	150	150	78
07/06/2021	16	150	150	76
07/06/2021	17	150	150	70
07/06/2021	18	150	150	70
07/06/2021	19	150	150	72
07/06/2021	20	150	150	69
07/06/2021	21	150	150	67
07/06/2021	22	150	150	63
07/06/2021	23	150	150	60
07/06/2021	24	150	150	56
07/07/2021	1	150	150	55
07/07/2021	2	150	150	52
07/07/2021	3	150	150	51
07/07/2021	4	150	150	50
07/07/2021	5	150	150	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/07/2021	6	150	150	54
07/07/2021	7	150	150	53
07/07/2021	8	150	150	60
07/07/2021	9	150	150	68
07/07/2021	10	150	150	73
07/07/2021	11	150	150	77
07/07/2021	12	150	150	76
07/07/2021	13	150	150	77
07/07/2021	14	150	150	79
07/07/2021	15	150	150	78
07/07/2021	16	150	150	75
07/07/2021	17	150	150	70
07/07/2021	18	150	150	69
07/07/2021	19	150	150	71
07/07/2021	20	150	150	69
07/07/2021	21	150	150	66
07/07/2021	22	150	150	62
07/07/2021	23	150	150	59
07/07/2021	24	150	150	56
07/08/2021	1	150	150	54
07/08/2021	2	150	150	52
07/08/2021	3	150	150	50
07/08/2021	4	150	150	50
07/08/2021	5	150	150	52
07/08/2021	6	150	150	54
07/08/2021	7	150	150	54
07/08/2021	8	150	150	58
07/08/2021	9	150	150	66
07/08/2021	10	150	150	70
07/08/2021	11	150	150	75
07/08/2021	12	150	150	74
07/08/2021	13	150	150	75
07/08/2021	14	150	150	78
07/08/2021	15	150	150	76
07/08/2021	16	150	150	73
07/08/2021	17	150	150	69
07/08/2021	18	150	150	70
07/08/2021	19	150	150	70
07/08/2021	20	150	150	68
07/08/2021	21	150	150	65
07/08/2021	22	150	150	62
07/08/2021	23	150	150	58
07/08/2021	24	150	150	55
07/09/2021	1	150	150	52
07/09/2021	2	150	150	51
07/09/2021	3	150	149	50
07/09/2021	4	150	150	49
07/09/2021	5	150	150	51
07/09/2021	6	150	150	54
07/09/2021	7	150	150	53
07/09/2021	8	150	150	59
07/09/2021	9	150	150	66
07/09/2021	10	150	150	69
07/09/2021	11	150	150	74
07/09/2021	12	150	150	73
07/09/2021	13	150	150	74
07/09/2021	14	150	150	77
07/09/2021	15	150	150	75
07/09/2021	16	150	150	71
07/09/2021	17	150	150	68
07/09/2021	18	150	150	68
07/09/2021	19	150	150	69
07/09/2021	20	150	150	67
07/09/2021	21	150	150	64
07/09/2021	22	150	150	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/09/2021	23	150	150	57
07/09/2021	24	150	150	54
07/10/2021	1	150	150	52
07/10/2021	2	150	150	51
07/10/2021	3	150	150	49
07/10/2021	4	150	150	49
07/10/2021	5	150	150	50
07/10/2021	6	150	150	52
07/10/2021	7	150	150	51
07/10/2021	8	150	150	54
07/10/2021	9	150	150	58
07/10/2021	10	150	150	63
07/10/2021	11	150	150	66
07/10/2021	12	150	150	66
07/10/2021	13	150	150	67
07/10/2021	14	150	150	68
07/10/2021	15	150	150	67
07/10/2021	16	150	150	66
07/10/2021	17	150	150	64
07/10/2021	18	150	150	67
07/10/2021	19	150	150	69
07/10/2021	20	150	150	68
07/10/2021	21	150	150	65
07/10/2021	22	150	150	62
07/10/2021	23	150	150	58
07/10/2021	24	150	150	55
07/11/2021	1	150	150	52
07/11/2021	2	150	150	51
07/11/2021	3	150	150	50
07/11/2021	4	136	136	48
07/11/2021	5	142	141	50
07/11/2021	6	150	150	51
07/11/2021	7	146	145	50
07/11/2021	8	140	140	51
07/11/2021	9	140	140	53
07/11/2021	10	140	140	56
07/11/2021	11	140	140	60
07/11/2021	12	140	140	59
07/11/2021	13	140	140	60
07/11/2021	14	140	140	61
07/11/2021	15	140	140	59
07/11/2021	16	140	140	58
07/11/2021	17	140	140	57
07/11/2021	18	150	150	61
07/11/2021	19	150	150	64
07/11/2021	20	150	150	63
07/11/2021	21	150	150	61
07/11/2021	22	150	150	59
07/11/2021	23	146	146	55
07/11/2021	24	150	150	52
07/12/2021	1	150	150	50
07/12/2021	2	150	150	49
07/12/2021	3	136	135	48
07/12/2021	4	136	135	47
07/12/2021	5	146	146	49
07/12/2021	6	150	150	51
07/12/2021	7	150	150	51
07/12/2021	8	150	150	57
07/12/2021	9	150	150	66
07/12/2021	10	150	150	71
07/12/2021	11	150	150	75
07/12/2021	12	150	150	74
07/12/2021	13	150	150	75
07/12/2021	14	150	150	77
07/12/2021	15	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/12/2021	16	150	150	74
07/12/2021	17	150	150	70
07/12/2021	18	150	150	70
07/12/2021	19	150	150	71
07/12/2021	20	150	150	70
07/12/2021	21	150	150	67
07/12/2021	22	150	150	63
07/12/2021	23	150	150	59
07/12/2021	24	150	150	56
07/13/2021	1	150	150	52
07/13/2021	2	150	150	51
07/13/2021	3	150	150	50
07/13/2021	4	150	150	49
07/13/2021	5	150	150	50
07/13/2021	6	150	150	53
07/13/2021	7	150	150	52
07/13/2021	8	150	150	58
07/13/2021	9	150	150	67
07/13/2021	10	150	150	72
07/13/2021	11	150	150	76
07/13/2021	12	150	150	75
07/13/2021	13	150	150	76
07/13/2021	14	150	150	78
07/13/2021	15	150	150	77
07/13/2021	16	150	150	75
07/13/2021	17	150	150	70
07/13/2021	18	150	150	70
07/13/2021	19	150	150	71
07/13/2021	20	150	150	70
07/13/2021	21	150	150	66
07/13/2021	22	150	150	63
07/13/2021	23	150	150	59
07/13/2021	24	150	150	56
07/14/2021	1	150	150	55
07/14/2021	2	150	150	53
07/14/2021	3	150	150	51
07/14/2021	4	150	150	51
07/14/2021	5	150	150	52
07/14/2021	6	150	150	54
07/14/2021	7	150	150	54
07/14/2021	8	150	150	59
07/14/2021	9	150	150	67
07/14/2021	10	150	150	72
07/14/2021	11	150	150	75
07/14/2021	12	150	150	74
07/14/2021	13	150	150	75
07/14/2021	14	150	150	78
07/14/2021	15	150	150	76
07/14/2021	16	150	150	73
07/14/2021	17	150	150	69
07/14/2021	18	150	150	69
07/14/2021	19	150	150	72
07/14/2021	20	150	150	70
07/14/2021	21	150	150	67
07/14/2021	22	150	150	64
07/14/2021	23	150	150	59
07/14/2021	24	150	150	56
07/15/2021	1	150	150	53
07/15/2021	2	150	150	51
07/15/2021	3	150	150	50
07/15/2021	4	150	150	49
07/15/2021	5	150	150	51
07/15/2021	6	150	150	54
07/15/2021	7	150	150	53
07/15/2021	8	150	150	58

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/15/2021	9	150	150	66
07/15/2021	10	150	150	70
07/15/2021	11	150	150	74
07/15/2021	12	150	150	74
07/15/2021	13	150	150	74
07/15/2021	14	150	150	78
07/15/2021	15	150	150	76
07/15/2021	16	150	150	74
07/15/2021	17	150	150	69
07/15/2021	18	150	150	69
07/15/2021	19	150	150	70
07/15/2021	20	150	150	69
07/15/2021	21	150	150	67
07/15/2021	22	150	150	63
07/15/2021	23	150	150	58
07/15/2021	24	150	150	56
07/16/2021	1	150	150	54
07/16/2021	2	150	150	52
07/16/2021	3	150	150	50
07/16/2021	4	150	150	50
07/16/2021	5	150	150	52
07/16/2021	6	150	150	53
07/16/2021	7	150	150	52
07/16/2021	8	150	150	58
07/16/2021	9	150	150	66
07/16/2021	10	150	150	71
07/16/2021	11	150	150	75
07/16/2021	12	150	150	74
07/16/2021	13	150	150	75
07/16/2021	14	150	150	78
07/16/2021	15	150	150	76
07/16/2021	16	150	150	74
07/16/2021	17	150	150	69
07/16/2021	18	150	150	70
07/16/2021	19	150	150	71
07/16/2021	20	150	150	69
07/16/2021	21	150	150	67
07/16/2021	22	150	150	64
07/16/2021	23	150	150	60
07/16/2021	24	150	150	57
07/17/2021	1	150	150	53
07/17/2021	2	150	150	52
07/17/2021	3	150	150	50
07/17/2021	4	150	150	50
07/17/2021	5	150	150	51
07/17/2021	6	150	150	53
07/17/2021	7	150	150	53
07/17/2021	8	150	150	55
07/17/2021	9	150	150	60
07/17/2021	10	150	150	64
07/17/2021	11	150	150	67
07/17/2021	12	150	150	67
07/17/2021	13	150	150	68
07/17/2021	14	150	150	70
07/17/2021	15	150	150	69
07/17/2021	16	150	150	67
07/17/2021	17	150	150	65
07/17/2021	18	150	150	67
07/17/2021	19	150	150	70
07/17/2021	20	150	150	68
07/17/2021	21	150	150	66
07/17/2021	22	150	150	64
07/17/2021	23	150	150	60
07/17/2021	24	150	150	56
07/18/2021	1	150	150	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/18/2021	2	150	150	51
07/18/2021	3	150	150	50
07/18/2021	4	150	150	50
07/18/2021	5	150	150	50
07/18/2021	6	150	150	51
07/18/2021	7	150	150	50
07/18/2021	8	150	150	51
07/18/2021	9	150	150	53
07/18/2021	10	150	150	56
07/18/2021	11	150	150	59
07/18/2021	12	150	150	60
07/18/2021	13	150	150	60
07/18/2021	14	150	150	62
07/18/2021	15	150	150	60
07/18/2021	16	150	150	59
07/18/2021	17	150	150	58
07/18/2021	18	150	150	61
07/18/2021	19	150	150	66
07/18/2021	20	150	150	65
07/18/2021	21	150	150	63
07/18/2021	22	150	150	60
07/18/2021	23	150		57
07/18/2021	24	150	150	54
07/19/2021	1	150	150	52
07/19/2021	2	150	150	50
07/19/2021	3	150	150	49
07/19/2021	4	150	150	49
07/19/2021	5	150	150	49
07/19/2021	6	150	150	52
07/19/2021	7	150	150	52
07/19/2021	8	150	150	58
07/19/2021	9	150	150	67
07/19/2021	10	150	150	72
07/19/2021	11	150	150	76
07/19/2021	12	150	150	75
07/19/2021	13	150	150	75
07/19/2021	14	150	150	78
07/19/2021	15	150	150	77
07/19/2021	16	150	150	74
07/19/2021	17	150	150	69
07/19/2021	18	150	150	70
07/19/2021	19	150	150	72
07/19/2021	20	150	150	71
07/19/2021	21	150	150	68
07/19/2021	22	150	150	64
07/19/2021	23	150	150	60
07/19/2021	24	150	150	57
07/20/2021	1	150	150	53
07/20/2021	2	150	150	51
07/20/2021	3	150	150	50
07/20/2021	4	150	150	49
07/20/2021	5	150	150	50
07/20/2021	6	150	150	52
07/20/2021	7	150	150	51
07/20/2021	8	150	150	54
07/20/2021	9	150	150	59
07/20/2021	10	150	150	63
07/20/2021	11	150	150	66
07/20/2021	12	150	150	65
07/20/2021	13	150	150	67
07/20/2021	14	150	150	70
07/20/2021	15	150	150	68
07/20/2021	16	150	150	67
07/20/2021	17	150	150	64
07/20/2021	18	150	150	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/20/2021	19	150	150	68
07/20/2021	20	150	150	67
07/20/2021	21	150	150	65
07/20/2021	22	150	150	61
07/20/2021	23	150	150	58
07/20/2021	24	150	150	55
07/21/2021	1	150	150	53
07/21/2021	2	150	150	52
07/21/2021	3	150	150	51
07/21/2021	4	150	150	50
07/21/2021	5	150	150	51
07/21/2021	6	150	150	53
07/21/2021	7	150	150	53
07/21/2021	8	150	150	58
07/21/2021	9	150	150	65
07/21/2021	10	150	150	69
07/21/2021	11	150	150	72
07/21/2021	12	150	150	72
07/21/2021	13	150	150	74
07/21/2021	14	150	150	77
07/21/2021	15	150	150	75
07/21/2021	16	150	150	72
07/21/2021	17	150	150	68
07/21/2021	18	150	150	69
07/21/2021	19	150	150	70
07/21/2021	20	150	150	68
07/21/2021	21	150	150	65
07/21/2021	22	150	150	62
07/21/2021	23	150	150	59
07/21/2021	24	150	150	55
07/22/2021	1	150	150	55
07/22/2021	2	150	150	53
07/22/2021	3	150	150	52
07/22/2021	4	150	150	50
07/22/2021	5	150	150	53
07/22/2021	6	150	150	55
07/22/2021	7	150	150	54
07/22/2021	8	150	150	60
07/22/2021	9	150	150	68
07/22/2021	10	150	150	74
07/22/2021	11	150	150	77
07/22/2021	12	150	150	76
07/22/2021	13	150	150	77
07/22/2021	14	150	150	79
07/22/2021	15	150	150	79
07/22/2021	16	150	150	76
07/22/2021	17	150	150	73
07/22/2021	18	150	150	68
07/22/2021	19	150	150	71
07/22/2021	20	150	150	69
07/22/2021	21	150	150	67
07/22/2021	22	150	150	65
07/22/2021	23	150	150	61
07/22/2021	24	150	150	58
07/23/2021	1	150	150	58
07/23/2021	2	150	150	56
07/23/2021	3	150	150	54
07/23/2021	4	150	150	52
07/23/2021	5	150	150	53
07/23/2021	6	150	150	55
07/23/2021	7	150	150	54
07/23/2021	8	150	150	60
07/23/2021	9	150	150	67
07/23/2021	10	150	150	72
07/23/2021	11	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/23/2021	12	150	150	75
07/23/2021	13	150	150	77
07/23/2021	14	150	150	79
07/23/2021	15	150	150	77
07/23/2021	16	150	150	75
07/23/2021	17	150	150	71
07/23/2021	18	150	150	72
07/23/2021	19	150	150	74
07/23/2021	20	150	150	71
07/23/2021	21	150	150	69
07/23/2021	22	150	150	67
07/23/2021	23	150	150	64
07/23/2021	24	150	150	60
07/24/2021	1	150	150	54
07/24/2021	2	150	150	52
07/24/2021	3	150	150	51
07/24/2021	4	150	150	50
07/24/2021	5	150	150	50
07/24/2021	6	150	150	53
07/24/2021	7	150	150	51
07/24/2021	8	150	150	53
07/24/2021	9	150	150	58
07/24/2021	10	150	150	63
07/24/2021	11	150	150	66
07/24/2021	12	150	150	65
07/24/2021	13	150	150	66
07/24/2021	14	150	150	67
07/24/2021	15	150	150	66
07/24/2021	16	150	150	65
07/24/2021	17	150	150	64
07/24/2021	18	150	150	67
07/24/2021	19	150	150	70
07/24/2021	20	150	150	69
07/24/2021	21	150	150	66
07/24/2021	22	150	150	62
07/24/2021	23	150	150	60
07/24/2021	24	150	150	57
07/25/2021	1	150	150	54
07/25/2021	2	150	150	52
07/25/2021	3	146	146	51
07/25/2021	4	131	130	50
07/25/2021	5	134	133	50
07/25/2021	6	136	135	51
07/25/2021	7	115	115	50
07/25/2021	8	115	115	52
07/25/2021	9	115	115	54
07/25/2021	10	115	115	56
07/25/2021	11	120	120	60
07/25/2021	12	121	120	61
07/25/2021	13	120	120	61
07/25/2021	14	130	129	62
07/25/2021	15	120	120	61
07/25/2021	16	121	121	60
07/25/2021	17	115	115	58
07/25/2021	18	150	150	63
07/25/2021	19	150	150	68
07/25/2021	20	150	150	66
07/25/2021	21	150	150	63
07/25/2021	22	150	150	61
07/25/2021	23	150	150	58
07/25/2021	24	150	150	55
07/26/2021	1	150	150	52
07/26/2021	2	142	142	50
07/26/2021	3	142	141	49
07/26/2021	4	145	144	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/26/2021	5	150	150	50
07/26/2021	6	150	150	52
07/26/2021	7	150	150	52
07/26/2021	8	150	150	58
07/26/2021	9	150	150	67
07/26/2021	10	150	150	72
07/26/2021	11	150	150	75
07/26/2021	12	150	150	75
07/26/2021	13	150	150	76
07/26/2021	14	150	150	78
07/26/2021	15	150	150	77
07/26/2021	16	150	150	75
07/26/2021	17	150	150	70
07/26/2021	18	150	150	70
07/26/2021	19	150	150	72
07/26/2021	20	150	150	70
07/26/2021	21	150	150	68
07/26/2021	22	150	150	65
07/26/2021	23	150	150	62
07/26/2021	24	150	150	58
07/27/2021	1	150	150	58
07/27/2021	2	150	150	56
07/27/2021	3	150	150	55
07/27/2021	4	150	150	53
07/27/2021	5	150	150	55
07/27/2021	6	150	150	56
07/27/2021	7	150	150	57
07/27/2021	8	150	150	63
07/27/2021	9	150	150	69
07/27/2021	10	150	150	73
07/27/2021	11	150	150	78
07/27/2021	12	150	150	77
07/27/2021	13	150	150	77
07/27/2021	14	150	150	80
07/27/2021	15	150	150	79
07/27/2021	16	150	150	77
07/27/2021	17	150	150	73
07/27/2021	18	150	150	74
07/27/2021	19	150	150	75
07/27/2021	20	150	150	73
07/27/2021	21	150	150	72
07/27/2021	22	150	150	69
07/27/2021	23	150	150	65
07/27/2021	24	150	150	63
07/28/2021	1	150	150	60
07/28/2021	2	150	150	58
07/28/2021	3	150	150	56
07/28/2021	4	150	150	54
07/28/2021	5	150	150	56
07/28/2021	6	150	150	56
07/28/2021	7	150	150	55
07/28/2021	8	150	150	62
07/28/2021	9	150	150	71
07/28/2021	10	150	150	76
07/28/2021	11	150	150	78
07/28/2021	12	150	150	77
07/28/2021	13	150	150	79
07/28/2021	14	150	150	82
07/28/2021	15	150	150	80
07/28/2021	16	150	150	78
07/28/2021	17	150	150	75
07/28/2021	18	150	150	75
07/28/2021	19	150	150	78
07/28/2021	20	150	150	75
07/28/2021	21	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/28/2021	22	150	150	70
07/28/2021	23	150	150	66
07/28/2021	24	150	150	62
07/29/2021	1	150	150	58
07/29/2021	2	150	150	56
07/29/2021	3	150	150	54
07/29/2021	4	150	150	54
07/29/2021	5	150	150	56
07/29/2021	6	150	150	57
07/29/2021	7	150	150	56
07/29/2021	8	150	150	62
07/29/2021	9	150	150	71
07/29/2021	10	150	150	76
07/29/2021	11	150	150	78
07/29/2021	12	150	150	77
07/29/2021	13	150	150	79
07/29/2021	14	150	150	82
07/29/2021	15	150	150	80
07/29/2021	16	150	150	79
07/29/2021	17	150	150	74
07/29/2021	18	150	150	74
07/29/2021	19	150	150	76
07/29/2021	20	150	150	74
07/29/2021	21	150	150	72
07/29/2021	22	150	150	68
07/29/2021	23	150	150	64
07/29/2021	24	150	150	60
07/30/2021	1	150	150	58
07/30/2021	2	150	150	56
07/30/2021	3	150	150	55
07/30/2021	4	150	150	53
07/30/2021	5	150	150	54
07/30/2021	6	150	150	56
07/30/2021	7	150	150	56
07/30/2021	8	150	150	63
07/30/2021	9	150	150	70
07/30/2021	10	150	150	75
07/30/2021	11	150	150	78
07/30/2021	12	150	150	77
07/30/2021	13	150	150	78
07/30/2021	14	150	150	80
07/30/2021	15	150	150	78
07/30/2021	16	150	150	76
07/30/2021	17	150	150	72
07/30/2021	18	150	150	70
07/30/2021	19	150	150	72
07/30/2021	20	150	150	71
07/30/2021	21	150	150	69
07/30/2021	22	150	150	66
07/30/2021	23	150	150	63
07/30/2021	24	150	150	60
07/31/2021	1	150	150	59
07/31/2021	2	150	150	57
07/31/2021	3	150	150	55
07/31/2021	4	150	150	54
07/31/2021	5	150	150	55
07/31/2021	6	150	150	55
07/31/2021	7	150	150	53
07/31/2021	8	150	150	57
07/31/2021	9	150	150	59
07/31/2021	10	150	150	64
07/31/2021	11	150	150	67
07/31/2021	12	150	150	66
07/31/2021	13	150	150	69
07/31/2021	14	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/31/2021	15	150	150	71
07/31/2021	16	150	150	69
07/31/2021	17	150	150	68
07/31/2021	18	150	150	67
07/31/2021	19	150	150	74
07/31/2021	20	150	150	72
07/31/2021	21	150	150	70
07/31/2021	22	150	150	68
07/31/2021	23	150	150	65
07/31/2021	24	150	150	62
08/01/2021	1	150	150	59
08/01/2021	2	150	150	57
08/01/2021	3	150	150	55
08/01/2021	4	150	150	54
08/01/2021	5	150	150	54
08/01/2021	6	150	150	55
08/01/2021	7	150	150	52
08/01/2021	8	150	150	53
08/01/2021	9	150	150	56
08/01/2021	10	150	150	58
08/01/2021	11	150	150	61
08/01/2021	12	150	150	61
08/01/2021	13	150	150	63
08/01/2021	14	150	150	65
08/01/2021	15	150	150	64
08/01/2021	16	150	150	62
08/01/2021	17	150	150	61
08/01/2021	18	150	150	64
08/01/2021	19	150	150	69
08/01/2021	20	150	150	68
08/01/2021	21	150	150	67
08/01/2021	22	150	150	65
08/01/2021	23	150	150	62
08/01/2021	24	150	150	60
08/02/2021	1	150	150	57
08/02/2021	2	150	150	55
08/02/2021	3	150	150	53
08/02/2021	4	150	150	53
08/02/2021	5	150	150	54
08/02/2021	6	150	150	56
08/02/2021	7	150	150	56
08/02/2021	8	150	150	62
08/02/2021	9	150	150	70
08/02/2021	10	150	150	75
08/02/2021	11	150	150	77
08/02/2021	12	150	150	77
08/02/2021	13	150	150	79
08/02/2021	14	150	150	82
08/02/2021	15	150	150	80
08/02/2021	16	150	150	79
08/02/2021	17	150	150	75
08/02/2021	18	150	150	74
08/02/2021	19	150	150	77
08/02/2021	20	150	150	74
08/02/2021	21	150	150	73
08/02/2021	22	150	150	70
08/02/2021	23	150	150	65
08/02/2021	24	150	150	62
08/03/2021	1	150	150	58
08/03/2021	2	150	150	56
08/03/2021	3	150	150	55
08/03/2021	4	150	150	54
08/03/2021	5	150	150	55
08/03/2021	6	150	150	55
08/03/2021	7	150	150	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/03/2021	8	150	150	62
08/03/2021	9	150	150	69
08/03/2021	10	150	150	75
08/03/2021	11	150	150	78
08/03/2021	12	150	150	77
08/03/2021	13	150	150	80
08/03/2021	14	150	150	83
08/03/2021	15	150	150	80
08/03/2021	16	150	150	77
08/03/2021	17	150	150	73
08/03/2021	18	150	150	73
08/03/2021	19	150	150	74
08/03/2021	20	150	150	72
08/03/2021	21	150	150	69
08/03/2021	22	150	150	67
08/03/2021	23	150	150	64
08/03/2021	24	150	150	61
08/04/2021	1	150	150	58
08/04/2021	2	150	150	56
08/04/2021	3	150	150	55
08/04/2021	4	150	150	54
08/04/2021	5	150	150	55
08/04/2021	6	150	150	57
08/04/2021	7	150	150	57
08/04/2021	8	150	150	62
08/04/2021	9	150	150	70
08/04/2021	10	150	150	73
08/04/2021	11	150	150	78
08/04/2021	12	150	150	77
08/04/2021	13	150	150	80
08/04/2021	14	150	150	82
08/04/2021	15	150	150	80
08/04/2021	16	150	150	78
08/04/2021	17	150	150	75
08/04/2021	18	150	150	71
08/04/2021	19	150	150	75
08/04/2021	20	150	150	73
08/04/2021	21	150	150	72
08/04/2021	22	150	150	69
08/04/2021	23	150	150	65
08/04/2021	24	150	150	61
08/05/2021	1	150	150	58
08/05/2021	2	150	150	56
08/05/2021	3	150	150	55
08/05/2021	4	150	150	54
08/05/2021	5	150	150	55
08/05/2021	6	150	150	57
08/05/2021	7	150	150	57
08/05/2021	8	150	150	63
08/05/2021	9	150	150	72
08/05/2021	10	150	150	76
08/05/2021	11	150	150	79
08/05/2021	12	150	150	79
08/05/2021	13	150	150	81
08/05/2021	14	150	150	84
08/05/2021	15	150	150	81
08/05/2021	16	150	150	79
08/05/2021	17	150	150	74
08/05/2021	18	150	150	71
08/05/2021	19	150	150	74
08/05/2021	20	150	150	73
08/05/2021	21	150	150	72
08/05/2021	22	150	150	69
08/05/2021	23	150	150	65
08/05/2021	24	150	150	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/06/2021	1	150	150	60
08/06/2021	2	150	150	58
08/06/2021	3	150	150	55
08/06/2021	4	150	150	55
08/06/2021	5	150	150	56
08/06/2021	6	150	150	57
08/06/2021	7	150	150	57
08/06/2021	8	150	150	63
08/06/2021	9	150	150	70
08/06/2021	10	150	150	75
08/06/2021	11	150	150	78
08/06/2021	12	150	150	78
08/06/2021	13	150	150	79
08/06/2021	14	150	150	82
08/06/2021	15	150	150	80
08/06/2021	16	150	150	78
08/06/2021	17	150	150	74
08/06/2021	18	150	150	70
08/06/2021	19	150	150	72
08/06/2021	20	150	150	71
08/06/2021	21	150	150	70
08/06/2021	22	150	150	67
08/06/2021	23	150	150	63
08/06/2021	24	150	150	60
08/07/2021	1	150	113	59
08/07/2021	2	150	113	57
08/07/2021	3	150	113	54
08/07/2021	4	150	113	54
08/07/2021	5	150	113	55
08/07/2021	6	150	113	55
08/07/2021	7	150	111	53
08/07/2021	8	150	113	57
08/07/2021	9	150	122	60
08/07/2021	10	150	124	65
08/07/2021	11	150	136	70
08/07/2021	12	150	126	69
08/07/2021	13	150	134	70
08/07/2021	14	150	137	73
08/07/2021	15	150	136	71
08/07/2021	16	150	129	69
08/07/2021	17	150	136	68
08/07/2021	18	150	136	67
08/07/2021	19	150	150	74
08/07/2021	20	150	150	72
08/07/2021	21	150	150	71
08/07/2021	22	150	142	68
08/07/2021	23	150	136	64
08/07/2021	24	150	113	61
08/08/2021	1	150	150	58
08/08/2021	2	150	150	57
08/08/2021	3	150	136	54
08/08/2021	4	150	136	54
08/08/2021	5	150	136	54
08/08/2021	6	150	136	54
08/08/2021	7	150	123	52
08/08/2021	8	150	112	52
08/08/2021	9	150	120	56
08/08/2021	10	150	135	58
08/08/2021	11	150	150	61
08/08/2021	12	150	150	62
08/08/2021	13	150	150	64
08/08/2021	14	150	150	66
08/08/2021	15	150	150	64
08/08/2021	16	150	150	62
08/08/2021	17	150	150	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/08/2021	18	150	150	64
08/08/2021	19	150	150	69
08/08/2021	20	150	150	69
08/08/2021	21	150	150	67
08/08/2021	22	150	150	65
08/08/2021	23	150	150	62
08/08/2021	24	150	150	59
08/09/2021	1	150	135	57
08/09/2021	2	150	135	55
08/09/2021	3	150	135	54
08/09/2021	4	150	135	53
08/09/2021	5	150	135	55
08/09/2021	6	150	135	56
08/09/2021	7	150	135	55
08/09/2021	8	150	135	62
08/09/2021	9	150	150	70
08/09/2021	10	150	150	75
08/09/2021	11	150	150	77
08/09/2021	12	150	150	77
08/09/2021	13	150	150	79
08/09/2021	14	150	150	82
08/09/2021	15	150	150	81
08/09/2021	16	150	150	79
08/09/2021	17	150	150	74
08/09/2021	18	150	150	75
08/09/2021	19	150	150	78
08/09/2021	20	150	150	75
08/09/2021	21	150	150	73
08/09/2021	22	150	150	70
08/09/2021	23	150	150	65
08/09/2021	24	150	143	61
08/10/2021	1	150	99	57
08/10/2021	2	150	97	54
08/10/2021	3	150	96	52
08/10/2021	4	150	95	52
08/10/2021	5	150	95	54
08/10/2021	6	150	98	55
08/10/2021	7	150	100	55
08/10/2021	8	150	102	61
08/10/2021	9	150	126	68
08/10/2021	10	150	136	73
08/10/2021	11	150	150	78
08/10/2021	12	150	150	77
08/10/2021	13	150	150	78
08/10/2021	14	150	150	81
08/10/2021	15	150	150	79
08/10/2021	16	150	150	77
08/10/2021	17	150	136	72
08/10/2021	18	150	126	70
08/10/2021	19	150	146	74
08/10/2021	20	150	138	72
08/10/2021	21	150	136	71
08/10/2021	22	150	133	69
08/10/2021	23	150	123	64
08/10/2021	24	150	108	58
08/11/2021	1	150	102	54
08/11/2021	2	150	101	52
08/11/2021	3	150	98	50
08/11/2021	4	150	97	49
08/11/2021	5	150	97	52
08/11/2021	6	150	101	54
08/11/2021	7	150	102	53
08/11/2021	8	150	105	58
08/11/2021	9	150	136	67
08/11/2021	10	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/11/2021	11	150	150	77
08/11/2021	12	150	150	76
08/11/2021	13	150	150	77
08/11/2021	14	150	150	79
08/11/2021	15	150	150	77
08/11/2021	16	150	150	74
08/11/2021	17	150	150	72
08/11/2021	18	150	136	70
08/11/2021	19	150	150	72
08/11/2021	20	150	132	69
08/11/2021	21	150	130	67
08/11/2021	22	150	126	63
08/11/2021	23	150	124	59
08/11/2021	24	150	111	55
08/12/2021	1	148	102	55
08/12/2021	2	148	101	53
08/12/2021	3	148	98	52
08/12/2021	4	148	97	51
08/12/2021	5	148	97	52
08/12/2021	6	148	101	56
08/12/2021	7	148	102	57
08/12/2021	8	148	105	61
08/12/2021	9	148	141	67
08/12/2021	10	148	139	72
08/12/2021	11	148	139	75
08/12/2021	12	148	130	74
08/12/2021	13	148	130	75
08/12/2021	14	150	150	78
08/12/2021	15	150	150	77
08/12/2021	16	148	144	75
08/12/2021	17	148	130	71
08/12/2021	18	148	126	70
08/12/2021	19	150	150	74
08/12/2021	20	150	150	72
08/12/2021	21	148	138	70
08/12/2021	22	148	124	66
08/12/2021	23	148	122	62
08/12/2021	24	148	111	59
08/13/2021	1	148	128	58
08/13/2021	2	148	101	55
08/13/2021	3	148	101	54
08/13/2021	4	148	98	52
08/13/2021	5	147	113	54
08/13/2021	6	147	112	56
08/13/2021	7	147	101	56
08/13/2021	8	148	134	61
08/13/2021	9	150	148	69
08/13/2021	10	150	148	74
08/13/2021	11	150	150	78
08/13/2021	12	150	149	77
08/13/2021	13	150	150	77
08/13/2021	14	150	150	80
08/13/2021	15	150	150	78
08/13/2021	16	150	148	77
08/13/2021	17	150	147	71
08/13/2021	18	150	147	72
08/13/2021	19	150	150	74
08/13/2021	20	150	150	72
08/13/2021	21	150	148	70
08/13/2021	22	150	148	67
08/13/2021	23	148	136	63
08/13/2021	24	148	130	61
08/14/2021	1	150	128	58
08/14/2021	2	150	112	56
08/14/2021	3	150	108	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/14/2021	4	150	104	54
08/14/2021	5	150	118	55
08/14/2021	6	150	103	56
08/14/2021	7	150	101	54
08/14/2021	8	150	102	57
08/14/2021	9	150	122	61
08/14/2021	10	150	123	65
08/14/2021	11	150	136	69
08/14/2021	12	150	127	69
08/14/2021	13	150	136	70
08/14/2021	14	150	136	73
08/14/2021	15	150	131	72
08/14/2021	16	150	124	70
08/14/2021	17	150	146	68
08/14/2021	18	150	150	68
08/14/2021	19	150	150	73
08/14/2021	20	150	150	72
08/14/2021	21	150	150	71
08/14/2021	22	150	150	68
08/14/2021	23	150	150	64
08/14/2021	24	150	136	61
08/15/2021	1	150	128	58
08/15/2021	2	150	123	56
08/15/2021	3	150	113	54
08/15/2021	4	150	113	53
08/15/2021	5	150	113	54
08/15/2021	6	150	113	54
08/15/2021	7	150	113	52
08/15/2021	8	150	113	52
08/15/2021	9	150	120	55
08/15/2021	10	150	121	58
08/15/2021	11	150	148	61
08/15/2021	12	150	137	62
08/15/2021	13	150	150	64
08/15/2021	14	150	150	66
08/15/2021	15	150	150	65
08/15/2021	16	150	145	62
08/15/2021	17	150	150	62
08/15/2021	18	150	150	64
08/15/2021	19	150	150	69
08/15/2021	20	150	150	69
08/15/2021	21	150	150	67
08/15/2021	22	150	150	65
08/15/2021	23	150	150	62
08/15/2021	24	150	123	59
08/16/2021	1	150	136	55
08/16/2021	2	150	136	53
08/16/2021	3	150	136	52
08/16/2021	4	150	136	51
08/16/2021	5	150	136	53
08/16/2021	6	150	136	55
08/16/2021	7	150	136	55
08/16/2021	8	150	150	62
08/16/2021	9	150	150	69
08/16/2021	10	150	150	74
08/16/2021	11	150	150	77
08/16/2021	12	150	150	77
08/16/2021	13	150	150	77
08/16/2021	14	150	150	80
08/16/2021	15	150	150	79
08/16/2021	16	150	150	77
08/16/2021	17	150	150	73
08/16/2021	18	150	150	74
08/16/2021	19	150	150	77
08/16/2021	20	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/16/2021	21	150	150	73
08/16/2021	22	150	150	69
08/16/2021	23	150	150	64
08/16/2021	24	150	150	60
08/17/2021	1	150	120	57
08/17/2021	2	150	113	55
08/17/2021	3	150	106	54
08/17/2021	4	150	98	52
08/17/2021	5	150	118	54
08/17/2021	6	150	110	56
08/17/2021	7	150	112	56
08/17/2021	8	150	136	62
08/17/2021	9	150	136	68
08/17/2021	10	150	137	73
08/17/2021	11	150	141	77
08/17/2021	12	150	136	77
08/17/2021	13	150	146	78
08/17/2021	14	150	150	80
08/17/2021	15	150	147	78
08/17/2021	16	150	136	74
08/17/2021	17	150	136	70
08/17/2021	18	150	150	72
08/17/2021	19	150	150	73
08/17/2021	20	150	136	70
08/17/2021	21	150	136	69
08/17/2021	22	150	127	65
08/17/2021	23	150	123	61
08/17/2021	24	150	111	57
08/18/2021	1	150	119	58
08/18/2021	2	150	104	55
08/18/2021	3	150	108	55
08/18/2021	4	150	94	53
08/18/2021	5	150	113	55
08/18/2021	6	150	111	56
08/18/2021	7	150	101	56
08/18/2021	8	150	133	62
08/18/2021	9	150	136	69
08/18/2021	10	150	150	73
08/18/2021	11	150	150	77
08/18/2021	12	150	150	76
08/18/2021	13	150	150	78
08/18/2021	14	150	150	80
08/18/2021	15	150	150	78
08/18/2021	16	150	150	77
08/18/2021	17	150	150	73
08/18/2021	18	150	150	72
08/18/2021	19	150	150	73
08/18/2021	20	150	150	72
08/18/2021	21	150	133	69
08/18/2021	22	150	127	66
08/18/2021	23	150	126	63
08/18/2021	24	150	111	58
08/19/2021	1	150	99	57
08/19/2021	2	150	98	55
08/19/2021	3	150	96	53
08/19/2021	4	150	94	52
08/19/2021	5	150	95	54
08/19/2021	6	150	100	56
08/19/2021	7	150	101	55
08/19/2021	8	150	104	61
08/19/2021	9	150	136	69
08/19/2021	10	150	138	73
08/19/2021	11	150	150	77
08/19/2021	12	150	150	77
08/19/2021	13	150	150	78

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/19/2021	14	150	150	81
08/19/2021	15	150	150	79
08/19/2021	16	150	150	77
08/19/2021	17	150	148	73
08/19/2021	18	150	136	71
08/19/2021	19	150	143	73
08/19/2021	20	150	133	72
08/19/2021	21	150	132	69
08/19/2021	22	150	127	66
08/19/2021	23	150	124	63
08/19/2021	24	150	111	59
08/20/2021	1	150	112	58
08/20/2021	2	150	99	55
08/20/2021	3	150	97	53
08/20/2021	4	150	96	53
08/20/2021	5	150	96	53
08/20/2021	6	150	98	54
08/20/2021	7	150	100	54
08/20/2021	8	150	118	60
08/20/2021	9	150	136	68
08/20/2021	10	150	150	73
08/20/2021	11	150	150	77
08/20/2021	12	150	150	76
08/20/2021	13	150	150	77
08/20/2021	14	150	150	79
08/20/2021	15	150	150	78
08/20/2021	16	150	150	76
08/20/2021	17	150	150	72
08/20/2021	18	150	150	71
08/20/2021	19	150	150	73
08/20/2021	20	150	150	72
08/20/2021	21	150	140	70
08/20/2021	22	150	136	67
08/20/2021	23	150	123	62
08/20/2021	24	150	111	60
08/21/2021	1	150	118	57
08/21/2021	2	150	105	55
08/21/2021	3	150	95	53
08/21/2021	4	150	94	52
08/21/2021	5	150	113	54
08/21/2021	6	150	102	55
08/21/2021	7	150	96	55
08/21/2021	8	150	96	55
08/21/2021	9	150	130	60
08/21/2021	10	150	127	65
08/21/2021	11	150	145	69
08/21/2021	12	150	134	69
08/21/2021	13	150	145	70
08/21/2021	14	150	138	72
08/21/2021	15	150	138	70
08/21/2021	16	150	138	68
08/21/2021	17	150	135	65
08/21/2021	18	150	145	67
08/21/2021	19	150	150	73
08/21/2021	20	150	150	71
08/21/2021	21	150	136	67
08/21/2021	22	150	121	63
08/21/2021	23	150	120	59
08/21/2021	24	150	104	56
08/22/2021	1	150	112	57
08/22/2021	2	150	111	54
08/22/2021	3	150	95	52
08/22/2021	4	150	95	51
08/22/2021	5	150	95	51
08/22/2021	6	150	95	51

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/22/2021	7	150	94	50
08/22/2021	8	150	94	51
08/22/2021	9	150	100	51
08/22/2021	10	150	103	54
08/22/2021	11	150	118	57
08/22/2021	12	150	120	57
08/22/2021	13	150	119	60
08/22/2021	14	150	120	63
08/22/2021	15	150	120	61
08/22/2021	16	150	120	61
08/22/2021	17	150	118	60
08/22/2021	18	150	123	63
08/22/2021	19	150	138	68
08/22/2021	20	150	136	67
08/22/2021	21	150	130	65
08/22/2021	22	150	125	64
08/22/2021	23	150	122	61
08/22/2021	24	150	113	57
08/23/2021	1	150	97	55
08/23/2021	2	150	97	53
08/23/2021	3	150	96	51
08/23/2021	4	150	95	51
08/23/2021	5	150	97	52
08/23/2021	6	150	117	55
08/23/2021	7	150	102	54
08/23/2021	8	150	136	61
08/23/2021	9	150	150	69
08/23/2021	10	150	150	74
08/23/2021	11	150	150	77
08/23/2021	12	150	150	76
08/23/2021	13	150	150	78
08/23/2021	14	150	150	81
08/23/2021	15	150	150	79
08/23/2021	16	150	150	78
08/23/2021	17	150	150	74
08/23/2021	18	150	150	72
08/23/2021	19	150	150	75
08/23/2021	20	150	150	73
08/23/2021	21	150	150	72
08/23/2021	22	150	150	68
08/23/2021	23	150	150	64
08/23/2021	24	150	136	60
08/24/2021	1	150	104	58
08/24/2021	2	150	101	56
08/24/2021	3	150	99	54
08/24/2021	4	150	96	53
08/24/2021	5	150	106	54
08/24/2021	6	150	106	56
08/24/2021	7	150	106	55
08/24/2021	8	150	113	62
08/24/2021	9	150	121	69
08/24/2021	10	150	124	73
08/24/2021	11	150	132	77
08/24/2021	12	150	127	77
08/24/2021	13	150	127	77
08/24/2021	14	150	137	80
08/24/2021	15	150	137	79
08/24/2021	16	150	136	77
08/24/2021	17	150	128	73
08/24/2021	18	150	123	72
08/24/2021	19	150	127	72
08/24/2021	20	150	130	71
08/24/2021	21	150	128	69
08/24/2021	22	150	124	65
08/24/2021	23	150	120	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/24/2021	24	150	112	58
08/25/2021	1	150	99	54
08/25/2021	2	150	98	53
08/25/2021	3	150	96	51
08/25/2021	4	150	94	50
08/25/2021	5	150	98	52
08/25/2021	6	150	100	55
08/25/2021	7	150	101	54
08/25/2021	8	150	113	61
08/25/2021	9	150	121	69
08/25/2021	10	150	127	73
08/25/2021	11	150	132	77
08/25/2021	12	150	135	77
08/25/2021	13	150	133	78
08/25/2021	14	150	150	81
08/25/2021	15	150	148	80
08/25/2021	16	150	132	77
08/25/2021	17	150	128	73
08/25/2021	18	150	125	72
08/25/2021	19	150	131	73
08/25/2021	20	150	133	72
08/25/2021	21	150	132	69
08/25/2021	22	150	127	66
08/25/2021	23	150	121	61
08/25/2021	24	150	97	57
08/26/2021	1	150	99	55
08/26/2021	2	150	98	53
08/26/2021	3	150	96	52
08/26/2021	4	150	94	51
08/26/2021	5	150	95	53
08/26/2021	6	150	100	55
08/26/2021	7	150	101	55
08/26/2021	8	150	104	60
08/26/2021	9	150	122	67
08/26/2021	10	150	127	73
08/26/2021	11	150	136	77
08/26/2021	12	150	135	76
08/26/2021	13	150	149	78
08/26/2021	14	150	150	81
08/26/2021	15	150	150	79
08/26/2021	16	150	150	77
08/26/2021	17	150	128	72
08/26/2021	18	150	125	71
08/26/2021	19	150	131	72
08/26/2021	20	150	133	71
08/26/2021	21	150	132	69
08/26/2021	22	150	127	66
08/26/2021	23	150	122	62
08/26/2021	24	150	104	58
08/27/2021	1	150	98	54
08/27/2021	2	150	98	53
08/27/2021	3	150	98	51
08/27/2021	4	150	98	51
08/27/2021	5	150	98	53
08/27/2021	6	150	98	55
08/27/2021	7	150	98	54
08/27/2021	8	150	100	60
08/27/2021	9	150	120	67
08/27/2021	10	150	123	72
08/27/2021	11	150	123	76
08/27/2021	12	150	124	76
08/27/2021	13	150	123	77
08/27/2021	14	150	125	79
08/27/2021	15	150	125	78
08/27/2021	16	150	125	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/27/2021	17	150	123	72
08/27/2021	18	150	124	71
08/27/2021	19	150	125	73
08/27/2021	20	150	126	70
08/27/2021	21	150	123	68
08/27/2021	22	150	123	64
08/27/2021	23	150	121	60
08/27/2021	24	150	113	58
08/28/2021	1	150	98	53
08/28/2021	2	150	98	52
08/28/2021	3	150	98	51
08/28/2021	4	150	94	50
08/28/2021	5	150	98	52
08/28/2021	6	150	98	53
08/28/2021	7	150	94	52
08/28/2021	8	150	98	55
08/28/2021	9	150	114	60
08/28/2021	10	150	116	65
08/28/2021	11	150	117	69
08/28/2021	12	150	118	69
08/28/2021	13	150	117	70
08/28/2021	14	150	118	71
08/28/2021	15	150	117	70
08/28/2021	16	150	117	67
08/28/2021	17	150	118	65
08/28/2021	18	150	120	66
08/28/2021	19	150	121	71
08/28/2021	20	150	121	69
08/28/2021	21	150	120	66
08/28/2021	22	150	118	62
08/28/2021	23	150	116	59
08/28/2021	24	150	92	56
08/29/2021	1	150	100	52
08/29/2021	2	150	100	51
08/29/2021	3	150	100	49
08/29/2021	4	143	100	48
08/29/2021	5	150	100	49
08/29/2021	6	150	100	50
08/29/2021	7	145	100	49
08/29/2021	8	133	100	50
08/29/2021	9	150	115	52
08/29/2021	10	150	116	54
08/29/2021	11	150	116	57
08/29/2021	12	150	117	57
08/29/2021	13	150	117	60
08/29/2021	14	150	118	62
08/29/2021	15	150	117	61
08/29/2021	16	150	117	60
08/29/2021	17	150	118	59
08/29/2021	18	150	122	63
08/29/2021	19	150	125	66
08/29/2021	20	150	121	65
08/29/2021	21	150	121	63
08/29/2021	22	150	118	61
08/29/2021	23	150	116	57
08/29/2021	24	150	104	54
08/30/2021	1	150	97	53
08/30/2021	2	150	97	52
08/30/2021	3	150	96	50
08/30/2021	4	150	96	50
08/30/2021	5	150	96	51
08/30/2021	6	150	96	53
08/30/2021	7	150	96	52
08/30/2021	8	150	100	55
08/30/2021	9	150	115	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

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<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/30/2021	10	150	116	65
08/30/2021	11	150	116	69
08/30/2021	12	150	117	69
08/30/2021	13	150	125	71
08/30/2021	14	150	125	75
08/30/2021	15	150	125	74
08/30/2021	16	150	125	71
08/30/2021	17	150	118	67
08/30/2021	18	150	118	67
08/30/2021	19	150	121	69
08/30/2021	20	150	121	68
08/30/2021	21	150	121	65
08/30/2021	22	150	118	62
08/30/2021	23	150	116	59
08/30/2021	24	150	101	55
08/31/2021	1	150	112	54
08/31/2021	2	150	112	52
08/31/2021	3	150	112	51
08/31/2021	4	150	112	50
08/31/2021	5	150	112	52
08/31/2021	6	150	112	55
08/31/2021	7	150	112	54
08/31/2021	8	150	119	59
08/31/2021	9	150	145	67
08/31/2021	10	150	150	72
08/31/2021	11	150	150	76
08/31/2021	12	150	150	76
08/31/2021	13	150	150	78
08/31/2021	14	150	150	81
08/31/2021	15	150	150	79
08/31/2021	16	150	150	76
08/31/2021	17	150	150	72
08/31/2021	18	150	150	72
08/31/2021	19	150	150	72
08/31/2021	20	150	133	70
08/31/2021	21	150	128	67
08/31/2021	22	150	118	63
08/31/2021	23	150	116	60
08/31/2021	24	150	112	56
09/01/2021	1	111	107	53
09/01/2021	2	107	107	52
09/01/2021	3	107	107	50
09/01/2021	4	107	107	50
09/01/2021	5	121	107	52
09/01/2021	6	150	107	55
09/01/2021	7	127	107	54
09/01/2021	8	150	107	59
09/01/2021	9	150	121	67
09/01/2021	10	150	124	73
09/01/2021	11	150	140	77
09/01/2021	12	150	135	77
09/01/2021	13	150	136	77
09/01/2021	14	150	150	80
09/01/2021	15	150	150	78
09/01/2021	16	150	136	76
09/01/2021	17	150	133	72
09/01/2021	18	150	135	72
09/01/2021	19	150	135	74
09/01/2021	20	150	124	71
09/01/2021	21	150	122	68
09/01/2021	22	150	119	64
09/01/2021	23	150	116	60
09/01/2021	24	150	109	57
09/02/2021	1	150	100	55
09/02/2021	2	150	98	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/02/2021	3	150	95	51
09/02/2021	4	150	94	50
09/02/2021	5	150	94	52
09/02/2021	6	150	98	54
09/02/2021	7	150	99	54
09/02/2021	8	150	100	59
09/02/2021	9	150	119	66
09/02/2021	10	150	135	72
09/02/2021	11	150	136	76
09/02/2021	12	150	136	76
09/02/2021	13	150	150	77
09/02/2021	14	150	150	80
09/02/2021	15	150	150	78
09/02/2021	16	150	130	75
09/02/2021	17	150	124	72
09/02/2021	18	150	129	72
09/02/2021	19	150	124	72
09/02/2021	20	150	123	70
09/02/2021	21	150	121	68
09/02/2021	22	150	120	65
09/02/2021	23	150	118	61
09/02/2021	24	150	106	58
09/03/2021	1	141	100	53
09/03/2021	2	147	100	52
09/03/2021	3	100	100	49
09/03/2021	4	109	100	49
09/03/2021	5	137	100	50
09/03/2021	6	146	100	52
09/03/2021	7	150	100	53
09/03/2021	8	150	100	59
09/03/2021	9	150	120	67
09/03/2021	10	150	121	72
09/03/2021	11	150	128	75
09/03/2021	12	150	123	75
09/03/2021	13	150	136	76
09/03/2021	14	150	145	78
09/03/2021	15	150	146	77
09/03/2021	16	150	124	74
09/03/2021	17	150	123	71
09/03/2021	18	150	124	71
09/03/2021	19	150	124	71
09/03/2021	20	150	123	69
09/03/2021	21	150	121	67
09/03/2021	22	150	120	63
09/03/2021	23	150	118	60
09/03/2021	24	137	118	56
09/04/2021	1	150	100	55
09/04/2021	2	150	100	52
09/04/2021	3	150	100	52
09/04/2021	4	137	100	50
09/04/2021	5	150	100	52
09/04/2021	6	150	112	54
09/04/2021	7	144	112	53
09/04/2021	8	148	112	54
09/04/2021	9	150	115	58
09/04/2021	10	150	119	60
09/04/2021	11	150	120	63
09/04/2021	12	150	121	64
09/04/2021	13	150	121	65
09/04/2021	14	150	121	66
09/04/2021	15	150	121	67
09/04/2021	16	145	120	68
09/04/2021	17	146	120	66
09/04/2021	18	137	123	68
09/04/2021	19	132	132	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/04/2021	20	131	131	67
09/04/2021	21	128	128	65
09/04/2021	22	125	125	62
09/04/2021	23	140	140	58
09/04/2021	24	123	123	56
09/05/2021	1	109	109	53
09/05/2021	2	106	106	51
09/05/2021	3	104	104	50
09/05/2021	4	102	102	48
09/05/2021	5	102	102	49
09/05/2021	6	102	102	50
09/05/2021	7	101	101	49
09/05/2021	8	97	97	50
09/05/2021	9	98	98	52
09/05/2021	10	115	115	54
09/05/2021	11	119	119	57
09/05/2021	12	120	120	61
09/05/2021	13	128	128	62
09/05/2021	14	133	133	62
09/05/2021	15	141	141	62
09/05/2021	16	134	134	59
09/05/2021	17	131	131	58
09/05/2021	18	130	130	64
09/05/2021	19	133	133	66
09/05/2021	20	131	131	64
09/05/2021	21	131	131	63
09/05/2021	22	128	128	61
09/05/2021	23	135	135	57
09/05/2021	24	119	119	54
09/06/2021	1	117	117	52
09/06/2021	2	113	112	51
09/06/2021	3	101	100	49
09/06/2021	4	101	100	48
09/06/2021	5	112	112	50
09/06/2021	6	114	114	52
09/06/2021	7	113	113	53
09/06/2021	8	114	114	58
09/06/2021	9	121	121	66
09/06/2021	10	144	143	73
09/06/2021	11	150	150	76
09/06/2021	12	136	136	76
09/06/2021	13	150	150	77
09/06/2021	14	136	136	77
09/06/2021	15	143	142	77
09/06/2021	16	142	142	76
09/06/2021	17	150	136	72
09/06/2021	18	150	136	71
09/06/2021	19	134	134	73
09/06/2021	20	136	136	72
09/06/2021	21	122	122	69
09/06/2021	22	118	118	65
09/06/2021	23	130	130	61
09/06/2021	24	115	115	58
09/07/2021	1	150	133	54
09/07/2021	2	133	132	52
09/07/2021	3	129	128	51
09/07/2021	4	126	125	50
09/07/2021	5	147	147	52
09/07/2021	6	150	150	55
09/07/2021	7	150	150	55
09/07/2021	8	150	150	59
09/07/2021	9	150	150	68
09/07/2021	10	150	150	72
09/07/2021	11	150	150	76
09/07/2021	12	150	150	75

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/07/2021	13	150	150	77
09/07/2021	14	150	150	79
09/07/2021	15	150	150	78
09/07/2021	16	150	150	74
09/07/2021	17	150	150	72
09/07/2021	18	150	150	70
09/07/2021	19	150	150	72
09/07/2021	20	150	150	71
09/07/2021	21	150	150	69
09/07/2021	22	150	150	65
09/07/2021	23	150	150	61
09/07/2021	24	144	144	58
09/08/2021	1	150	150	55
09/08/2021	2	150	150	53
09/08/2021	3	150	150	52
09/08/2021	4	143	142	50
09/08/2021	5	150	150	51
09/08/2021	6	150	150	54
09/08/2021	7	150	150	54
09/08/2021	8	150	150	59
09/08/2021	9	150	150	66
09/08/2021	10	150	150	70
09/08/2021	11	150	150	74
09/08/2021	12	150	150	75
09/08/2021	13	150	150	76
09/08/2021	14	150	150	76
09/08/2021	15	150	150	75
09/08/2021	16	150	150	73
09/08/2021	17	150	150	71
09/08/2021	18	150	150	70
09/08/2021	19	150	150	69
09/08/2021	20	150	150	67
09/08/2021	21	150	150	65
09/08/2021	22	150	150	61
09/08/2021	23	150	150	59
09/08/2021	24	150	150	55
09/09/2021	1	115	115	52
09/09/2021	2	115	115	50
09/09/2021	3	110	110	48
09/09/2021	4	112	111	48
09/09/2021	5	115	115	49
09/09/2021	6	115	115	52
09/09/2021	7	115	115	53
09/09/2021	8	139	139	57
09/09/2021	9	145	145	64
09/09/2021	10	138	138	68
09/09/2021	11	142	142	71
09/09/2021	12	145	145	71
09/09/2021	13	141	141	72
09/09/2021	14	145	145	74
09/09/2021	15	135	135	72
09/09/2021	16	135	135	70
09/09/2021	17	145	145	69
09/09/2021	18	150	150	70
09/09/2021	19	137	137	69
09/09/2021	20	132	131	68
09/09/2021	21	117	117	64
09/09/2021	22	117	117	61
09/09/2021	23	115	115	57
09/09/2021	24	115	115	55
09/10/2021	1	115	115	53
09/10/2021	2	115	115	52
09/10/2021	3	115	115	50
09/10/2021	4	115	115	49
09/10/2021	5	115	115	50

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/10/2021	6	115	115	52
09/10/2021	7	115	115	53
09/10/2021	8	120	120	56
09/10/2021	9	140	140	66
09/10/2021	10	130	130	69
09/10/2021	11	126	126	74
09/10/2021	12	128	128	73
09/10/2021	13	128	128	74
09/10/2021	14	139	139	76
09/10/2021	15	134	134	76
09/10/2021	16	132	132	72
09/10/2021	17	128	128	70
09/10/2021	18	128	128	70
09/10/2021	19	132	132	70
09/10/2021	20	129	129	68
09/10/2021	21	126	126	66
09/10/2021	22	120	120	62
09/10/2021	23	115	115	58
09/10/2021	24	115	115	56
09/11/2021	1	119	119	54
09/11/2021	2	117	117	53
09/11/2021	3	115	115	51
09/11/2021	4	113	113	50
09/11/2021	5	114	114	52
09/11/2021	6	116	116	53
09/11/2021	7	113	113	52
09/11/2021	8	117	117	54
09/11/2021	9	133	133	61
09/11/2021	10	124	124	66
09/11/2021	11	121	121	68
09/11/2021	12	121	121	68
09/11/2021	13	121	121	70
09/11/2021	14	134	134	69
09/11/2021	15	129	129	69
09/11/2021	16	127	127	68
09/11/2021	17	125	125	66
09/11/2021	18	127	127	70
09/11/2021	19	131	131	71
09/11/2021	20	129	129	68
09/11/2021	21	124	124	66
09/11/2021	22	121	121	62
09/11/2021	23	135	135	58
09/11/2021	24	120	120	56
09/12/2021	1	119	119	53
09/12/2021	2	117	117	52
09/12/2021	3	113	112	50
09/12/2021	4	104	103	49
09/12/2021	5	109	108	49
09/12/2021	6	112	112	50
09/12/2021	7	107	107	50
09/12/2021	8	107	106	51
09/12/2021	9	121	121	53
09/12/2021	10	122	122	54
09/12/2021	11	125	125	58
09/12/2021	12	126	126	58
09/12/2021	13	120	120	59
09/12/2021	14	125	125	59
09/12/2021	15	127	127	59
09/12/2021	16	127	127	57
09/12/2021	17	126	126	58
09/12/2021	18	120	120	64
09/12/2021	19	129	129	66
09/12/2021	20	127	127	64
09/12/2021	21	126	126	62
09/12/2021	22	125	125	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/12/2021	23	130	130	56
09/12/2021	24	114	114	53
09/13/2021	1	120	120	52
09/13/2021	2	107	107	50
09/13/2021	3	107	107	49
09/13/2021	4	107	107	48
09/13/2021	5	111	111	50
09/13/2021	6	113	113	52
09/13/2021	7	115	115	53
09/13/2021	8	118	118	57
09/13/2021	9	138	138	64
09/13/2021	10	126	126	69
09/13/2021	11	136	136	73
09/13/2021	12	129	128	73
09/13/2021	13	136	136	74
09/13/2021	14	136	136	76
09/13/2021	15	134	133	75
09/13/2021	16	128	128	73
09/13/2021	17	123	123	70
09/13/2021	18	136	136	70
09/13/2021	19	127	127	70
09/13/2021	20	124	124	68
09/13/2021	21	122	122	66
09/13/2021	22	119	119	62
09/13/2021	23	130	130	58
09/13/2021	24	110	110	54
09/14/2021	1	150	150	53
09/14/2021	2	150	150	51
09/14/2021	3	143	143	50
09/14/2021	4	141	141	49
09/14/2021	5	150	150	51
09/14/2021	6	150	150	53
09/14/2021	7	150	150	53
09/14/2021	8	150	150	58
09/14/2021	9	150	150	66
09/14/2021	10	150	150	71
09/14/2021	11	150	150	74
09/14/2021	12	150	150	74
09/14/2021	13	150	150	75
09/14/2021	14	150	150	78
09/14/2021	15	150	150	76
09/14/2021	16	150	150	74
09/14/2021	17	150	150	70
09/14/2021	18	150	150	70
09/14/2021	19	150	150	72
09/14/2021	20	150	150	70
09/14/2021	21	150	150	68
09/14/2021	22	150	150	64
09/14/2021	23	150	150	60
09/14/2021	24	150	150	57
09/15/2021	1	150	150	54
09/15/2021	2	150	150	52
09/15/2021	3	150	142	51
09/15/2021	4	150	130	50
09/15/2021	5	150	150	52
09/15/2021	6	150	150	54
09/15/2021	7	150	150	54
09/15/2021	8	150	150	58
09/15/2021	9	150	150	67
09/15/2021	10	150	150	70
09/15/2021	11	150	150	75
09/15/2021	12	150	150	74
09/15/2021	13	150	150	74
09/15/2021	14	150	150	77
09/15/2021	15	150	150	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/15/2021	16	150	150	74
09/15/2021	17	150	150	70
09/15/2021	18	150	150	71
09/15/2021	19	150	150	70
09/15/2021	20	150	150	68
09/15/2021	21	150	150	66
09/15/2021	22	150	150	62
09/15/2021	23	150	150	59
09/15/2021	24	150	149	56
09/16/2021	1	117	117	52
09/16/2021	2	114	114	51
09/16/2021	3	112	112	50
09/16/2021	4	111	111	49
09/16/2021	5	111	111	51
09/16/2021	6	115	115	53
09/16/2021	7	116	116	53
09/16/2021	8	119	119	58
09/16/2021	9	137	137	66
09/16/2021	10	130	130	71
09/16/2021	11	128	128	75
09/16/2021	12	129	129	74
09/16/2021	13	128	128	75
09/16/2021	14	138	138	77
09/16/2021	15	135	135	76
09/16/2021	16	133	133	74
09/16/2021	17	129	129	70
09/16/2021	18	129	129	71
09/16/2021	19	133	133	70
09/16/2021	20	131	131	69
09/16/2021	21	128	128	66
09/16/2021	22	126	126	62
09/16/2021	23	136	136	58
09/16/2021	24	120	120	55
09/17/2021	1	120	120	54
09/17/2021	2	117	117	53
09/17/2021	3	114	114	50
09/17/2021	4	113	113	50
09/17/2021	5	112	112	51
09/17/2021	6	117	117	54
09/17/2021	7	117	117	54
09/17/2021	8	121	121	59
09/17/2021	9	140	140	67
09/17/2021	10	133	133	72
09/17/2021	11	131	131	76
09/17/2021	12	129	129	74
09/17/2021	13	129	129	76
09/17/2021	14	143	143	79
09/17/2021	15	137	137	77
09/17/2021	16	135	135	74
09/17/2021	17	130	130	71
09/17/2021	18	136	136	72
09/17/2021	19	136	136	72
09/17/2021	20	132	132	71
09/17/2021	21	130	130	68
09/17/2021	22	126	126	64
09/17/2021	23	138	138	61
09/17/2021	24	122	122	57
09/18/2021	1	150	150	55
09/18/2021	2	150	150	53
09/18/2021	3	150	150	51
09/18/2021	4	150	150	51
09/18/2021	5	150	150	53
09/18/2021	6	150	150	54
09/18/2021	7	150	150	53
09/18/2021	8	150	150	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/18/2021	9	150	150	61
09/18/2021	10	150	150	64
09/18/2021	11	150	150	68
09/18/2021	12	150	150	67
09/18/2021	13	150	150	69
09/18/2021	14	150	150	70
09/18/2021	15	150	150	70
09/18/2021	16	150	150	68
09/18/2021	17	150	150	66
09/18/2021	18	150	150	70
09/18/2021	19	150	150	71
09/18/2021	20	150	150	68
09/18/2021	21	150	150	65
09/18/2021	22	150	150	62
09/18/2021	23	150	150	58
09/18/2021	24	150	150	56
09/19/2021	1	115	115	53
09/19/2021	2	115	115	52
09/19/2021	3	115	115	50
09/19/2021	4	115	115	49
09/19/2021	5	115	115	50
09/19/2021	6	115	115	50
09/19/2021	7	112	112	49
09/19/2021	8	112	112	50
09/19/2021	9	115	115	51
09/19/2021	10	115	115	54
09/19/2021	11	115	115	57
09/19/2021	12	115	115	57
09/19/2021	13	117	117	58
09/19/2021	14	119	116	58
09/19/2021	15	118	118	57
09/19/2021	16	118	115	56
09/19/2021	17	118	118	58
09/19/2021	18	150	150	64
09/19/2021	19	135	134	66
09/19/2021	20	137	137	66
09/19/2021	21	119	119	63
09/19/2021	22	117	117	60
09/19/2021	23	115	115	56
09/19/2021	24	115	115	54
09/20/2021	1	133	133	52
09/20/2021	2	123	123	50
09/20/2021	3	122	121	49
09/20/2021	4	118	118	48
09/20/2021	5	148	147	50
09/20/2021	6	150	150	52
09/20/2021	7	150	150	53
09/20/2021	8	150	150	58
09/20/2021	9	150	150	65
09/20/2021	10	150	150	70
09/20/2021	11	150	150	73
09/20/2021	12	150	150	74
09/20/2021	13	150	150	75
09/20/2021	14	150	150	76
09/20/2021	15	150	150	76
09/20/2021	16	150	150	72
09/20/2021	17	150	150	69
09/20/2021	18	150	150	70
09/20/2021	19	150	150	68
09/20/2021	20	150	150	67
09/20/2021	21	150	150	65
09/20/2021	22	150	150	61
09/20/2021	23	150	150	57
09/20/2021	24	146	145	54
09/21/2021	1	129	128	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/21/2021	2	120	120	51
09/21/2021	3	122	122	50
09/21/2021	4	128	127	49
09/21/2021	5	137	137	51
09/21/2021	6	133	132	53
09/21/2021	7	121	120	53
09/21/2021	8	124	124	58
09/21/2021	9	150	150	64
09/21/2021	10	150	150	70
09/21/2021	11	150	150	73
09/21/2021	12	150	150	74
09/21/2021	13	150	150	76
09/21/2021	14	150	150	78
09/21/2021	15	150	150	76
09/21/2021	16	150	150	73
09/21/2021	17	150	150	70
09/21/2021	18	150	150	71
09/21/2021	19	150	150	70
09/21/2021	20	150	150	69
09/21/2021	21	150	150	65
09/21/2021	22	150	150	62
09/21/2021	23	150	150	59
09/21/2021	24	129	128	55
09/22/2021	1	115	115	50
09/22/2021	2	115	115	50
09/22/2021	3	115	115	48
09/22/2021	4	115	115	48
09/22/2021	5	115	115	49
09/22/2021	6	120	120	52
09/22/2021	7	120	120	52
09/22/2021	8	138	138	58
09/22/2021	9	150	150	64
09/22/2021	10	150	150	68
09/22/2021	11	150	150	71
09/22/2021	12	150	150	71
09/22/2021	13	150	150	72
09/22/2021	14	150	150	76
09/22/2021	15	150	150	74
09/22/2021	16	150	150	72
09/22/2021	17	150	150	69
09/22/2021	18	150	150	72
09/22/2021	19	132	132	69
09/22/2021	20	130	130	68
09/22/2021	21	115	115	64
09/22/2021	22	115	115	60
09/22/2021	23	115	115	56
09/22/2021	24	115	115	54
09/23/2021	1	142	141	52
09/23/2021	2	146	145	51
09/23/2021	3	135	134	49
09/23/2021	4	125	125	48
09/23/2021	5	149	148	50
09/23/2021	6	150	150	53
09/23/2021	7	150	150	52
09/23/2021	8	150	150	57
09/23/2021	9	150	150	65
09/23/2021	10	150	150	70
09/23/2021	11	150	150	74
09/23/2021	12	150	150	73
09/23/2021	13	150	150	73
09/23/2021	14	150	150	76
09/23/2021	15	150	150	75
09/23/2021	16	150	150	73
09/23/2021	17	150	150	70
09/23/2021	18	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/23/2021	19	150	150	69
09/23/2021	20	150	150	67
09/23/2021	21	150	150	65
09/23/2021	22	150	150	61
09/23/2021	23	150	150	58
09/23/2021	24	150	150	55
09/24/2021	1	120	120	52
09/24/2021	2	120	120	51
09/24/2021	3	120	120	49
09/24/2021	4	120	120	49
09/24/2021	5	134	134	51
09/24/2021	6	147	146	54
09/24/2021	7	127	127	53
09/24/2021	8	150	150	58
09/24/2021	9	150	150	66
09/24/2021	10	150	150	71
09/24/2021	11	150	150	74
09/24/2021	12	150	150	74
09/24/2021	13	150	150	73
09/24/2021	14	150	150	76
09/24/2021	15	150	150	75
09/24/2021	16	150	150	74
09/24/2021	17	150	150	70
09/24/2021	18	150	150	72
09/24/2021	19	150	150	70
09/24/2021	20	150	150	69
09/24/2021	21	150	150	66
09/24/2021	22	150	150	62
09/24/2021	23	150	150	59
09/24/2021	24	141	141	56
09/25/2021	1	150	150	53
09/25/2021	2	139	139	50
09/25/2021	3	140	140	50
09/25/2021	4	139	138	49
09/25/2021	5	150	150	51
09/25/2021	6	150	150	54
09/25/2021	7	150	150	52
09/25/2021	8	150	150	54
09/25/2021	9	150	150	58
09/25/2021	10	150	150	62
09/25/2021	11	150	150	64
09/25/2021	12	150	150	65
09/25/2021	13	150	150	66
09/25/2021	14	150	150	67
09/25/2021	15	150	150	67
09/25/2021	16	150	150	66
09/25/2021	17	150	150	66
09/25/2021	18	150	150	68
09/25/2021	19	150	150	69
09/25/2021	20	150	150	66
09/25/2021	21	150	150	63
09/25/2021	22	150	150	60
09/25/2021	23	150	150	58
09/25/2021	24	150	150	55
09/26/2021	1	115	115	53
09/26/2021	2	115	115	51
09/26/2021	3	105	105	49
09/26/2021	4	97	97	48
09/26/2021	5	105	105	49
09/26/2021	6	107	107	50
09/26/2021	7	105	104	50
09/26/2021	8	94	94	49
09/26/2021	9	96	96	50
09/26/2021	10	115	115	54
09/26/2021	11	116	115	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/26/2021	12	117	117	59
09/26/2021	13	117	117	60
09/26/2021	14	119	119	61
09/26/2021	15	119	119	59
09/26/2021	16	118	118	58
09/26/2021	17	118	118	60
09/26/2021	18	150	150	66
09/26/2021	19	125	125	66
09/26/2021	20	115	115	63
09/26/2021	21	115	115	60
09/26/2021	22	115	115	58
09/26/2021	23	115	115	54
09/26/2021	24	111	111	51
09/27/2021	1	150	150	55
09/27/2021	2	150	150	54
09/27/2021	3	144	143	52
09/27/2021	4	135	134	52
09/27/2021	5	140	140	52
09/27/2021	6	150	150	54
09/27/2021	7	143	142	53
09/27/2021	8	150	150	59
09/27/2021	9	150	150	68
09/27/2021	10	150	150	72
09/27/2021	11	150	150	76
09/27/2021	12	150	150	74
09/27/2021	13	150	150	76
09/27/2021	14	150	150	78
09/27/2021	15	150	150	77
09/27/2021	16	150	150	75
09/27/2021	17	150	150	71
09/27/2021	18	150	150	72
09/27/2021	19	150	150	74
09/27/2021	20	150	150	71
09/27/2021	21	150	150	69
09/27/2021	22	150	150	64
09/27/2021	23	150	150	60
09/27/2021	24	150	150	57
09/28/2021	1	138	138	51
09/28/2021	2	125	124	49
09/28/2021	3	119	119	48
09/28/2021	4	119	119	48
09/28/2021	5	145	144	49
09/28/2021	6	150	150	53
09/28/2021	7	150	150	53
09/28/2021	8	150	150	57
09/28/2021	9	150	150	66
09/28/2021	10	150	150	70
09/28/2021	11	150	150	74
09/28/2021	12	150	150	74
09/28/2021	13	150	150	74
09/28/2021	14	150	150	77
09/28/2021	15	150	150	76
09/28/2021	16	150	150	73
09/28/2021	17	150	150	71
09/28/2021	18	150	150	72
09/28/2021	19	150	150	70
09/28/2021	20	150	150	69
09/28/2021	21	150	150	67
09/28/2021	22	150	150	63
09/28/2021	23	150	150	59
09/28/2021	24	150	150	56
09/29/2021	1	113	113	53
09/29/2021	2	110	110	52
09/29/2021	3	106	106	49
09/29/2021	4	105	105	49

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/29/2021	5	106	106	51
09/29/2021	6	109	109	54
09/29/2021	7	110	110	53
09/29/2021	8	117	117	59
09/29/2021	9	136	136	66
09/29/2021	10	125	125	72
09/29/2021	11	129	129	76
09/29/2021	12	131	131	75
09/29/2021	13	135	135	76
09/29/2021	14	145	145	79
09/29/2021	15	141	141	77
09/29/2021	16	140	140	74
09/29/2021	17	133	133	71
09/29/2021	18	134	134	73
09/29/2021	19	137	137	70
09/29/2021	20	134	134	69
09/29/2021	21	133	133	67
09/29/2021	22	129	129	64
09/29/2021	23	140	140	60
09/29/2021	24	125	125	57
09/30/2021	1	150	150	55
09/30/2021	2	150	150	53
09/30/2021	3	150	150	52
09/30/2021	4	150	150	51
09/30/2021	5	150	150	54
09/30/2021	6	150	150	55
09/30/2021	7	150	150	54
09/30/2021	8	150	150	60
09/30/2021	9	150	150	68
09/30/2021	10	150	150	74
09/30/2021	11	150	150	77
09/30/2021	12	150	150	77
09/30/2021	13	150	150	78
09/30/2021	14	150	150	80
09/30/2021	15	150	150	78
09/30/2021	16	150	150	75
09/30/2021	17	150	150	72
09/30/2021	18	150	150	74
09/30/2021	19	150	150	72
09/30/2021	20	150	150	70
09/30/2021	21	150	150	68
09/30/2021	22	150	150	66
09/30/2021	23	150	150	61
09/30/2021	24	150	150	58
10/01/2021	1	150	150	56
10/01/2021	2	150	150	54
10/01/2021	3	150	150	52
10/01/2021	4	150	150	52
10/01/2021	5	150	150	54
10/01/2021	6	150	150	56
10/01/2021	7	150	150	55
10/01/2021	8	150	150	61
10/01/2021	9	150	150	69
10/01/2021	10	150	150	74
10/01/2021	11	150	150	77
10/01/2021	12	150	150	76
10/01/2021	13	150	150	78
10/01/2021	14	150	150	81
10/01/2021	15	150	150	79
10/01/2021	16	150	150	76
10/01/2021	17	150	150	74
10/01/2021	18	150	150	77
10/01/2021	19	150	150	74
10/01/2021	20	150	150	73
10/01/2021	21	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/01/2021	22	150	150	67
10/01/2021	23	150	150	64
10/01/2021	24	150	150	60
10/02/2021	1	143	143	56
10/02/2021	2	144	144	54
10/02/2021	3	130	130	52
10/02/2021	4	130	130	51
10/02/2021	5	142	142	53
10/02/2021	6	134	134	53
10/02/2021	7	130	130	52
10/02/2021	8	130	130	55
10/02/2021	9	148	148	60
10/02/2021	10	150	150	63
10/02/2021	11	150	150	67
10/02/2021	12	143	143	66
10/02/2021	13	150	150	67
10/02/2021	14	150	150	69
10/02/2021	15	150	150	68
10/02/2021	16	150	150	67
10/02/2021	17	150	150	66
10/02/2021	18	150	150	70
10/02/2021	19	150	150	67
10/02/2021	20	144	144	65
10/02/2021	21	134	134	63
10/02/2021	22	130	130	59
10/02/2021	23	136	135	57
10/02/2021	24	130	130	53
10/03/2021	1	150	150	52
10/03/2021	2	150	150	51
10/03/2021	3	150	150	49
10/03/2021	4	141	141	48
10/03/2021	5	136	135	48
10/03/2021	6	143	143	49
10/03/2021	7	141	141	49
10/03/2021	8	130	130	49
10/03/2021	9	122	122	50
10/03/2021	10	141	141	54
10/03/2021	11	150	150	57
10/03/2021	12	150	150	58
10/03/2021	13	150	150	60
10/03/2021	14	150	150	60
10/03/2021	15	150	150	59
10/03/2021	16	150	150	58
10/03/2021	17	150	150	60
10/03/2021	18	150	150	66
10/03/2021	19	150	150	64
10/03/2021	20	150	150	63
10/03/2021	21	150	150	62
10/03/2021	22	150	150	59
10/03/2021	23	150	150	56
10/03/2021	24	150	150	53
10/04/2021	1	150	150	54
10/04/2021	2	150	150	53
10/04/2021	3	150	150	52
10/04/2021	4	150	150	51
10/04/2021	5	150	150	52
10/04/2021	6	150	150	53
10/04/2021	7	150	150	54
10/04/2021	8	150	150	58
10/04/2021	9	150	150	68
10/04/2021	10	150	150	74
10/04/2021	11	150	150	77
10/04/2021	12	150	150	77
10/04/2021	13	150	150	78
10/04/2021	14	150	150	80

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/04/2021	15	150	150	79
10/04/2021	16	150	150	76
10/04/2021	17	150	150	74
10/04/2021	18	150	150	76
10/04/2021	19	150	150	73
10/04/2021	20	150	150	72
10/04/2021	21	150	150	69
10/04/2021	22	150	150	66
10/04/2021	23	150	150	63
10/04/2021	24	150	150	60
10/05/2021	1	128	128	54
10/05/2021	2	128	127	52
10/05/2021	3	128	127	50
10/05/2021	4	128	127	50
10/05/2021	5	133	133	51
10/05/2021	6	133	133	53
10/05/2021	7	133	133	53
10/05/2021	8	150	150	58
10/05/2021	9	150	150	69
10/05/2021	10	150	150	73
10/05/2021	11	150	150	77
10/05/2021	12	150	150	74
10/05/2021	13	150	150	76
10/05/2021	14	150	150	80
10/05/2021	15	150	150	77
10/05/2021	16	150	150	76
10/05/2021	17	150	150	72
10/05/2021	18	150	150	75
10/05/2021	19	150	150	72
10/05/2021	20	150	150	71
10/05/2021	21	150	150	68
10/05/2021	22	150	150	64
10/05/2021	23	150	150	60
10/05/2021	24	139	138	58
10/06/2021	1	150	150	52
10/06/2021	2	150	150	51
10/06/2021	3	150	150	49
10/06/2021	4	136	136	48
10/06/2021	5	150	150	50
10/06/2021	6	150	150	53
10/06/2021	7	150	150	52
10/06/2021	8	150	150	57
10/06/2021	9	150	150	66
10/06/2021	10	150	150	71
10/06/2021	11	150	150	73
10/06/2021	12	150	150	73
10/06/2021	13	150	150	74
10/06/2021	14	150	150	76
10/06/2021	15	150	150	74
10/06/2021	16	150	150	72
10/06/2021	17	150	150	71
10/06/2021	18	150	150	72
10/06/2021	19	150	150	67
10/06/2021	20	150	150	66
10/06/2021	21	150	150	63
10/06/2021	22	150	150	60
10/06/2021	23	150	150	56
10/06/2021	24	134	134	53
10/07/2021	1	134	134	53
10/07/2021	2	129	129	51
10/07/2021	3	123	123	50
10/07/2021	4	122	122	49
10/07/2021	5	150	150	52
10/07/2021	6	150	150	54
10/07/2021	7	134	133	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/07/2021	8	150	150	59
10/07/2021	9	150	150	65
10/07/2021	10	150	150	70
10/07/2021	11	150	150	73
10/07/2021	12	150	150	72
10/07/2021	13	150	150	73
10/07/2021	14	150	150	77
10/07/2021	15	150	150	76
10/07/2021	16	150	150	75
10/07/2021	17	150	150	72
10/07/2021	18	150	150	74
10/07/2021	19	150	150	71
10/07/2021	20	150	150	69
10/07/2021	21	150	143	66
10/07/2021	22	150	135	63
10/07/2021	23	150	135	59
10/07/2021	24	135	135	56
10/08/2021	1	150	150	53
10/08/2021	2	150	150	53
10/08/2021	3	150	150	52
10/08/2021	4	150	150	51
10/08/2021	5	150	150	53
10/08/2021	6	150	150	55
10/08/2021	7	150	150	53
10/08/2021	8	150	150	59
10/08/2021	9	150	150	66
10/08/2021	10	150	150	71
10/08/2021	11	150	150	76
10/08/2021	12	150	150	74
10/08/2021	13	150	150	76
10/08/2021	14	150	150	80
10/08/2021	15	150	150	78
10/08/2021	16	150	150	76
10/08/2021	17	150	150	72
10/08/2021	18	150	150	75
10/08/2021	19	150	150	72
10/08/2021	20	150	150	70
10/08/2021	21	150	150	68
10/08/2021	22	150	150	64
10/08/2021	23	150	150	61
10/08/2021	24	150	150	58
10/09/2021	1	150	150	54
10/09/2021	2	150	150	52
10/09/2021	3	150	150	51
10/09/2021	4	150	150	50
10/09/2021	5	150	150	52
10/09/2021	6	150	150	53
10/09/2021	7	150	148	51
10/09/2021	8	150	150	54
10/09/2021	9	150	150	60
10/09/2021	10	150	150	64
10/09/2021	11	150	150	68
10/09/2021	12	150	150	68
10/09/2021	13	150	150	69
10/09/2021	14	150	150	70
10/09/2021	15	150	150	69
10/09/2021	16	150	150	68
10/09/2021	17	150	150	66
10/09/2021	18	150	150	71
10/09/2021	19	150	150	67
10/09/2021	20	150	150	66
10/09/2021	21	150	150	64
10/09/2021	22	150	150	60
10/09/2021	23	150	150	58
10/09/2021	24	150	150	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/10/2021	1	150	150	52
10/10/2021	2	150	150	50
10/10/2021	3	142	142	48
10/10/2021	4	150	150	49
10/10/2021	5	146	145	49
10/10/2021	6	145	145	50
10/10/2021	7	133	132	50
10/10/2021	8	116	115	50
10/10/2021	9	137	136	52
10/10/2021	10	137	137	54
10/10/2021	11	150	150	57
10/10/2021	12	150	150	58
10/10/2021	13	150	150	58
10/10/2021	14	150	150	59
10/10/2021	15	150	150	59
10/10/2021	16	150	150	58
10/10/2021	17	150	150	60
10/10/2021	18	150	150	67
10/10/2021	19	150	150	64
10/10/2021	20	150	150	64
10/10/2021	21	150	150	62
10/10/2021	22	150	150	59
10/10/2021	23	150	150	55
10/10/2021	24	146	145	52
10/11/2021	1	150	150	55
10/11/2021	2	150	150	54
10/11/2021	3	150	150	52
10/11/2021	4	150	150	52
10/11/2021	5	150	150	53
10/11/2021	6	150	150	56
10/11/2021	7	150	150	55
10/11/2021	8	150	150	60
10/11/2021	9	150	150	67
10/11/2021	10	150	150	73
10/11/2021	11	150	150	77
10/11/2021	12	150	150	77
10/11/2021	13	150	150	78
10/11/2021	14	150	150	80
10/11/2021	15	150	150	79
10/11/2021	16	150	150	77
10/11/2021	17	150	150	73
10/11/2021	18	150	150	77
10/11/2021	19	150	150	73
10/11/2021	20	150	150	71
10/11/2021	21	150	150	70
10/11/2021	22	150	150	66
10/11/2021	23	150	150	62
10/11/2021	24	150	150	59
10/12/2021	1	150	150	54
10/12/2021	2	150	150	52
10/12/2021	3	150	150	51
10/12/2021	4	150	150	50
10/12/2021	5	150	150	52
10/12/2021	6	150	150	55
10/12/2021	7	150	150	55
10/12/2021	8	150	150	60
10/12/2021	9	150	150	68
10/12/2021	10	150	150	72
10/12/2021	11	150	150	76
10/12/2021	12	150	150	77
10/12/2021	13	150	150	78
10/12/2021	14	150	150	80
10/12/2021	15	150	150	78
10/12/2021	16	150	150	76
10/12/2021	17	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/12/2021	18	150	150	75
10/12/2021	19	150	150	72
10/12/2021	20	150	150	70
10/12/2021	21	150	150	68
10/12/2021	22	150	150	65
10/12/2021	23	150	150	61
10/12/2021	24	150	150	57
10/13/2021	1	150	150	53
10/13/2021	2	150	150	51
10/13/2021	3	150	150	50
10/13/2021	4	150	150	49
10/13/2021	5	150	150	52
10/13/2021	6	150	150	54
10/13/2021	7	150	150	54
10/13/2021	8	150	150	58
10/13/2021	9	150	150	66
10/13/2021	10	150	150	71
10/13/2021	11	150	150	74
10/13/2021	12	150	150	74
10/13/2021	13	150	150	74
10/13/2021	14	150	150	76
10/13/2021	15	150	150	73
10/13/2021	16	150	150	71
10/13/2021	17	150	150	69
10/13/2021	18	150	150	71
10/13/2021	19	150	150	68
10/13/2021	20	150	150	67
10/13/2021	21	150	150	64
10/13/2021	22	150	150	60
10/13/2021	23	150	150	57
10/13/2021	24	150	150	54
10/14/2021	1	150	150	52
10/14/2021	2	150	150	50
10/14/2021	3	150	149	49
10/14/2021	4	141	140	48
10/14/2021	5	150	150	50
10/14/2021	6	150	150	53
10/14/2021	7	150	150	53
10/14/2021	8	150	150	57
10/14/2021	9	150	150	65
10/14/2021	10	150	150	70
10/14/2021	11	150	150	74
10/14/2021	12	150	150	73
10/14/2021	13	150	150	74
10/14/2021	14	150	150	76
10/14/2021	15	150	150	74
10/14/2021	16	150	150	70
10/14/2021	17	150	150	68
10/14/2021	18	150	150	69
10/14/2021	19	150	150	66
10/14/2021	20	150	150	65
10/14/2021	21	150	150	63
10/14/2021	22	150	150	60
10/14/2021	23	150	150	57
10/14/2021	24	150	150	54
10/15/2021	1	150	150	54
10/15/2021	2	150	150	53
10/15/2021	3	147	146	51
10/15/2021	4	136	135	50
10/15/2021	5	150	150	52
10/15/2021	6	150	150	54
10/15/2021	7	150	150	54
10/15/2021	8	150	150	58
10/15/2021	9	150	150	66
10/15/2021	10	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/15/2021	11	150	150	76
10/15/2021	12	150	150	74
10/15/2021	13	150	150	75
10/15/2021	14	150	150	79
10/15/2021	15	150	150	76
10/15/2021	16	150	150	75
10/15/2021	17	150	150	71
10/15/2021	18	150	150	74
10/15/2021	19	150	150	71
10/15/2021	20	150	150	67
10/15/2021	21	150	150	66
10/15/2021	22	150	150	63
10/15/2021	23	150	150	60
10/15/2021	24	149	148	56
10/16/2021	1	150	150	55
10/16/2021	2	150	150	53
10/16/2021	3	150	150	51
10/16/2021	4	140	140	51
10/16/2021	5	150	150	52
10/16/2021	6	150	150	53
10/16/2021	7	140	140	53
10/16/2021	8	150	150	55
10/16/2021	9	150	150	60
10/16/2021	10	150	150	64
10/16/2021	11	150	150	67
10/16/2021	12	150	150	66
10/16/2021	13	150	150	67
10/16/2021	14	150	150	70
10/16/2021	15	150	150	69
10/16/2021	16	150	150	67
10/16/2021	17	150	150	66
10/16/2021	18	150	150	70
10/16/2021	19	150	150	67
10/16/2021	20	150	150	66
10/16/2021	21	150	150	63
10/16/2021	22	150	150	60
10/16/2021	23	150	150	57
10/16/2021	24	144	143	54
10/17/2021	1	115	115	52
10/17/2021	2	115	115	50
10/17/2021	3	115	115	49
10/17/2021	4	115	115	48
10/17/2021	5	115	115	49
10/17/2021	6	115	115	50
10/17/2021	7	115	115	49
10/17/2021	8	115	115	50
10/17/2021	9	115	115	50
10/17/2021	10	115	115	53
10/17/2021	11	115	115	56
10/17/2021	12	115	115	57
10/17/2021	13	115	115	57
10/17/2021	14	115	115	57
10/17/2021	15	115	115	57
10/17/2021	16	115	115	56
10/17/2021	17	115	115	58
10/17/2021	18	150	150	64
10/17/2021	19	134	133	63
10/17/2021	20	130	130	62
10/17/2021	21	120	119	61
10/17/2021	22	115	115	58
10/17/2021	23	115	115	55
10/17/2021	24	115	115	52
10/18/2021	1	150	150	55
10/18/2021	2	150	150	52
10/18/2021	3	150	150	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/18/2021	4	150	150	50
10/18/2021	5	150	150	51
10/18/2021	6	150	150	54
10/18/2021	7	150	150	53
10/18/2021	8	150	150	59
10/18/2021	9	150	150	66
10/18/2021	10	150	150	71
10/18/2021	11	150	150	74
10/18/2021	12	150	150	74
10/18/2021	13	150	150	75
10/18/2021	14	150	150	78
10/18/2021	15	150	150	76
10/18/2021	16	150	150	73
10/18/2021	17	150	150	71
10/18/2021	18	150	150	74
10/18/2021	19	150	150	70
10/18/2021	20	150	150	68
10/18/2021	21	150	150	66
10/18/2021	22	150	150	62
10/18/2021	23	150	150	60
10/18/2021	24	150	150	56
10/19/2021	1	150	107	55
10/19/2021	2	150	102	52
10/19/2021	3	150	102	51
10/19/2021	4	150	102	50
10/19/2021	5	150	102	52
10/19/2021	6	150	101	54
10/19/2021	7	150	102	53
10/19/2021	8	150	126	60
10/19/2021	9	150	140	68
10/19/2021	10	150	147	72
10/19/2021	11	150	150	76
10/19/2021	12	150	147	76
10/19/2021	13	150	150	78
10/19/2021	14	150	150	80
10/19/2021	15	150	150	78
10/19/2021	16	150	150	76
10/19/2021	17	150	150	74
10/19/2021	18	150	150	74
10/19/2021	19	150	150	71
10/19/2021	20	150	144	69
10/19/2021	21	150	129	68
10/19/2021	22	150	121	64
10/19/2021	23	150	106	60
10/19/2021	24	150	102	56
10/20/2021	1	150	112	56
10/20/2021	2	150	112	55
10/20/2021	3	150	112	53
10/20/2021	4	150	112	52
10/20/2021	5	150	112	53
10/20/2021	6	150	112	56
10/20/2021	7	150	112	55
10/20/2021	8	150	112	60
10/20/2021	9	150	145	68
10/20/2021	10	150	149	72
10/20/2021	11	150	149	76
10/20/2021	12	150	149	75
10/20/2021	13	150	150	77
10/20/2021	14	150	150	79
10/20/2021	15	150	150	78
10/20/2021	16	150	150	76
10/20/2021	17	150	150	73
10/20/2021	18	150	150	75
10/20/2021	19	150	150	73
10/20/2021	20	150	150	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/20/2021	21	150	137	70
10/20/2021	22	150	126	66
10/20/2021	23	150	112	62
10/20/2021	24	150	112	59
10/21/2021	1	113	113	56
10/21/2021	2	118	118	55
10/21/2021	3	123	123	53
10/21/2021	4	128	128	52
10/21/2021	5	133	133	54
10/21/2021	6	138	138	56
10/21/2021	7	143	143	56
10/21/2021	8	150	150	60
10/21/2021	9	150	150	68
10/21/2021	10	150	150	74
10/21/2021	11	150	150	79
10/21/2021	12	150	150	78
10/21/2021	13	150	150	78
10/21/2021	14	150	150	81
10/21/2021	15	150	150	80
10/21/2021	16	150	150	78
10/21/2021	17	150	150	73
10/21/2021	18	150	150	75
10/21/2021	19	150	150	72
10/21/2021	20	150	150	71
10/21/2021	21	150	150	69
10/21/2021	22	150	150	66
10/21/2021	23	150	150	62
10/21/2021	24	150	150	59
10/22/2021	1	150	150	55
10/22/2021	2	150	150	53
10/22/2021	3	150	150	52
10/22/2021	4	150	150	51
10/22/2021	5	150	150	53
10/22/2021	6	150	150	55
10/22/2021	7	150	150	54
10/22/2021	8	150	150	61
10/22/2021	9	150	150	70
10/22/2021	10	150	150	75
10/22/2021	11	150	150	79
10/22/2021	12	150	150	77
10/22/2021	13	150	150	78
10/22/2021	14	150	150	80
10/22/2021	15	150	150	77
10/22/2021	16	150	150	75
10/22/2021	17	150	150	72
10/22/2021	18	150	150	74
10/22/2021	19	150	150	71
10/22/2021	20	150	150	68
10/22/2021	21	150	150	66
10/22/2021	22	150	150	63
10/22/2021	23	150	150	59
10/22/2021	24	150	150	56
10/23/2021	1	115	115	53
10/23/2021	2	115	115	52
10/23/2021	3	115	115	51
10/23/2021	4	115	115	50
10/23/2021	5	117	116	52
10/23/2021	6	116	116	53
10/23/2021	7	115	115	52
10/23/2021	8	115	115	54
10/23/2021	9	149	115	59
10/23/2021	10	149	116	64
10/23/2021	11	149	115	65
10/23/2021	12	149	115	66
10/23/2021	13	149	115	66

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/23/2021	14	149	115	68
10/23/2021	15	149	115	67
10/23/2021	16	149	115	66
10/23/2021	17	149	130	65
10/23/2021	18	150	150	70
10/23/2021	19	150	150	66
10/23/2021	20	150	150	64
10/23/2021	21	150	150	63
10/23/2021	22	146	146	60
10/23/2021	23	150	150	57
10/23/2021	24	148	147	54
10/24/2021	1	130	130	52
10/24/2021	2	130	130	52
10/24/2021	3	128	128	49
10/24/2021	4	122	121	48
10/24/2021	5	121	120	49
10/24/2021	6	130	130	50
10/24/2021	7	106	105	50
10/24/2021	8	93	92	50
10/24/2021	9	99	99	52
10/24/2021	10	118	118	54
10/24/2021	11	130	130	57
10/24/2021	12	130	130	58
10/24/2021	13	149	130	58
10/24/2021	14	149	130	59
10/24/2021	15	149	130	58
10/24/2021	16	149	130	58
10/24/2021	17	149	130	60
10/24/2021	18	150	150	65
10/24/2021	19	150	150	63
10/24/2021	20	150	150	63
10/24/2021	21	150	150	61
10/24/2021	22	135	135	59
10/24/2021	23	135	135	55
10/24/2021	24	115	115	53
10/25/2021	1	132	132	54
10/25/2021	2	125	125	52
10/25/2021	3	125	125	50
10/25/2021	4	125	125	50
10/25/2021	5	132	132	51
10/25/2021	6	132	132	54
10/25/2021	7	132	132	54
10/25/2021	8	150	150	59
10/25/2021	9	150	150	67
10/25/2021	10	150	150	71
10/25/2021	11	150	150	75
10/25/2021	12	150	150	75
10/25/2021	13	150	150	77
10/25/2021	14	150	150	79
10/25/2021	15	150	150	76
10/25/2021	16	150	150	74
10/25/2021	17	150	150	71
10/25/2021	18	150	150	72
10/25/2021	19	150	150	70
10/25/2021	20	150	150	67
10/25/2021	21	150	150	66
10/25/2021	22	150	150	62
10/25/2021	23	150	150	59
10/25/2021	24	141	140	56
10/26/2021	1	115	115	54
10/26/2021	2	115	115	54
10/26/2021	3	122	121	53
10/26/2021	4	120	120	52
10/26/2021	5	130	130	52
10/26/2021	6	130	130	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/26/2021	7	130	130	53
10/26/2021	8	140	139	58
10/26/2021	9	150	150	67
10/26/2021	10	150	150	72
10/26/2021	11	150	150	76
10/26/2021	12	150	150	78
10/26/2021	13	150	150	77
10/26/2021	14	150	150	80
10/26/2021	15	150	150	79
10/26/2021	16	150	150	76
10/26/2021	17	150	150	74
10/26/2021	18	150	150	74
10/26/2021	19	149	132	70
10/26/2021	20	149	143	69
10/26/2021	21	144	138	67
10/26/2021	22	139	115	63
10/26/2021	23	135	115	60
10/26/2021	24	115	115	58
10/27/2021	1	138	137	56
10/27/2021	2	130	130	54
10/27/2021	3	130	130	52
10/27/2021	4	130	130	52
10/27/2021	5	150	150	55
10/27/2021	6	141	140	56
10/27/2021	7	123	122	55
10/27/2021	8	150	150	60
10/27/2021	9	150	150	69
10/27/2021	10	150	150	74
10/27/2021	11	150	150	78
10/27/2021	12	150	150	78
10/27/2021	13	150	150	78
10/27/2021	14	150	150	81
10/27/2021	15	150	150	79
10/27/2021	16	150	150	76
10/27/2021	17	150	150	73
10/27/2021	18	150	150	74
10/27/2021	19	150	150	71
10/27/2021	20	143	141	68
10/27/2021	21	143	128	66
10/27/2021	22	137	119	62
10/27/2021	23	120	119	60
10/27/2021	24	119	118	57
10/28/2021	1	150	145	56
10/28/2021	2	131	131	54
10/28/2021	3	120	120	52
10/28/2021	4	124	123	52
10/28/2021	5	144	143	54
10/28/2021	6	150	150	56
10/28/2021	7	149	148	56
10/28/2021	8	150	150	60
10/28/2021	9	150	150	68
10/28/2021	10	150	150	73
10/28/2021	11	150	150	78
10/28/2021	12	150	150	77
10/28/2021	13	150	150	78
10/28/2021	14	150	150	81
10/28/2021	15	150	150	80
10/28/2021	16	150	150	77
10/28/2021	17	150	150	75
10/28/2021	18	150	150	74
10/28/2021	19	150	150	71
10/28/2021	20	150	150	70
10/28/2021	21	150	150	68
10/28/2021	22	150	150	64
10/28/2021	23	150	150	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/28/2021	24	150	150	59
10/29/2021	1	148	148	57
10/29/2021	2	132	132	54
10/29/2021	3	132	132	53
10/29/2021	4	132	132	52
10/29/2021	5	150	150	54
10/29/2021	6	150	150	57
10/29/2021	7	143	143	56
10/29/2021	8	150	150	61
10/29/2021	9	150	150	68
10/29/2021	10	150	150	73
10/29/2021	11	150	150	77
10/29/2021	12	150	150	76
10/29/2021	13	150	150	77
10/29/2021	14	150	150	80
10/29/2021	15	150	150	76
10/29/2021	16	150	150	74
10/29/2021	17	150	150	72
10/29/2021	18	150	150	74
10/29/2021	19	150	150	71
10/29/2021	20	150	150	70
10/29/2021	21	145	138	67
10/29/2021	22	139	130	63
10/29/2021	23	130	130	60
10/29/2021	24	119	119	57
10/30/2021	1	149	148	55
10/30/2021	2	129	129	53
10/30/2021	3	129	129	51
10/30/2021	4	129	129	51
10/30/2021	5	129	129	52
10/30/2021	6	129	129	53
10/30/2021	7	129	129	52
10/30/2021	8	129	129	54
10/30/2021	9	133	133	58
10/30/2021	10	138	133	62
10/30/2021	11	150	150	66
10/30/2021	12	150	150	66
10/30/2021	13	150	150	66
10/30/2021	14	150	150	68
10/30/2021	15	145	128	66
10/30/2021	16	142	128	64
10/30/2021	17	144	144	64
10/30/2021	18	150	150	68
10/30/2021	19	148	134	67
10/30/2021	20	147	134	66
10/30/2021	21	147	134	63
10/30/2021	22	138	134	61
10/30/2021	23	134	134	58
10/30/2021	24	134	134	55
10/31/2021	1	115	115	52
10/31/2021	2	115	115	51
10/31/2021	3	115	115	50
10/31/2021	4	115	115	49
10/31/2021	5	115	115	50
10/31/2021	6	115	115	51
10/31/2021	7	115	115	49
10/31/2021	8	115	115	50
10/31/2021	9	115	115	51
10/31/2021	10	115	115	54
10/31/2021	11	115	115	56
10/31/2021	12	115	115	56
10/31/2021	13	115	115	56
10/31/2021	14	129	128	58
10/31/2021	15	130	130	57
10/31/2021	16	130	130	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/31/2021	17	130	130	56
10/31/2021	18	150	150	65
10/31/2021	19	150	130	63
10/31/2021	20	149	115	62
10/31/2021	21	150	115	61
10/31/2021	22	150	115	58
10/31/2021	23	115	115	56
10/31/2021	24	115	115	53
11/01/2021	1	117	116	52
11/01/2021	2	115	115	51
11/01/2021	3	115	115	50
11/01/2021	4	115	115	49
11/01/2021	5	115	115	50
11/01/2021	6	115	115	50
11/01/2021	7	106	105	49
11/01/2021	8	98	98	50
11/01/2021	9	94	94	51
11/01/2021	10	100	100	54
11/01/2021	11	108	108	56
11/01/2021	12	114	113	57
11/01/2021	13	115	115	57
11/01/2021	14	115	115	58
11/01/2021	15	111	111	57
11/01/2021	16	113	113	56
11/01/2021	17	119	118	56
11/01/2021	18	149	135	64
11/01/2021	19	149	115	62
11/01/2021	20	149	115	61
11/01/2021	21	149	115	60
11/01/2021	22	147	115	58
11/01/2021	23	115	115	55
11/01/2021	24	115	115	52
11/02/2021	1	116	115	51
11/02/2021	2	116	115	50
11/02/2021	3	116	115	49
11/02/2021	4	115	115	48
11/02/2021	5	124	123	49
11/02/2021	6	150	150	53
11/02/2021	7	150	150	52
11/02/2021	8	150	150	59
11/02/2021	9	150	150	67
11/02/2021	10	150	150	73
11/02/2021	11	150	150	77
11/02/2021	12	150	150	77
11/02/2021	13	150	150	78
11/02/2021	14	150	150	80
11/02/2021	15	150	150	78
11/02/2021	16	150	150	76
11/02/2021	17	150	150	73
11/02/2021	18	150	150	76
11/02/2021	19	150	150	74
11/02/2021	20	150	150	71
11/02/2021	21	150	150	69
11/02/2021	22	150	150	65
11/02/2021	23	150	150	62
11/02/2021	24	150	150	58
11/03/2021	1	139	139	55
11/03/2021	2	140	139	54
11/03/2021	3	145	144	53
11/03/2021	4	130	129	51
11/03/2021	5	150	150	54
11/03/2021	6	150	150	56
11/03/2021	7	144	144	55
11/03/2021	8	150	150	60
11/03/2021	9	150	150	70

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/03/2021	10	150	150	74
11/03/2021	11	150	150	78
11/03/2021	12	150	150	78
11/03/2021	13	150	150	78
11/03/2021	14	150	150	80
11/03/2021	15	150	150	79
11/03/2021	16	150	150	77
11/03/2021	17	150	150	74
11/03/2021	18	150	150	75
11/03/2021	19	150	150	73
11/03/2021	20	150	150	70
11/03/2021	21	150	150	68
11/03/2021	22	150	150	65
11/03/2021	23	150	150	61
11/03/2021	24	150	150	58
11/04/2021	1	106	105	52
11/04/2021	2	99	98	51
11/04/2021	3	102	102	50
11/04/2021	4	104	104	50
11/04/2021	5	115	115	52
11/04/2021	6	115	115	54
11/04/2021	7	115	115	55
11/04/2021	8	150	149	60
11/04/2021	9	150	150	66
11/04/2021	10	150	150	72
11/04/2021	11	150	150	74
11/04/2021	12	150	150	75
11/04/2021	13	150	150	77
11/04/2021	14	150	150	79
11/04/2021	15	150	150	78
11/04/2021	16	150	150	75
11/04/2021	17	150	150	71
11/04/2021	18	150	150	74
11/04/2021	19	150	150	71
11/04/2021	20	149	142	69
11/04/2021	21	147	135	67
11/04/2021	22	138	135	63
11/04/2021	23	147	147	60
11/04/2021	24	135	135	57
11/05/2021	1	121	120	54
11/05/2021	2	109	108	52
11/05/2021	3	104	104	51
11/05/2021	4	104	104	50
11/05/2021	5	125	125	53
11/05/2021	6	125	125	56
11/05/2021	7	124	124	55
11/05/2021	8	150	150	60
11/05/2021	9	150	150	68
11/05/2021	10	150	150	72
11/05/2021	11	150	150	76
11/05/2021	12	150	150	76
11/05/2021	13	150	150	76
11/05/2021	14	150	150	80
11/05/2021	15	150	150	78
11/05/2021	16	150	150	76
11/05/2021	17	150	150	72
11/05/2021	18	150	150	74
11/05/2021	19	150	150	70
11/05/2021	20	150	150	68
11/05/2021	21	148	148	66
11/05/2021	22	150	150	62
11/05/2021	23	150	150	60
11/05/2021	24	147	146	56
11/06/2021	1	115	115	54
11/06/2021	2	115	115	53

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/06/2021	3	115	115	52
11/06/2021	4	115	115	50
11/06/2021	5	115	115	53
11/06/2021	6	115	115	54
11/06/2021	7	115	115	54
11/06/2021	8	115	115	55
11/06/2021	9	150	150	61
11/06/2021	10	150	150	65
11/06/2021	11	150	150	67
11/06/2021	12	150	150	68
11/06/2021	13	150	150	70
11/06/2021	14	150	150	72
11/06/2021	15	150	150	71
11/06/2021	16	150	150	68
11/06/2021	17	150	150	66
11/06/2021	18	150	150	73
11/06/2021	19	150	150	70
11/06/2021	20	150	150	67
11/06/2021	21	150	150	66
11/06/2021	22	150	150	63
11/06/2021	23	122	122	59
11/06/2021	24	115	115	56
11/07/2021	1	117	117	53
11/07/2021	2	115	115	51
11/07/2021	3	115	115	49
11/07/2021	4	115	115	49
11/07/2021	5	115	115	50
11/07/2021	6	116	116	52
11/07/2021	7	115	115	51
11/07/2021	8	115	115	51
11/07/2021	9	115	115	52
11/07/2021	10	115	115	55
11/07/2021	11	128	115	58
11/07/2021	12	148	115	59
11/07/2021	13	149	115	59
11/07/2021	14	127	125	58
11/07/2021	15	125	125	57
11/07/2021	16	140	125	57
11/07/2021	17	149	125	59
11/07/2021	18	150	150	66
11/07/2021	19	149	119	63
11/07/2021	20	149	120	63
11/07/2021	21	149	119	62
11/07/2021	22	149	115	60
11/07/2021	23	115	115	56
11/07/2021	24	115	115	52
11/08/2021	1	115	115	53
11/08/2021	2	115	115	52
11/08/2021	3	115	115	51
11/08/2021	4	115	115	50
11/08/2021	5	115	115	52
11/08/2021	6	115	115	54
11/08/2021	7	115	115	54
11/08/2021	8	150	150	60
11/08/2021	9	150	150	68
11/08/2021	10	150	150	73
11/08/2021	11	150	150	78
11/08/2021	12	150	150	78
11/08/2021	13	150	150	79
11/08/2021	14	150	150	80
11/08/2021	15	150	150	79
11/08/2021	16	150	150	76
11/08/2021	17	150	150	74
11/08/2021	18	150	150	76
11/08/2021	19	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/08/2021	20	150	150	70
11/08/2021	21	149	142	67
11/08/2021	22	149	142	63
11/08/2021	23	142	142	60
11/08/2021	24	142	142	58
11/09/2021	1	115	115	53
11/09/2021	2	115	115	52
11/09/2021	3	115	115	51
11/09/2021	4	115	115	50
11/09/2021	5	122	122	52
11/09/2021	6	122	122	54
11/09/2021	7	122	122	54
11/09/2021	8	131	130	59
11/09/2021	9	150	150	66
11/09/2021	10	150	150	72
11/09/2021	11	150	150	75
11/09/2021	12	150	150	76
11/09/2021	13	150	150	78
11/09/2021	14	150	150	80
11/09/2021	15	150	150	78
11/09/2021	16	150	150	74
11/09/2021	17	150	150	72
11/09/2021	18	150	150	74
11/09/2021	19	147	141	71
11/09/2021	20	147	139	69
11/09/2021	21	143	140	67
11/09/2021	22	136	130	63
11/09/2021	23	130	130	60
11/09/2021	24	115	115	57
11/10/2021	1	115	115	55
11/10/2021	2	115	115	54
11/10/2021	3	115	115	52
11/10/2021	4	115	115	51
11/10/2021	5	123	122	54
11/10/2021	6	123	122	56
11/10/2021	7	123	122	56
11/10/2021	8	150	150	61
11/10/2021	9	150	150	70
11/10/2021	10	150	150	74
11/10/2021	11	150	150	78
11/10/2021	12	150	150	79
11/10/2021	13	150	150	79
11/10/2021	14	150	150	81
11/10/2021	15	150	150	79
11/10/2021	16	150	150	77
11/10/2021	17	150	150	74
11/10/2021	18	150	150	74
11/10/2021	19	147	147	71
11/10/2021	20	145	134	69
11/10/2021	21	143	134	68
11/10/2021	22	136	134	64
11/10/2021	23	134	133	61
11/10/2021	24	115	115	57
11/11/2021	1	115	115	53
11/11/2021	2	115	115	52
11/11/2021	3	110	109	51
11/11/2021	4	107	107	50
11/11/2021	5	115	115	52
11/11/2021	6	121	120	56
11/11/2021	7	121	120	55
11/11/2021	8	150	150	61
11/11/2021	9	150	150	68
11/11/2021	10	150	150	74
11/11/2021	11	150	150	77
11/11/2021	12	150	150	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/11/2021	13	150	150	78
11/11/2021	14	150	150	80
11/11/2021	15	150	150	78
11/11/2021	16	150	150	77
11/11/2021	17	150	150	72
11/11/2021	18	150	150	76
11/11/2021	19	144	141	72
11/11/2021	20	144	141	70
11/11/2021	21	142	141	68
11/11/2021	22	137	124	64
11/11/2021	23	118	117	61
11/11/2021	24	115	115	58
11/12/2021	1	115	115	56
11/12/2021	2	115	115	54
11/12/2021	3	115	115	52
11/12/2021	4	115	115	51
11/12/2021	5	140	139	54
11/12/2021	6	140	139	56
11/12/2021	7	139	139	55
11/12/2021	8	149	148	61
11/12/2021	9	150	150	68
11/12/2021	10	150	150	73
11/12/2021	11	150	150	75
11/12/2021	12	150	150	77
11/12/2021	13	150	150	79
11/12/2021	14	150	150	80
11/12/2021	15	150	150	78
11/12/2021	16	150	150	77
11/12/2021	17	150	150	72
11/12/2021	18	150	150	75
11/12/2021	19	150	150	73
11/12/2021	20	149	148	70
11/12/2021	21	146	118	66
11/12/2021	22	138	115	61
11/12/2021	23	115	115	59
11/12/2021	24	115	115	58
11/13/2021	1	125	125	54
11/13/2021	2	120	120	52
11/13/2021	3	120	119	51
11/13/2021	4	114	113	50
11/13/2021	5	125	125	52
11/13/2021	6	125	125	54
11/13/2021	7	125	125	53
11/13/2021	8	122	122	55
11/13/2021	9	140	140	60
11/13/2021	10	150	150	65
11/13/2021	11	150	150	68
11/13/2021	12	150	150	67
11/13/2021	13	150	150	68
11/13/2021	14	150	150	70
11/13/2021	15	150	150	70
11/13/2021	16	150	150	68
11/13/2021	17	150	150	66
11/13/2021	18	150	150	73
11/13/2021	19	150	150	69
11/13/2021	20	150	150	70
11/13/2021	21	150	150	68
11/13/2021	22	150	150	64
11/13/2021	23	150	150	61
11/13/2021	24	150	150	58
11/14/2021	1	115	115	55
11/14/2021	2	115	115	53
11/14/2021	3	115	115	52
11/14/2021	4	115	115	51
11/14/2021	5	115	115	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/14/2021	6	115	115	53
11/14/2021	7	115	115	52
11/14/2021	8	107	107	52
11/14/2021	9	105	105	53
11/14/2021	10	122	115	56
11/14/2021	11	149	115	60
11/14/2021	12	149	115	62
11/14/2021	13	149	115	62
11/14/2021	14	149	115	63
11/14/2021	15	149	115	63
11/14/2021	16	149	115	61
11/14/2021	17	149	115	61
11/14/2021	18	150	150	68
11/14/2021	19	150	150	67
11/14/2021	20	149	130	66
11/14/2021	21	149	119	64
11/14/2021	22	149	119	62
11/14/2021	23	115	115	58
11/14/2021	24	115	115	55
11/15/2021	1	125	125	54
11/15/2021	2	125	125	53
11/15/2021	3	121	120	51
11/15/2021	4	112	112	50
11/15/2021	5	125	125	52
11/15/2021	6	150	150	56
11/15/2021	7	150	150	56
11/15/2021	8	150	150	61
11/15/2021	9	150	150	69
11/15/2021	10	150	150	75
11/15/2021	11	150	150	78
11/15/2021	12	150	150	78
11/15/2021	13	150	150	79
11/15/2021	14	150	150	81
11/15/2021	15	150	150	80
11/15/2021	16	150	150	78
11/15/2021	17	150	150	74
11/15/2021	18	150	150	77
11/15/2021	19	150	150	72
11/15/2021	20	150	150	71
11/15/2021	21	150	150	69
11/15/2021	22	150	150	65
11/15/2021	23	150	150	62
11/15/2021	24	150	150	59
11/16/2021	1	125	125	55
11/16/2021	2	125	125	55
11/16/2021	3	125	125	53
11/16/2021	4	119	118	51
11/16/2021	5	127	126	54
11/16/2021	6	129	128	56
11/16/2021	7	135	135	56
11/16/2021	8	150	150	60
11/16/2021	9	150	150	68
11/16/2021	10	150	150	72
11/16/2021	11	150	150	76
11/16/2021	12	150	150	76
11/16/2021	13	150	150	77
11/16/2021	14	150	150	80
11/16/2021	15	150	150	77
11/16/2021	16	150	150	74
11/16/2021	17	150	150	71
11/16/2021	18	150	150	74
11/16/2021	19	146	146	71
11/16/2021	20	150	149	69
11/16/2021	21	138	138	67
11/16/2021	22	135	135	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/16/2021	23	125	125	60
11/16/2021	24	125	125	57
11/17/2021	1	125	125	53
11/17/2021	2	125	125	52
11/17/2021	3	122	121	51
11/17/2021	4	122	122	50
11/17/2021	5	126	126	53
11/17/2021	6	137	137	56
11/17/2021	7	137	137	56
11/17/2021	8	146	146	60
11/17/2021	9	146	146	68
11/17/2021	10	149	146	72
11/17/2021	11	149	146	76
11/17/2021	12	149	146	75
11/17/2021	13	149	146	76
11/17/2021	14	150	150	79
11/17/2021	15	150	150	78
11/17/2021	16	150	150	76
11/17/2021	17	149	146	72
11/17/2021	18	149	147	75
11/17/2021	19	149	146	72
11/17/2021	20	149	146	70
11/17/2021	21	149	146	68
11/17/2021	22	149	146	64
11/17/2021	23	146	146	61
11/17/2021	24	146	146	57
11/18/2021	1	127	126	54
11/18/2021	2	126	126	54
11/18/2021	3	123	123	52
11/18/2021	4	120	119	51
11/18/2021	5	137	136	54
11/18/2021	6	146	146	57
11/18/2021	7	146	146	56
11/18/2021	8	146	146	60
11/18/2021	9	146	146	68
11/18/2021	10	146	146	73
11/18/2021	11	147	146	78
11/18/2021	12	149	146	78
11/18/2021	13	149	146	78
11/18/2021	14	149	146	80
11/18/2021	15	149	146	79
11/18/2021	16	149	146	76
11/18/2021	17	149	146	73
11/18/2021	18	149	146	75
11/18/2021	19	149	146	72
11/18/2021	20	146	146	71
11/18/2021	21	146	146	69
11/18/2021	22	146	146	64
11/18/2021	23	146	146	61
11/18/2021	24	146	146	58
11/19/2021	1	129	129	55
11/19/2021	2	115	115	53
11/19/2021	3	112	112	52
11/19/2021	4	112	112	52
11/19/2021	5	125	124	54
11/19/2021	6	135	135	56
11/19/2021	7	141	140	56
11/19/2021	8	146	146	60
11/19/2021	9	146	146	68
11/19/2021	10	146	146	73
11/19/2021	11	149	146	78
11/19/2021	12	149	146	79
11/19/2021	13	149	146	79
11/19/2021	14	149	146	80
11/19/2021	15	149	146	79

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/19/2021	16	149	146	76
11/19/2021	17	147	146	72
11/19/2021	18	146	146	75
11/19/2021	19	148	146	73
11/19/2021	20	146	146	70
11/19/2021	21	146	146	68
11/19/2021	22	146	146	64
11/19/2021	23	146	146	60
11/19/2021	24	146	146	57
11/20/2021	1	148	148	54
11/20/2021	2	137	136	52
11/20/2021	3	137	136	51
11/20/2021	4	132	131	50
11/20/2021	5	143	143	53
11/20/2021	6	150	150	55
11/20/2021	7	143	143	53
11/20/2021	8	150	150	56
11/20/2021	9	150	150	62
11/20/2021	10	150	150	66
11/20/2021	11	150	150	68
11/20/2021	12	150	150	70
11/20/2021	13	150	150	70
11/20/2021	14	150	150	71
11/20/2021	15	150	150	71
11/20/2021	16	150	150	68
11/20/2021	17	150	150	66
11/20/2021	18	150	150	72
11/20/2021	19	150	150	70
11/20/2021	20	150	150	69
11/20/2021	21	150	150	66
11/20/2021	22	150	150	62
11/20/2021	23	150	150	60
11/20/2021	24	150	150	57
11/21/2021	1	125	125	54
11/21/2021	2	125	125	52
11/21/2021	3	125	125	51
11/21/2021	4	115	115	50
11/21/2021	5	112	112	49
11/21/2021	6	115	115	51
11/21/2021	7	115	115	51
11/21/2021	8	103	102	50
11/21/2021	9	103	102	52
11/21/2021	10	127	126	55
11/21/2021	11	146	146	58
11/21/2021	12	146	146	59
11/21/2021	13	149	146	60
11/21/2021	14	149	146	61
11/21/2021	15	149	146	60
11/21/2021	16	148	146	59
11/21/2021	17	149	146	60
11/21/2021	18	149	146	68
11/21/2021	19	149	146	66
11/21/2021	20	149	146	66
11/21/2021	21	149	146	64
11/21/2021	22	146	146	62
11/21/2021	23	146	146	58
11/21/2021	24	146	146	54
11/22/2021	1	134	133	54
11/22/2021	2	134	133	52
11/22/2021	3	121	121	51
11/22/2021	4	121	121	50
11/22/2021	5	134	133	52
11/22/2021	6	134	133	54
11/22/2021	7	134	133	55
11/22/2021	8	150	150	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/22/2021	9	150	150	69
11/22/2021	10	150	150	74
11/22/2021	11	150	150	78
11/22/2021	12	150	150	77
11/22/2021	13	150	150	78
11/22/2021	14	150	150	80
11/22/2021	15	150	150	79
11/22/2021	16	150	150	77
11/22/2021	17	150	150	74
11/22/2021	18	150	150	74
11/22/2021	19	150	150	72
11/22/2021	20	150	150	69
11/22/2021	21	150	150	65
11/22/2021	22	141	140	62
11/22/2021	23	150	150	60
11/22/2021	24	150	150	56
11/23/2021	1	125	125	55
11/23/2021	2	132	131	54
11/23/2021	3	134	134	54
11/23/2021	4	125	125	52
11/23/2021	5	131	131	53
11/23/2021	6	142	142	56
11/23/2021	7	134	134	55
11/23/2021	8	148	147	60
11/23/2021	9	150	150	68
11/23/2021	10	150	150	73
11/23/2021	11	150	150	77
11/23/2021	12	150	150	78
11/23/2021	13	150	150	78
11/23/2021	14	150	150	80
11/23/2021	15	150	150	79
11/23/2021	16	150	150	77
11/23/2021	17	150	150	72
11/23/2021	18	150	150	75
11/23/2021	19	150	150	73
11/23/2021	20	150	150	70
11/23/2021	21	150	150	68
11/23/2021	22	138	125	64
11/23/2021	23	126	126	60
11/23/2021	24	125	125	58
11/24/2021	1	115	115	54
11/24/2021	2	115	115	52
11/24/2021	3	115	115	51
11/24/2021	4	108	107	50
11/24/2021	5	115	115	52
11/24/2021	6	118	117	55
11/24/2021	7	118	117	55
11/24/2021	8	150	150	60
11/24/2021	9	150	150	69
11/24/2021	10	150	150	73
11/24/2021	11	150	150	76
11/24/2021	12	150	150	76
11/24/2021	13	150	150	77
11/24/2021	14	150	150	80
11/24/2021	15	150	150	79
11/24/2021	16	150	150	77
11/24/2021	17	150	150	73
11/24/2021	18	150	150	76
11/24/2021	19	150	150	72
11/24/2021	20	150	150	70
11/24/2021	21	140	140	68
11/24/2021	22	139	139	64
11/24/2021	23	139	139	60
11/24/2021	24	131	130	58
11/25/2021	1	115	115	55

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**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/25/2021	2	115	115	53
11/25/2021	3	115	115	52
11/25/2021	4	115	115	51
11/25/2021	5	140	139	54
11/25/2021	6	140	139	57
11/25/2021	7	140	139	56
11/25/2021	8	150	150	60
11/25/2021	9	150	150	68
11/25/2021	10	150	150	74
11/25/2021	11	150	150	77
11/25/2021	12	150	150	76
11/25/2021	13	150	150	78
11/25/2021	14	150	150	80
11/25/2021	15	150	150	79
11/25/2021	16	150	150	76
11/25/2021	17	150	150	73
11/25/2021	18	150	150	77
11/25/2021	19	150	150	73
11/25/2021	20	150	150	71
11/25/2021	21	149	137	68
11/25/2021	22	146	137	65
11/25/2021	23	137	137	61
11/25/2021	24	115	115	58
11/26/2021	1	135	135	56
11/26/2021	2	125	125	54
11/26/2021	3	123	122	52
11/26/2021	4	118	117	52
11/26/2021	5	135	135	54
11/26/2021	6	135	135	57
11/26/2021	7	135	135	56
11/26/2021	8	150	150	61
11/26/2021	9	150	150	70
11/26/2021	10	150	150	73
11/26/2021	11	150	150	78
11/26/2021	12	150	150	77
11/26/2021	13	150	150	77
11/26/2021	14	150	150	80
11/26/2021	15	150	150	78
11/26/2021	16	150	150	77
11/26/2021	17	150	150	73
11/26/2021	18	150	150	77
11/26/2021	19	150	150	73
11/26/2021	20	150	150	71
11/26/2021	21	150	150	69
11/26/2021	22	150	150	65
11/26/2021	23	150	150	61
11/26/2021	24	150	150	58
11/27/2021	1	115	115	55
11/27/2021	2	115	115	53
11/27/2021	3	115	115	52
11/27/2021	4	115	115	51
11/27/2021	5	115	115	53
11/27/2021	6	115	115	54
11/27/2021	7	115	115	54
11/27/2021	8	115	115	56
11/27/2021	9	145	140	61
11/27/2021	10	150	150	66
11/27/2021	11	150	150	68
11/27/2021	12	150	150	69
11/27/2021	13	150	150	70
11/27/2021	14	150	150	72
11/27/2021	15	150	150	71
11/27/2021	16	150	150	69
11/27/2021	17	150	150	67
11/27/2021	18	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/27/2021	19	150	150	70
11/27/2021	20	150	150	69
11/27/2021	21	150	150	67
11/27/2021	22	150	150	64
11/27/2021	23	142	142	61
11/27/2021	24	140	140	57
11/28/2021	1	125	125	54
11/28/2021	2	124	124	52
11/28/2021	3	115	115	51
11/28/2021	4	112	112	50
11/28/2021	5	115	115	51
11/28/2021	6	125	125	53
11/28/2021	7	119	118	52
11/28/2021	8	112	112	51
11/28/2021	9	120	119	54
11/28/2021	10	125	125	58
11/28/2021	11	125	125	61
11/28/2021	12	144	125	62
11/28/2021	13	145	125	62
11/28/2021	14	148	125	63
11/28/2021	15	146	125	63
11/28/2021	16	145	125	61
11/28/2021	17	145	125	61
11/28/2021	18	150	150	70
11/28/2021	19	150	150	67
11/28/2021	20	150	150	67
11/28/2021	21	150	150	65
11/28/2021	22	142	125	62
11/28/2021	23	136	125	59
11/28/2021	24	125	125	56
11/29/2021	1	115	115	54
11/29/2021	2	115	115	52
11/29/2021	3	115	115	51
11/29/2021	4	113	113	50
11/29/2021	5	115	115	53
11/29/2021	6	115	115	55
11/29/2021	7	115	115	55
11/29/2021	8	150	150	60
11/29/2021	9	150	150	70
11/29/2021	10	150	150	74
11/29/2021	11	150	150	77
11/29/2021	12	150	150	76
11/29/2021	13	150	150	78
11/29/2021	14	150	150	80
11/29/2021	15	150	150	80
11/29/2021	16	150	150	78
11/29/2021	17	150	150	75
11/29/2021	18	150	150	76
11/29/2021	19	150	150	74
11/29/2021	20	150	150	71
11/29/2021	21	150	150	69
11/29/2021	22	150	150	64
11/29/2021	23	137	137	59
11/29/2021	24	150	150	58
11/30/2021	1	135	135	54
11/30/2021	2	135	134	53
11/30/2021	3	124	123	51
11/30/2021	4	123	123	51
11/30/2021	5	135	135	52
11/30/2021	6	141	140	56
11/30/2021	7	135	135	55
11/30/2021	8	150	150	60
11/30/2021	9	150	150	66
11/30/2021	10	150	150	69
11/30/2021	11	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/30/2021	12	150	150	71
11/30/2021	13	150	150	71
11/30/2021	14	150	150	74
11/30/2021	15	150	150	72
11/30/2021	16	150	150	71
11/30/2021	17	150	150	69
11/30/2021	18	150	150	72
11/30/2021	19	150	150	69
11/30/2021	20	150	150	68
11/30/2021	21	150	150	66
11/30/2021	22	137	136	62
11/30/2021	23	135	135	59
11/30/2021	24	135	135	56
12/01/2021	1	115	115	54
12/01/2021	2	111	111	52
12/01/2021	3	110	109	51
12/01/2021	4	110	110	50
12/01/2021	5	111	111	52
12/01/2021	6	115	115	55
12/01/2021	7	115	115	55
12/01/2021	8	120	120	60
12/01/2021	9	150	150	67
12/01/2021	10	150	150	71
12/01/2021	11	150	150	74
12/01/2021	12	150	150	73
12/01/2021	13	150	150	74
12/01/2021	14	150	150	78
12/01/2021	15	150	150	76
12/01/2021	16	150	150	74
12/01/2021	17	150	150	72
12/01/2021	18	150	150	72
12/01/2021	19	147	146	70
12/01/2021	20	147	146	70
12/01/2021	21	130	130	66
12/01/2021	22	130	130	63
12/01/2021	23	115	115	60
12/01/2021	24	115	115	57
12/02/2021	1	115	115	54
12/02/2021	2	115	115	52
12/02/2021	3	115	115	51
12/02/2021	4	115	115	50
12/02/2021	5	130	130	53
12/02/2021	6	130	130	56
12/02/2021	7	130	130	55
12/02/2021	8	130	130	59
12/02/2021	9	150	150	66
12/02/2021	10	150	150	71
12/02/2021	11	150	150	74
12/02/2021	12	150	150	74
12/02/2021	13	150	150	74
12/02/2021	14	150	150	78
12/02/2021	15	150	150	76
12/02/2021	16	150	150	74
12/02/2021	17	150	150	72
12/02/2021	18	150	150	75
12/02/2021	19	150	150	73
12/02/2021	20	150	150	71
12/02/2021	21	147	123	66
12/02/2021	22	141	120	62
12/02/2021	23	135	120	59
12/02/2021	24	115	115	57
12/03/2021	1	115	115	55
12/03/2021	2	115	115	52
12/03/2021	3	115	115	50
12/03/2021	4	115	115	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/03/2021	5	124	124	53
12/03/2021	6	124	124	55
12/03/2021	7	124	124	55
12/03/2021	8	149	149	59
12/03/2021	9	150	150	67
12/03/2021	10	150	150	71
12/03/2021	11	150	150	75
12/03/2021	12	150	150	76
12/03/2021	13	150	150	76
12/03/2021	14	150	150	79
12/03/2021	15	150	150	78
12/03/2021	16	150	150	75
12/03/2021	17	150	150	72
12/03/2021	18	150	150	75
12/03/2021	19	150	150	72
12/03/2021	20	150	150	70
12/03/2021	21	142	139	67
12/03/2021	22	136	132	64
12/03/2021	23	132	126	60
12/03/2021	24	115	115	57
12/04/2021	1	115	115	54
12/04/2021	2	115	115	52
12/04/2021	3	115	115	51
12/04/2021	4	115	115	50
12/04/2021	5	115	115	52
12/04/2021	6	115	115	54
12/04/2021	7	115	115	53
12/04/2021	8	115	115	56
12/04/2021	9	142	115	61
12/04/2021	10	145	125	65
12/04/2021	11	149	126	69
12/04/2021	12	149	125	69
12/04/2021	13	149	125	69
12/04/2021	14	149	141	71
12/04/2021	15	149	135	70
12/04/2021	16	149	135	68
12/04/2021	17	148	135	66
12/04/2021	18	150	150	72
12/04/2021	19	150	150	70
12/04/2021	20	150	150	68
12/04/2021	21	150	150	66
12/04/2021	22	136	115	63
12/04/2021	23	132	115	60
12/04/2021	24	115	115	56
12/05/2021	1	115	115	53
12/05/2021	2	115	115	52
12/05/2021	3	114	114	51
12/05/2021	4	112	112	50
12/05/2021	5	112	112	51
12/05/2021	6	115	115	52
12/05/2021	7	105	105	51
12/05/2021	8	105	105	50
12/05/2021	9	105	105	51
12/05/2021	10	112	112	55
12/05/2021	11	112	112	56
12/05/2021	12	112	112	57
12/05/2021	13	112	112	58
12/05/2021	14	112	112	59
12/05/2021	15	112	112	59
12/05/2021	16	114	113	59
12/05/2021	17	115	115	60
12/05/2021	18	150	150	68
12/05/2021	19	121	121	66
12/05/2021	20	120	120	65
12/05/2021	21	118	118	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/05/2021	22	115	115	61
12/05/2021	23	115	115	57
12/05/2021	24	115	115	54
12/06/2021	1	115	115	52
12/06/2021	2	109	109	51
12/06/2021	3	105	105	50
12/06/2021	4	105	105	50
12/06/2021	5	105	105	51
12/06/2021	6	125	125	55
12/06/2021	7	125	125	54
12/06/2021	8	125	125	58
12/06/2021	9	150	150	67
12/06/2021	10	150	150	71
12/06/2021	11	150	150	74
12/06/2021	12	150	150	74
12/06/2021	13	150	150	74
12/06/2021	14	150	150	79
12/06/2021	15	150	150	78
12/06/2021	16	150	150	76
12/06/2021	17	150	150	73
12/06/2021	18	150	150	76
12/06/2021	19	150	150	74
12/06/2021	20	150	150	71
12/06/2021	21	150	150	68
12/06/2021	22	135	135	64
12/06/2021	23	135	135	60
12/06/2021	24	135	135	59
12/07/2021	1	115	115	52
12/07/2021	2	115	115	52
12/07/2021	3	115	115	51
12/07/2021	4	111	110	50
12/07/2021	5	115	115	53
12/07/2021	6	116	116	55
12/07/2021	7	115	115	55
12/07/2021	8	146	146	59
12/07/2021	9	146	146	68
12/07/2021	10	146	146	72
12/07/2021	11	149	146	75
12/07/2021	12	149	146	74
12/07/2021	13	149	146	76
12/07/2021	14	149	146	78
12/07/2021	15	149	146	78
12/07/2021	16	149	146	74
12/07/2021	17	148	146	72
12/07/2021	18	146	146	74
12/07/2021	19	149	146	72
12/07/2021	20	149	146	70
12/07/2021	21	148	146	67
12/07/2021	22	146	146	62
12/07/2021	23	146	146	59
12/07/2021	24	146	146	57
12/08/2021	1	135	135	54
12/08/2021	2	135	135	52
12/08/2021	3	124	123	50
12/08/2021	4	125	124	50
12/08/2021	5	135	135	52
12/08/2021	6	135	135	55
12/08/2021	7	135	135	54
12/08/2021	8	135	135	56
12/08/2021	9	135	135	60
12/08/2021	10	140	140	65
12/08/2021	11	142	140	67
12/08/2021	12	142	140	68
12/08/2021	13	142	140	69
12/08/2021	14	146	146	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/08/2021	15	146	146	69
12/08/2021	16	146	146	68
12/08/2021	17	146	146	68
12/08/2021	18	146	146	72
12/08/2021	19	146	146	69
12/08/2021	20	146	146	68
12/08/2021	21	146	146	66
12/08/2021	22	134	125	62
12/08/2021	23	131	125	58
12/08/2021	24	125	125	55
12/09/2021	1	119	119	54
12/09/2021	2	119	119	52
12/09/2021	3	119	119	51
12/09/2021	4	119	119	50
12/09/2021	5	119	119	54
12/09/2021	6	137	137	56
12/09/2021	7	137	137	55
12/09/2021	8	137	137	60
12/09/2021	9	150	150	67
12/09/2021	10	150	150	71
12/09/2021	11	150	150	74
12/09/2021	12	150	150	73
12/09/2021	13	150	150	74
12/09/2021	14	150	150	78
12/09/2021	15	150	150	75
12/09/2021	16	150	150	72
12/09/2021	17	150	150	71
12/09/2021	18	150	150	74
12/09/2021	19	150	150	71
12/09/2021	20	150	150	69
12/09/2021	21	150	150	66
12/09/2021	22	150	150	63
12/09/2021	23	150	150	60
12/09/2021	24	150	150	56
12/10/2021	1	135	135	55
12/10/2021	2	135	135	54
12/10/2021	3	135	135	52
12/10/2021	4	135	135	52
12/10/2021	5	150	150	53
12/10/2021	6	150	150	56
12/10/2021	7	148	147	55
12/10/2021	8	150	150	60
12/10/2021	9	150	150	67
12/10/2021	10	150	150	71
12/10/2021	11	150	150	74
12/10/2021	12	150	150	74
12/10/2021	13	150	150	73
12/10/2021	14	150	150	78
12/10/2021	15	150	150	75
12/10/2021	16	150	150	74
12/10/2021	17	150	150	71
12/10/2021	18	150	150	73
12/10/2021	19	150	150	70
12/10/2021	20	150	150	68
12/10/2021	21	150	150	66
12/10/2021	22	135	125	62
12/10/2021	23	132	125	58
12/10/2021	24	125	125	56
12/11/2021	1	105	105	51
12/11/2021	2	105	105	49
12/11/2021	3	105	105	48
12/11/2021	4	105	105	48
12/11/2021	5	115	115	50
12/11/2021	6	115	115	53
12/11/2021	7	115	115	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/11/2021	8	115	115	55
12/11/2021	9	142	115	60
12/11/2021	10	144	130	65
12/11/2021	11	148	141	67
12/11/2021	12	149	141	66
12/11/2021	13	149	141	67
12/11/2021	14	150	150	69
12/11/2021	15	150	150	68
12/11/2021	16	150	150	68
12/11/2021	17	150	150	67
12/11/2021	18	150	150	74
12/11/2021	19	150	150	70
12/11/2021	20	149	141	67
12/11/2021	21	149	137	66
12/11/2021	22	135	128	62
12/11/2021	23	132	128	59
12/11/2021	24	128	127	56
12/12/2021	1	115	115	53
12/12/2021	2	112	111	51
12/12/2021	3	105	105	50
12/12/2021	4	105	105	49
12/12/2021	5	105	105	51
12/12/2021	6	109	109	52
12/12/2021	7	105	105	50
12/12/2021	8	105	105	51
12/12/2021	9	108	108	52
12/12/2021	10	115	115	54
12/12/2021	11	115	115	57
12/12/2021	12	115	115	56
12/12/2021	13	121	115	57
12/12/2021	14	125	125	57
12/12/2021	15	125	125	58
12/12/2021	16	125	125	56
12/12/2021	17	125	125	59
12/12/2021	18	144	141	69
12/12/2021	19	145	140	65
12/12/2021	20	145	140	64
12/12/2021	21	140	140	61
12/12/2021	22	134	115	60
12/12/2021	23	126	115	56
12/12/2021	24	105	105	52
12/13/2021	1	108	107	52
12/13/2021	2	115	115	52
12/13/2021	3	115	115	51
12/13/2021	4	115	115	50
12/13/2021	5	115	115	52
12/13/2021	6	115	115	54
12/13/2021	7	115	115	54
12/13/2021	8	115	115	58
12/13/2021	9	148	148	67
12/13/2021	10	150	150	71
12/13/2021	11	150	150	74
12/13/2021	12	150	150	73
12/13/2021	13	150	150	74
12/13/2021	14	150	150	78
12/13/2021	15	150	150	76
12/13/2021	16	150	150	75
12/13/2021	17	150	150	72
12/13/2021	18	150	150	76
12/13/2021	19	150	150	73
12/13/2021	20	147	131	70
12/13/2021	21	147	118	68
12/13/2021	22	138	115	63
12/13/2021	23	134	115	59
12/13/2021	24	115	115	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/14/2021	1	125	125	54
12/14/2021	2	125	125	52
12/14/2021	3	123	123	51
12/14/2021	4	125	125	50
12/14/2021	5	150	150	53
12/14/2021	6	150	150	56
12/14/2021	7	150	149	55
12/14/2021	8	150	150	59
12/14/2021	9	150	150	67
12/14/2021	10	150	150	72
12/14/2021	11	150	150	75
12/14/2021	12	150	150	74
12/14/2021	13	150	150	74
12/14/2021	14	150	150	78
12/14/2021	15	150	150	75
12/14/2021	16	150	150	74
12/14/2021	17	150	150	73
12/14/2021	18	150	150	75
12/14/2021	19	150	150	72
12/14/2021	20	150	150	70
12/14/2021	21	150	150	67
12/14/2021	22	135	135	63
12/14/2021	23	135	135	60
12/14/2021	24	135	135	57
12/15/2021	1	135	135	52
12/15/2021	2	135	135	51
12/15/2021	3	131	131	49
12/15/2021	4	135	135	50
12/15/2021	5	150	150	52
12/15/2021	6	150	150	54
12/15/2021	7	150	150	54
12/15/2021	8	150	150	60
12/15/2021	9	150	150	68
12/15/2021	10	150	150	72
12/15/2021	11	150	150	74
12/15/2021	12	150	150	74
12/15/2021	13	150	150	73
12/15/2021	14	150	150	77
12/15/2021	15	150	150	75
12/15/2021	16	150	150	73
12/15/2021	17	150	150	73
12/15/2021	18	150	150	75
12/15/2021	19	150	150	73
12/15/2021	20	150	150	71
12/15/2021	21	150	150	68
12/15/2021	22	150	150	64
12/15/2021	23	150	150	61
12/15/2021	24	150	150	57
12/16/2021	1	140	140	54
12/16/2021	2	140	140	53
12/16/2021	3	140	139	51
12/16/2021	4	140	140	50
12/16/2021	5	140	140	52
12/16/2021	6	150	150	55
12/16/2021	7	150	150	54
12/16/2021	8	149	149	57
12/16/2021	9	150	150	65
12/16/2021	10	150	150	67
12/16/2021	11	150	150	69
12/16/2021	12	150	150	68
12/16/2021	13	150	150	68
12/16/2021	14	150	150	70
12/16/2021	15	150	150	69
12/16/2021	16	150	150	69
12/16/2021	17	150	150	67

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/16/2021	18	150	150	71
12/16/2021	19	150	150	70
12/16/2021	20	150	150	68
12/16/2021	21	150	150	65
12/16/2021	22	133	125	61
12/16/2021	23	131	125	57
12/16/2021	24	120	119	55
12/17/2021	1	135	135	54
12/17/2021	2	135	135	53
12/17/2021	3	126	126	51
12/17/2021	4	135	135	50
12/17/2021	5	135	135	52
12/17/2021	6	150	150	55
12/17/2021	7	150	150	54
12/17/2021	8	150	150	59
12/17/2021	9	150	150	65
12/17/2021	10	150	150	70
12/17/2021	11	150	150	72
12/17/2021	12	150	150	72
12/17/2021	13	150	150	72
12/17/2021	14	150	150	74
12/17/2021	15	150	150	73
12/17/2021	16	150	150	72
12/17/2021	17	150	150	70
12/17/2021	18	150	150	72
12/17/2021	19	150	150	70
12/17/2021	20	150	150	68
12/17/2021	21	150	150	66
12/17/2021	22	133	115	60
12/17/2021	23	131	115	58
12/17/2021	24	113	112	54
12/18/2021	1	115	115	54
12/18/2021	2	115	115	52
12/18/2021	3	115	115	51
12/18/2021	4	115	115	50
12/18/2021	5	115	115	52
12/18/2021	6	115	115	54
12/18/2021	7	115	115	53
12/18/2021	8	115	115	57
12/18/2021	9	135	115	61
12/18/2021	10	143	142	66
12/18/2021	11	150	150	69
12/18/2021	12	150	150	69
12/18/2021	13	150	150	70
12/18/2021	14	150	150	73
12/18/2021	15	150	150	72
12/18/2021	16	150	150	70
12/18/2021	17	150	150	68
12/18/2021	18	150	150	74
12/18/2021	19	150	150	71
12/18/2021	20	150	150	69
12/18/2021	21	150	150	67
12/18/2021	22	150	150	63
12/18/2021	23	145	144	58
12/18/2021	24	145	144	57
12/19/2021	1	145	145	53
12/19/2021	2	145	144	52
12/19/2021	3	138	137	50
12/19/2021	4	131	130	49
12/19/2021	5	116	115	50
12/19/2021	6	116	115	51
12/19/2021	7	116	115	51
12/19/2021	8	116	115	52
12/19/2021	9	115	115	54
12/19/2021	10	115	115	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/19/2021	11	128	115	58
12/19/2021	12	137	117	59
12/19/2021	13	140	128	60
12/19/2021	14	140	135	62
12/19/2021	15	140	138	61
12/19/2021	16	140	139	61
12/19/2021	17	140	139	61
12/19/2021	18	150	150	69
12/19/2021	19	150	150	67
12/19/2021	20	150	150	66
12/19/2021	21	150	150	64
12/19/2021	22	150	150	61
12/19/2021	23	150	150	58
12/19/2021	24	150	150	54
12/20/2021	1	125	125	52
12/20/2021	2	120	120	51
12/20/2021	3	115	115	50
12/20/2021	4	115	115	49
12/20/2021	5	115	115	50
12/20/2021	6	122	121	53
12/20/2021	7	121	121	53
12/20/2021	8	150	150	58
12/20/2021	9	150	150	67
12/20/2021	10	150	150	71
12/20/2021	11	150	150	76
12/20/2021	12	150	150	76
12/20/2021	13	150	150	76
12/20/2021	14	150	150	78
12/20/2021	15	150	150	78
12/20/2021	16	150	150	75
12/20/2021	17	150	150	72
12/20/2021	18	150	150	74
12/20/2021	19	150	150	73
12/20/2021	20	150	150	70
12/20/2021	21	150	150	69
12/20/2021	22	150	150	63
12/20/2021	23	150	150	60
12/20/2021	24	150	150	57
12/21/2021	1	132	132	57
12/21/2021	2	132	132	55
12/21/2021	3	132	132	53
12/21/2021	4	132	132	52
12/21/2021	5	150	150	55
12/21/2021	6	150	150	58
12/21/2021	7	150	150	57
12/21/2021	8	150	150	61
12/21/2021	9	150	150	70
12/21/2021	10	150	150	74
12/21/2021	11	150	150	78
12/21/2021	12	150	150	77
12/21/2021	13	150	150	76
12/21/2021	14	150	150	80
12/21/2021	15	150	150	79
12/21/2021	16	150	150	75
12/21/2021	17	150	150	74
12/21/2021	18	150	150	77
12/21/2021	19	150	150	73
12/21/2021	20	150	150	72
12/21/2021	21	150	150	69
12/21/2021	22	150	150	65
12/21/2021	23	150	150	61
12/21/2021	24	150	150	58
12/22/2021	1	120	120	53
12/22/2021	2	120	120	52
12/22/2021	3	120	120	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/22/2021	4	120	120	50
12/22/2021	5	135	135	52
12/22/2021	6	135	135	55
12/22/2021	7	133	132	54
12/22/2021	8	135	135	58
12/22/2021	9	150	135	66
12/22/2021	10	150	150	70
12/22/2021	11	150	150	74
12/22/2021	12	150	150	76
12/22/2021	13	150	150	77
12/22/2021	14	150	150	79
12/22/2021	15	150	150	76
12/22/2021	16	150	150	74
12/22/2021	17	150	150	71
12/22/2021	18	150	150	74
12/22/2021	19	150	150	71
12/22/2021	20	150	150	71
12/22/2021	21	150	150	68
12/22/2021	22	140	140	63
12/22/2021	23	140	140	60
12/22/2021	24	132	132	56
12/23/2021	1	140	140	55
12/23/2021	2	140	140	54
12/23/2021	3	140	140	52
12/23/2021	4	140	140	52
12/23/2021	5	150	150	53
12/23/2021	6	150	150	57
12/23/2021	7	144	144	54
12/23/2021	8	150	150	59
12/23/2021	9	150	150	66
12/23/2021	10	150	150	70
12/23/2021	11	150	150	74
12/23/2021	12	150	150	74
12/23/2021	13	150	150	75
12/23/2021	14	150	150	79
12/23/2021	15	150	150	76
12/23/2021	16	150	150	74
12/23/2021	17	150	150	72
12/23/2021	18	150	150	73
12/23/2021	19	150	150	70
12/23/2021	20	150	150	70
12/23/2021	21	150	150	68
12/23/2021	22	150	150	64
12/23/2021	23	145	144	60
12/23/2021	24	144	144	56
12/24/2021	1	135	135	55
12/24/2021	2	135	135	53
12/24/2021	3	135	134	51
12/24/2021	4	135	135	50
12/24/2021	5	135	135	50
12/24/2021	6	135	135	52
12/24/2021	7	135	135	55
12/24/2021	8	135	135	55
12/24/2021	9	135	135	58
12/24/2021	10	135	135	62
12/24/2021	11	150	150	68
12/24/2021	12	150	150	70
12/24/2021	13	150	150	72
12/24/2021	14	150	150	74
12/24/2021	15	150	150	73
12/24/2021	16	150	150	70
12/24/2021	17	150	150	68
12/24/2021	18	150	150	68
12/24/2021	19	150	150	71
12/24/2021	20	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/24/2021	21	150	150	68
12/24/2021	22	150	150	64
12/24/2021	23	150	150	60
12/24/2021	24	150	149	58
12/25/2021	1	115	115	53
12/25/2021	2	115	115	51
12/25/2021	3	115	115	50
12/25/2021	4	115	115	50
12/25/2021	5	115	115	52
12/25/2021	6	115	115	54
12/25/2021	7	115	115	53
12/25/2021	8	115	115	56
12/25/2021	9	127	115	60
12/25/2021	10	150	150	65
12/25/2021	11	150	150	68
12/25/2021	12	150	150	68
12/25/2021	13	150	150	68
12/25/2021	14	150	150	71
12/25/2021	15	150	150	70
12/25/2021	16	150	150	68
12/25/2021	17	150	150	66
12/25/2021	18	150	150	73
12/25/2021	19	150	150	70
12/25/2021	20	150	150	68
12/25/2021	21	150	150	66
12/25/2021	22	150	150	62
12/25/2021	23	150	150	59
12/25/2021	24	150	150	56
12/26/2021	1	115	115	53
12/26/2021	2	115	115	51
12/26/2021	3	115	115	50
12/26/2021	4	115	115	49
12/26/2021	5	115	115	50
12/26/2021	6	115	115	51
12/26/2021	7	115	115	50
12/26/2021	8	115	115	50
12/26/2021	9	112	111	52
12/26/2021	10	115	115	55
12/26/2021	11	125	125	57
12/26/2021	12	125	125	58
12/26/2021	13	131	125	59
12/26/2021	14	150	150	60
12/26/2021	15	150	150	60
12/26/2021	16	150	150	58
12/26/2021	17	150	150	59
12/26/2021	18	150	150	69
12/26/2021	19	150	150	66
12/26/2021	20	150	150	65
12/26/2021	21	150	150	64
12/26/2021	22	145	145	61
12/26/2021	23	145	145	57
12/26/2021	24	138	137	54
12/27/2021	1	135	135	52
12/27/2021	2	130	130	50
12/27/2021	3	130	130	49
12/27/2021	4	135	135	49
12/27/2021	5	135	135	50
12/27/2021	6	135	135	54
12/27/2021	7	135	135	53
12/27/2021	8	150	150	58
12/27/2021	9	150	150	66
12/27/2021	10	150	150	70
12/27/2021	11	150	150	73
12/27/2021	12	150	150	72
12/27/2021	13	150	150	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/27/2021	14	150	150	77
12/27/2021	15	150	150	74
12/27/2021	16	150	150	73
12/27/2021	17	150	150	70
12/27/2021	18	150	150	74
12/27/2021	19	150	150	72
12/27/2021	20	150	150	70
12/27/2021	21	150	150	67
12/27/2021	22	150	150	63
12/27/2021	23	150	150	59
12/27/2021	24	150	150	56
12/28/2021	1	125	125	54
12/28/2021	2	125	125	53
12/28/2021	3	125	125	51
12/28/2021	4	125	125	50
12/28/2021	5	125	125	51
12/28/2021	6	125	125	53
12/28/2021	7	125	125	54
12/28/2021	8	125	125	55
12/28/2021	9	125	125	59
12/28/2021	10	150	150	66
12/28/2021	11	150	150	69
12/28/2021	12	150	150	70
12/28/2021	13	150	150	72
12/28/2021	14	150	150	76
12/28/2021	15	150	150	74
12/28/2021	16	150	150	71
12/28/2021	17	150	150	71
12/28/2021	18	150	150	70
12/28/2021	19	150	150	73
12/28/2021	20	150	150	71
12/28/2021	21	150	150	69
12/28/2021	22	150	150	65
12/28/2021	23	150	150	62
12/28/2021	24	150	150	58
12/29/2021	1	125	125	55
12/29/2021	2	125	125	53
12/29/2021	3	125	125	52
12/29/2021	4	125	125	51
12/29/2021	5	125	125	50
12/29/2021	6	125	125	52
12/29/2021	7	120	120	54
12/29/2021	8	120	120	54
12/29/2021	9	120	120	56
12/29/2021	10	148	125	62
12/29/2021	11	148	125	66
12/29/2021	12	148	125	68
12/29/2021	13	148	125	68
12/29/2021	14	150	150	68
12/29/2021	15	150	150	70
12/29/2021	16	150	150	70
12/29/2021	17	150	150	70
12/29/2021	18	150	150	70
12/29/2021	19	150	150	74
12/29/2021	20	150	150	71
12/29/2021	21	150	150	70
12/29/2021	22	150	150	67
12/29/2021	23	150	150	63
12/29/2021	24	150	150	60
12/30/2021	1	125	125	55
12/30/2021	2	125	125	54
12/30/2021	3	125	125	52
12/30/2021	4	125	125	51
12/30/2021	5	125	125	51
12/30/2021	6	125	125	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/30/2021	7	125	125	55
12/30/2021	8	125	125	55
12/30/2021	9	125	125	58
12/30/2021	10	150	150	64
12/30/2021	11	150	150	68
12/30/2021	12	150	150	70
12/30/2021	13	150	150	69
12/30/2021	14	150	150	70
12/30/2021	15	150	150	71
12/30/2021	16	150	150	69
12/30/2021	17	150	150	69
12/30/2021	18	150	150	70
12/30/2021	19	150	150	73
12/30/2021	20	150	150	70
12/30/2021	21	150	150	68
12/30/2021	22	135	135	64
12/30/2021	23	135	135	60
12/30/2021	24	135	135	57
12/31/2021	1	126	125	54
12/31/2021	2	126	125	52
12/31/2021	3	126	125	51
12/31/2021	4	125	125	49
12/31/2021	5	125	125	49
12/31/2021	6	125	125	50
12/31/2021	7	128	125	53
12/31/2021	8	127	125	53
12/31/2021	9	125	125	55
12/31/2021	10	150	150	61
12/31/2021	11	150	150	65
12/31/2021	12	150	150	66
12/31/2021	13	150	150	66
12/31/2021	14	150	150	66
12/31/2021	15	150	150	68
12/31/2021	16	150	150	68
12/31/2021	17	150	150	70
12/31/2021	18	150	150	69
12/31/2021	19	150	150	74
12/31/2021	20	150	150	72
12/31/2021	21	150	150	69
12/31/2021	22	135	125	67
12/31/2021	23	129	125	63
12/31/2021	24	126	125	60
01/01/2022	1	128	125	55
01/01/2022	2	128	125	53
01/01/2022	3	128	125	52
01/01/2022	4	128	125	50
01/01/2022	5	125	125	49
01/01/2022	6	125	125	51
01/01/2022	7	128	125	52
01/01/2022	8	125	125	52
01/01/2022	9	125	125	54
01/01/2022	10	147	125	58
01/01/2022	11	150	150	62
01/01/2022	12	150	150	64
01/01/2022	13	150	150	65
01/01/2022	14	150	150	66
01/01/2022	15	150	150	68
01/01/2022	16	150	150	68
01/01/2022	17	150	150	66
01/01/2022	18	150	150	65
01/01/2022	19	150	150	72
01/01/2022	20	150	150	69
01/01/2022	21	150	150	67
01/01/2022	22	148	135	65
01/01/2022	23	135	135	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/01/2022	24	135	135	58
01/02/2022	1	128	125	54
01/02/2022	2	128	125	52
01/02/2022	3	128	125	51
01/02/2022	4	125	125	50
01/02/2022	5	115	115	49
01/02/2022	6	115	115	50
01/02/2022	7	115	115	51
01/02/2022	8	115	115	50
01/02/2022	9	115	115	51
01/02/2022	10	115	115	54
01/02/2022	11	138	125	56
01/02/2022	12	149	125	58
01/02/2022	13	148	125	58
01/02/2022	14	150	150	60
01/02/2022	15	150	150	62
01/02/2022	16	150	150	62
01/02/2022	17	150	150	62
01/02/2022	18	150	150	63
01/02/2022	19	150	150	70
01/02/2022	20	150	150	68
01/02/2022	21	150	150	66
01/02/2022	22	148	140	65
01/02/2022	23	140	140	62
01/02/2022	24	140	140	58
01/03/2022	1	128	115	54
01/03/2022	2	128	115	52
01/03/2022	3	128	115	51
01/03/2022	4	128	115	50
01/03/2022	5	115	115	49
01/03/2022	6	115	115	51
01/03/2022	7	128	115	53
01/03/2022	8	115	115	53
01/03/2022	9	132	115	56
01/03/2022	10	150	150	64
01/03/2022	11	150	150	68
01/03/2022	12	150	150	71
01/03/2022	13	150	150	71
01/03/2022	14	150	150	72
01/03/2022	15	150	150	75
01/03/2022	16	150	150	74
01/03/2022	17	150	150	73
01/03/2022	18	150	150	72
01/03/2022	19	150	150	75
01/03/2022	20	150	150	73
01/03/2022	21	150	150	70
01/03/2022	22	148	140	68
01/03/2022	23	140	140	64
01/03/2022	24	140	140	60
01/04/2022	1	125	125	57
01/04/2022	2	125	125	55
01/04/2022	3	125	125	53
01/04/2022	4	125	125	52
01/04/2022	5	125	125	51
01/04/2022	6	125	125	54
01/04/2022	7	125	125	56
01/04/2022	8	125	125	55
01/04/2022	9	125	125	58
01/04/2022	10	150	150	64
01/04/2022	11	150	150	68
01/04/2022	12	150	150	69
01/04/2022	13	150	150	69
01/04/2022	14	150	150	68
01/04/2022	15	150	150	69
01/04/2022	16	150	150	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/04/2022	17	150	150	70
01/04/2022	18	150	150	70
01/04/2022	19	150	150	74
01/04/2022	20	150	150	71
01/04/2022	21	150	150	68
01/04/2022	22	148	132	66
01/04/2022	23	125	125	61
01/04/2022	24	125	125	58
01/05/2022	1	120	120	53
01/05/2022	2	120	120	51
01/05/2022	3	120	120	50
01/05/2022	4	120	120	50
01/05/2022	5	120	120	51
01/05/2022	6	120	120	54
01/05/2022	7	121	120	54
01/05/2022	8	121	120	56
01/05/2022	9	125	120	62
01/05/2022	10	150	150	65
01/05/2022	11	150	150	69
01/05/2022	12	150	150	69
01/05/2022	13	150	150	70
01/05/2022	14	150	150	72
01/05/2022	15	150	150	73
01/05/2022	16	150	150	71
01/05/2022	17	150	150	68
01/05/2022	18	150	150	71
01/05/2022	19	150	150	69
01/05/2022	20	150	150	67
01/05/2022	21	150	150	65
01/05/2022	22	148	120	61
01/05/2022	23	123	120	58
01/05/2022	24	120	120	55
01/06/2022	1	125	125	53
01/06/2022	2	125	125	52
01/06/2022	3	125	125	51
01/06/2022	4	125	125	50
01/06/2022	5	125	125	51
01/06/2022	6	125	125	55
01/06/2022	7	125	125	54
01/06/2022	8	125	125	58
01/06/2022	9	125	125	63
01/06/2022	10	150	150	67
01/06/2022	11	150	150	70
01/06/2022	12	150	150	70
01/06/2022	13	150	150	71
01/06/2022	14	150	150	74
01/06/2022	15	150	150	75
01/06/2022	16	150	150	72
01/06/2022	17	150	150	69
01/06/2022	18	150	150	73
01/06/2022	19	150	150	72
01/06/2022	20	150	150	69
01/06/2022	21	150	150	67
01/06/2022	22	147	125	63
01/06/2022	23	125	125	59
01/06/2022	24	125	125	56
01/07/2022	1	125	125	54
01/07/2022	2	125	125	53
01/07/2022	3	125	125	52
01/07/2022	4	125	125	51
01/07/2022	5	125	125	52
01/07/2022	6	125	125	56
01/07/2022	7	125	125	54
01/07/2022	8	125	125	59
01/07/2022	9	125	125	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/07/2022	10	150	150	70
01/07/2022	11	150	150	73
01/07/2022	12	150	150	72
01/07/2022	13	150	150	74
01/07/2022	14	150	150	76
01/07/2022	15	150	150	76
01/07/2022	16	150	150	73
01/07/2022	17	150	150	70
01/07/2022	18	150	150	74
01/07/2022	19	150	150	72
01/07/2022	20	150	150	70
01/07/2022	21	150	150	68
01/07/2022	22	146	125	64
01/07/2022	23	125	125	60
01/07/2022	24	125	125	56
01/08/2022	1	122	115	52
01/08/2022	2	115	115	50
01/08/2022	3	115	115	49
01/08/2022	4	115	115	49
01/08/2022	5	115	115	50
01/08/2022	6	125	125	53
01/08/2022	7	125	125	54
01/08/2022	8	125	125	55
01/08/2022	9	126	125	57
01/08/2022	10	150	150	60
01/08/2022	11	150	150	64
01/08/2022	12	150	150	65
01/08/2022	13	150	150	65
01/08/2022	14	150	150	66
01/08/2022	15	150	150	68
01/08/2022	16	150	150	68
01/08/2022	17	150	150	67
01/08/2022	18	150	150	72
01/08/2022	19	150	150	70
01/08/2022	20	150	150	68
01/08/2022	21	150	150	66
01/08/2022	22	146	125	62
01/08/2022	23	125	125	59
01/08/2022	24	125	125	56
01/09/2022	1	115	115	52
01/09/2022	2	117	115	51
01/09/2022	3	115	115	50
01/09/2022	4	115	115	49
01/09/2022	5	115	115	51
01/09/2022	6	115	115	51
01/09/2022	7	115	115	51
01/09/2022	8	115	115	51
01/09/2022	9	135	135	52
01/09/2022	10	150	150	54
01/09/2022	11	150	150	56
01/09/2022	12	150	150	57
01/09/2022	13	150	150	57
01/09/2022	14	150	150	58
01/09/2022	15	150	150	58
01/09/2022	16	150	150	58
01/09/2022	17	150	150	61
01/09/2022	18	150	150	69
01/09/2022	19	150	150	67
01/09/2022	20	150	150	66
01/09/2022	21	150	150	65
01/09/2022	22	146	125	62
01/09/2022	23	125	125	58
01/09/2022	24	125	125	56
01/10/2022	1	125	125	53
01/10/2022	2	125	125	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/10/2022	3	125	125	51
01/10/2022	4	125	125	50
01/10/2022	5	125	125	51
01/10/2022	6	125	125	54
01/10/2022	7	125	125	54
01/10/2022	8	128	125	58
01/10/2022	9	135	135	64
01/10/2022	10	150	150	70
01/10/2022	11	150	150	72
01/10/2022	12	150	150	71
01/10/2022	13	150	150	74
01/10/2022	14	150	150	76
01/10/2022	15	150	150	75
01/10/2022	16	150	150	74
01/10/2022	17	150	150	70
01/10/2022	18	150	150	74
01/10/2022	19	150	150	72
01/10/2022	20	150	150	69
01/10/2022	21	150	150	68
01/10/2022	22	146	125	64
01/10/2022	23	129	125	60
01/10/2022	24	126	125	57
01/11/2022	1	125	125	55
01/11/2022	2	125	125	54
01/11/2022	3	125	125	52
01/11/2022	4	125	125	52
01/11/2022	5	125	125	54
01/11/2022	6	125	125	56
01/11/2022	7	140	140	56
01/11/2022	8	140	140	59
01/11/2022	9	140	140	66
01/11/2022	10	150	150	69
01/11/2022	11	150	150	73
01/11/2022	12	150	150	71
01/11/2022	13	150	150	74
01/11/2022	14	150	150	78
01/11/2022	15	150	150	76
01/11/2022	16	150	150	72
01/11/2022	17	150	150	71
01/11/2022	18	150	150	74
01/11/2022	19	150	150	72
01/11/2022	20	150	150	70
01/11/2022	21	150	150	68
01/11/2022	22	147	140	64
01/11/2022	23	140	140	61
01/11/2022	24	140	140	57
01/12/2022	1	125	125	56
01/12/2022	2	125	125	52
01/12/2022	3	125	125	51
01/12/2022	4	125	125	52
01/12/2022	5	125	125	53
01/12/2022	6	125	125	56
01/12/2022	7	125	125	55
01/12/2022	8	125	125	59
01/12/2022	9	150	150	67
01/12/2022	10	150	150	73
01/12/2022	11	150	150	76
01/12/2022	12	150	150	76
01/12/2022	13	150	150	79
01/12/2022	14	150	150	82
01/12/2022	15	150	150	78
01/12/2022	16	150	150	76
01/12/2022	17	150	150	73
01/12/2022	18	150	150	73
01/12/2022	19	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/12/2022	20	150	150	71
01/12/2022	21	150	150	68
01/12/2022	22	135	135	64
01/12/2022	23	135	135	60
01/12/2022	24	135	135	57
01/13/2022	1	135	135	56
01/13/2022	2	135	135	54
01/13/2022	3	135	135	53
01/13/2022	4	135	135	52
01/13/2022	5	135	135	53
01/13/2022	6	135	135	57
01/13/2022	7	135	135	57
01/13/2022	8	135	135	59
01/13/2022	9	150	150	66
01/13/2022	10	150	150	71
01/13/2022	11	150	150	74
01/13/2022	12	150	150	75
01/13/2022	13	150	150	79
01/13/2022	14	150	150	83
01/13/2022	15	150	150	80
01/13/2022	16	150	150	78
01/13/2022	17	150	150	74
01/13/2022	18	150	150	74
01/13/2022	19	150	150	73
01/13/2022	20	150	150	72
01/13/2022	21	150	150	69
01/13/2022	22	145	145	66
01/13/2022	23	145	145	62
01/13/2022	24	145	145	58
01/14/2022	1	135	135	56
01/14/2022	2	135	135	54
01/14/2022	3	135	135	52
01/14/2022	4	135	135	52
01/14/2022	5	135	135	54
01/14/2022	6	135	135	57
01/14/2022	7	135	135	57
01/14/2022	8	135	135	60
01/14/2022	9	150	150	68
01/14/2022	10	150	150	71
01/14/2022	11	150	150	74
01/14/2022	12	150	150	75
01/14/2022	13	150	150	77
01/14/2022	14	150	150	79
01/14/2022	15	150	150	79
01/14/2022	16	150	150	76
01/14/2022	17	150	150	73
01/14/2022	18	150	150	74
01/14/2022	19	150	150	74
01/14/2022	20	150	150	71
01/14/2022	21	150	150	69
01/14/2022	22	145	145	66
01/14/2022	23	145	145	62
01/14/2022	24	145	145	58
01/15/2022	1	135	135	52
01/15/2022	2	135	135	51
01/15/2022	3	125	125	50
01/15/2022	4	123	123	49
01/15/2022	5	135	135	52
01/15/2022	6	135	135	52
01/15/2022	7	135	135	52
01/15/2022	8	135	135	53
01/15/2022	9	150	150	58
01/15/2022	10	150	150	61
01/15/2022	11	150	150	63
01/15/2022	12	150	150	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/15/2022	13	150	150	65
01/15/2022	14	150	150	69
01/15/2022	15	150	150	68
01/15/2022	16	150	150	66
01/15/2022	17	150	150	64
01/15/2022	18	150	150	71
01/15/2022	19	150	150	69
01/15/2022	20	150	150	68
01/15/2022	21	150	150	66
01/15/2022	22	145	145	61
01/15/2022	23	145	145	59
01/15/2022	24	145	145	58
01/16/2022	1	122	122	51
01/16/2022	2	122	122	50
01/16/2022	3	122	122	48
01/16/2022	4	122	122	48
01/16/2022	5	122	122	50
01/16/2022	6	122	122	50
01/16/2022	7	122	122	50
01/16/2022	8	122	122	51
01/16/2022	9	150	150	54
01/16/2022	10	150	150	57
01/16/2022	11	150	150	60
01/16/2022	12	150	150	60
01/16/2022	13	150	150	61
01/16/2022	14	150	150	62
01/16/2022	15	150	150	62
01/16/2022	16	150	150	61
01/16/2022	17	150	150	60
01/16/2022	18	150	150	68
01/16/2022	19	150	150	67
01/16/2022	20	150	150	66
01/16/2022	21	150	150	64
01/16/2022	22	145	145	62
01/16/2022	23	145	145	58
01/16/2022	24	145	145	55
01/17/2022	1	125	125	53
01/17/2022	2	125	125	50
01/17/2022	3	125	125	49
01/17/2022	4	125	125	49
01/17/2022	5	125	125	50
01/17/2022	6	125	125	53
01/17/2022	7	125	125	53
01/17/2022	8	125	125	58
01/17/2022	9	150	150	66
01/17/2022	10	150	150	70
01/17/2022	11	150	150	73
01/17/2022	12	150	150	73
01/17/2022	13	150	150	74
01/17/2022	14	150	150	78
01/17/2022	15	150	150	77
01/17/2022	16	150	150	75
01/17/2022	17	150	150	70
01/17/2022	18	150	150	72
01/17/2022	19	150	150	71
01/17/2022	20	150	150	70
01/17/2022	21	150	150	67
01/17/2022	22	145	145	63
01/17/2022	23	145	145	59
01/17/2022	24	145	145	57
01/18/2022	1	150	110	53
01/18/2022	2	150	110	52
01/18/2022	3	150	110	50
01/18/2022	4	150	110	50
01/18/2022	5	150	110	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/18/2022	6	150	110	54
01/18/2022	7	150	126	53
01/18/2022	8	150	126	58
01/18/2022	9	150	149	64
01/18/2022	10	150	149	71
01/18/2022	11	150	149	73
01/18/2022	12	150	149	74
01/18/2022	13	150	149	75
01/18/2022	14	150	149	76
01/18/2022	15	150	149	74
01/18/2022	16	150	149	72
01/18/2022	17	150	149	71
01/18/2022	18	150	149	72
01/18/2022	19	150	149	70
01/18/2022	20	150	149	69
01/18/2022	21	150	141	67
01/18/2022	22	150	139	64
01/18/2022	23	150	132	61
01/18/2022	24	150	131	57
01/19/2022	1	150	94	50
01/19/2022	2	150	94	49
01/19/2022	3	150	94	48
01/19/2022	4	150	94	47
01/19/2022	5	150	94	49
01/19/2022	6	150	94	52
01/19/2022	7	150	94	53
01/19/2022	8	150	94	55
01/19/2022	9	150	114	61
01/19/2022	10	150	138	65
01/19/2022	11	150	150	68
01/19/2022	12	150	150	69
01/19/2022	13	150	150	70
01/19/2022	14	150	150	72
01/19/2022	15	150	150	71
01/19/2022	16	150	150	71
01/19/2022	17	150	150	70
01/19/2022	18	150	150	69
01/19/2022	19	150	150	68
01/19/2022	20	150	150	66
01/19/2022	21	150	150	63
01/19/2022	22	150	133	60
01/19/2022	23	150	107	57
01/19/2022	24	150	107	54
01/20/2022	1	150	99	56
01/20/2022	2	150	99	53
01/20/2022	3	150	99	51
01/20/2022	4	150	99	50
01/20/2022	5	150	99	53
01/20/2022	6	150	99	55
01/20/2022	7	150	99	55
01/20/2022	8	150	99	55
01/20/2022	9	150	102	62
01/20/2022	10	150	150	69
01/20/2022	11	150	150	72
01/20/2022	12	150	150	72
01/20/2022	13	150	150	74
01/20/2022	14	150	150	76
01/20/2022	15	150	150	76
01/20/2022	16	150	150	72
01/20/2022	17	150	150	68
01/20/2022	18	150	150	72
01/20/2022	19	150	150	70
01/20/2022	20	150	150	67
01/20/2022	21	150	150	64
01/20/2022	22	150	132	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/20/2022	23	150	122	58
01/20/2022	24	150	122	56
01/21/2022	1	150	99	52
01/21/2022	2	150	99	51
01/21/2022	3	112	99	49
01/21/2022	4	112	99	48
01/21/2022	5	148	99	50
01/21/2022	6	150	99	54
01/21/2022	7	150	99	54
01/21/2022	8	150	99	56
01/21/2022	9	150	102	62
01/21/2022	10	150	150	67
01/21/2022	11	150	150	69
01/21/2022	12	150	150	69
01/21/2022	13	150	150	70
01/21/2022	14	150	150	74
01/21/2022	15	150	150	72
01/21/2022	16	150	150	70
01/21/2022	17	150	150	68
01/21/2022	18	150	150	70
01/21/2022	19	150	150	68
01/21/2022	20	150	150	66
01/21/2022	21	150	150	64
01/21/2022	22	150	132	60
01/21/2022	23	150	122	58
01/21/2022	24	132	122	54
01/22/2022	1	150	105	53
01/22/2022	2	150	105	52
01/22/2022	3	150	105	50
01/22/2022	4	150	94	49
01/22/2022	5	150	97	50
01/22/2022	6	150	102	51
01/22/2022	7	150	103	51
01/22/2022	8	150	108	52
01/22/2022	9	150	112	56
01/22/2022	10	150	122	58
01/22/2022	11	150	123	60
01/22/2022	12	150	138	62
01/22/2022	13	150	138	64
01/22/2022	14	150	150	65
01/22/2022	15	150	150	66
01/22/2022	16	150	150	65
01/22/2022	17	150	150	65
01/22/2022	18	150	150	68
01/22/2022	19	150	150	67
01/22/2022	20	150	150	65
01/22/2022	21	150	150	63
01/22/2022	22	150	133	60
01/22/2022	23	150	122	56
01/22/2022	24	150	121	55
01/23/2022	1	150	112	51
01/23/2022	2	133	112	49
01/23/2022	3	112	112	47
01/23/2022	4	112	112	47
01/23/2022	5	116	112	48
01/23/2022	6	145	112	49
01/23/2022	7	133	112	50
01/23/2022	8	117	112	50
01/23/2022	9	150	112	54
01/23/2022	10	150	132	56
01/23/2022	11	150	133	57
01/23/2022	12	150	134	57
01/23/2022	13	150	134	58
01/23/2022	14	150	136	58
01/23/2022	15	150	136	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/23/2022	16	150	136	58
01/23/2022	17	150	133	59
01/23/2022	18	150	150	66
01/23/2022	19	150	150	65
01/23/2022	20	150	150	63
01/23/2022	21	150	150	62
01/23/2022	22	150	132	58
01/23/2022	23	150	122	55
01/23/2022	24	150	122	52
01/24/2022	1	112	112	49
01/24/2022	2	112	112	48
01/24/2022	3	107	107	46
01/24/2022	4	108	107	46
01/24/2022	5	112	112	48
01/24/2022	6	144	112	50
01/24/2022	7	150	112	52
01/24/2022	8	150	112	55
01/24/2022	9	150	112	61
01/24/2022	10	150	150	65
01/24/2022	11	150	150	69
01/24/2022	12	150	150	68
01/24/2022	13	150	150	69
01/24/2022	14	150	150	71
01/24/2022	15	150	150	70
01/24/2022	16	150	150	69
01/24/2022	17	150	150	66
01/24/2022	18	150	150	70
01/24/2022	19	150	150	68
01/24/2022	20	150	150	66
01/24/2022	21	150	150	64
01/24/2022	22	150	134	60
01/24/2022	23	150	127	57
01/24/2022	24	150	127	54
01/25/2022	1	128	112	50
01/25/2022	2	119	112	50
01/25/2022	3	112	112	48
01/25/2022	4	112	112	48
01/25/2022	5	129	112	50
01/25/2022	6	150	112	52
01/25/2022	7	150	112	54
01/25/2022	8	150	112	56
01/25/2022	9	150	122	62
01/25/2022	10	150	139	66
01/25/2022	11	150	132	69
01/25/2022	12	150	132	68
01/25/2022	13	150	132	70
01/25/2022	14	150	150	72
01/25/2022	15	150	150	72
01/25/2022	16	150	150	70
01/25/2022	17	150	150	67
01/25/2022	18	150	132	70
01/25/2022	19	150	132	69
01/25/2022	20	150	132	66
01/25/2022	21	150	132	64
01/25/2022	22	150	136	60
01/25/2022	23	150	122	57
01/25/2022	24	150	122	54
01/26/2022	1	147	112	51
01/26/2022	2	112	112	49
01/26/2022	3	112	112	48
01/26/2022	4	112	112	47
01/26/2022	5	112	112	48
01/26/2022	6	150	112	51
01/26/2022	7	150	112	54
01/26/2022	8	150	112	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/26/2022	9	150	112	63
01/26/2022	10	150	140	66
01/26/2022	11	150	141	70
01/26/2022	12	150	143	69
01/26/2022	13	150	142	70
01/26/2022	14	150	150	73
01/26/2022	15	150	150	71
01/26/2022	16	150	150	70
01/26/2022	17	150	150	67
01/26/2022	18	150	150	70
01/26/2022	19	150	150	69
01/26/2022	20	150	150	66
01/26/2022	21	150	150	63
01/26/2022	22	150	136	59
01/26/2022	23	150	112	55
01/26/2022	24	150	112	53
01/27/2022	1	150	112	52
01/27/2022	2	150	112	51
01/27/2022	3	112	112	49
01/27/2022	4	112	112	49
01/27/2022	5	148	112	50
01/27/2022	6	150	112	52
01/27/2022	7	150	112	54
01/27/2022	8	150	112	57
01/27/2022	9	150	112	63
01/27/2022	10	150	150	68
01/27/2022	11	150	150	71
01/27/2022	12	150	150	70
01/27/2022	13	150	150	72
01/27/2022	14	150	150	74
01/27/2022	15	150	150	73
01/27/2022	16	150	150	71
01/27/2022	17	150	150	68
01/27/2022	18	150	150	71
01/27/2022	19	150	150	70
01/27/2022	20	150	150	66
01/27/2022	21	150	146	64
01/27/2022	22	150	118	60
01/27/2022	23	150	112	56
01/27/2022	24	150	112	53
01/28/2022	1	150	112	53
01/28/2022	2	150	112	51
01/28/2022	3	130	112	50
01/28/2022	4	112	112	49
01/28/2022	5	150	112	52
01/28/2022	6	150	112	54
01/28/2022	7	150	112	55
01/28/2022	8	150	112	57
01/28/2022	9	150	112	64
01/28/2022	10	150	150	68
01/28/2022	11	150	150	70
01/28/2022	12	150	150	72
01/28/2022	13	150	150	72
01/28/2022	14	150	150	75
01/28/2022	15	150	150	74
01/28/2022	16	150	150	73
01/28/2022	17	150	150	71
01/28/2022	18	150	150	71
01/28/2022	19	150	150	70
01/28/2022	20	150	150	68
01/28/2022	21	150	150	66
01/28/2022	22	150	112	62
01/28/2022	23	150	112	60
01/28/2022	24	150	112	56
01/29/2022	1	150	112	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/29/2022	2	144	112	51
01/29/2022	3	112	112	50
01/29/2022	4	112	112	49
01/29/2022	5	125	112	50
01/29/2022	6	150	112	52
01/29/2022	7	150	112	52
01/29/2022	8	150	112	53
01/29/2022	9	150	112	58
01/29/2022	10	150	150	62
01/29/2022	11	150	150	63
01/29/2022	12	150	150	63
01/29/2022	13	150	150	64
01/29/2022	14	150	150	67
01/29/2022	15	150	150	67
01/29/2022	16	150	150	66
01/29/2022	17	150	150	64
01/29/2022	18	150	150	70
01/29/2022	19	150	150	68
01/29/2022	20	150	150	66
01/29/2022	21	150	150	65
01/29/2022	22	150	112	61
01/29/2022	23	150	112	58
01/29/2022	24	150	112	56
01/30/2022	1	150	102	51
01/30/2022	2	122	102	49
01/30/2022	3	102	102	48
01/30/2022	4	102	102	47
01/30/2022	5	108	102	49
01/30/2022	6	124	102	50
01/30/2022	7	128	102	50
01/30/2022	8	119	102	50
01/30/2022	9	150	102	52
01/30/2022	10	132	132	56
01/30/2022	11	150	132	58
01/30/2022	12	145	132	58
01/30/2022	13	150	132	59
01/30/2022	14	150	132	59
01/30/2022	15	150	132	59
01/30/2022	16	150	132	58
01/30/2022	17	150	132	59
01/30/2022	18	150	132	66
01/30/2022	19	150	132	65
01/30/2022	20	150	132	64
01/30/2022	21	150	132	62
01/30/2022	22	150	112	59
01/30/2022	23	150	112	56
01/30/2022	24	150	112	53
01/31/2022	1	139	112	51
01/31/2022	2	112	112	50
01/31/2022	3	112	112	49
01/31/2022	4	112	112	49
01/31/2022	5	130	112	51
01/31/2022	6	150	112	53
01/31/2022	7	150	112	54
01/31/2022	8	150	112	58
01/31/2022	9	150	112	66
01/31/2022	10	150	137	71
01/31/2022	11	150	137	74
01/31/2022	12	150	137	73
01/31/2022	13	150	137	72
01/31/2022	14	150	137	75
01/31/2022	15	150	137	74
01/31/2022	16	150	137	72
01/31/2022	17	150	137	70
01/31/2022	18	150	137	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
01/31/2022	19	150	137	68
01/31/2022	20	150	137	67
01/31/2022	21	150	137	64
01/31/2022	22	150	112	60
01/31/2022	23	150	112	57
01/31/2022	24	150	112	54
02/01/2022	1	132	100	52
02/01/2022	2	100	100	51
02/01/2022	3	100	100	49
02/01/2022	4	100	100	49
02/01/2022	5	100	100	50
02/01/2022	6	120	100	52
02/01/2022	7	126	100	52
02/01/2022	8	150	100	56
02/01/2022	9	150	100	62
02/01/2022	10	150	122	66
02/01/2022	11	150	122	68
02/01/2022	12	150	122	68
02/01/2022	13	150	122	69
02/01/2022	14	150	137	70
02/01/2022	15	150	137	68
02/01/2022	16	150	137	68
02/01/2022	17	150	137	67
02/01/2022	18	150	131	67
02/01/2022	19	150	122	66
02/01/2022	20	150	122	65
02/01/2022	21	150	122	63
02/01/2022	22	150	113	59
02/01/2022	23	150	100	56
02/01/2022	24	122	100	53
02/02/2022	1	105	100	52
02/02/2022	2	100	100	50
02/02/2022	3	100	100	49
02/02/2022	4	100	100	48
02/02/2022	5	100	100	51
02/02/2022	6	139	100	54
02/02/2022	7	150	100	54
02/02/2022	8	150	100	58
02/02/2022	9	150	100	64
02/02/2022	10	150	125	70
02/02/2022	11	150	122	72
02/02/2022	12	150	122	72
02/02/2022	13	150	122	73
02/02/2022	14	150	137	76
02/02/2022	15	150	137	75
02/02/2022	16	150	137	74
02/02/2022	17	150	137	72
02/02/2022	18	150	131	71
02/02/2022	19	150	122	70
02/02/2022	20	150	122	68
02/02/2022	21	150	122	66
02/02/2022	22	150	113	62
02/02/2022	23	150	102	58
02/02/2022	24	139	102	55
02/03/2022	1	150	112	52
02/03/2022	2	139	112	50
02/03/2022	3	128	112	49
02/03/2022	4	129	112	48
02/03/2022	5	150	112	50
02/03/2022	6	150	112	53
02/03/2022	7	150	112	53
02/03/2022	8	150	112	57
02/03/2022	9	150	112	63
02/03/2022	10	150	150	70
02/03/2022	11	150	150	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/03/2022	12	150	150	72
02/03/2022	13	150	150	73
02/03/2022	14	150	150	75
02/03/2022	15	150	150	74
02/03/2022	16	150	150	72
02/03/2022	17	150	150	68
02/03/2022	18	150	150	69
02/03/2022	19	150	150	68
02/03/2022	20	150	150	66
02/03/2022	21	150	150	65
02/03/2022	22	150	112	60
02/03/2022	23	150	112	57
02/03/2022	24	150	112	54
02/04/2022	1	150	112	52
02/04/2022	2	146	112	50
02/04/2022	3	127	112	50
02/04/2022	4	112	112	49
02/04/2022	5	150	112	51
02/04/2022	6	150	112	54
02/04/2022	7	150	112	55
02/04/2022	8	150	112	58
02/04/2022	9	150	112	64
02/04/2022	10	150	150	68
02/04/2022	11	150	150	70
02/04/2022	12	150	150	70
02/04/2022	13	150	150	71
02/04/2022	14	150	150	73
02/04/2022	15	150	150	73
02/04/2022	16	150	150	72
02/04/2022	17	150	150	68
02/04/2022	18	150	150	71
02/04/2022	19	150	150	70
02/04/2022	20	150	150	68
02/04/2022	21	150	150	65
02/04/2022	22	150	119	62
02/04/2022	23	150	112	59
02/04/2022	24	150	112	55
02/05/2022	1	150	112	52
02/05/2022	2	150	112	51
02/05/2022	3	142	112	50
02/05/2022	4	120	112	49
02/05/2022	5	150	112	50
02/05/2022	6	150	112	52
02/05/2022	7	150	112	51
02/05/2022	8	150	112	52
02/05/2022	9	150	112	57
02/05/2022	10	150	132	60
02/05/2022	11	150	132	63
02/05/2022	12	150	132	64
02/05/2022	13	150	132	64
02/05/2022	14	150	137	67
02/05/2022	15	150	137	68
02/05/2022	16	150	137	66
02/05/2022	17	150	137	63
02/05/2022	18	150	137	66
02/05/2022	19	150	137	68
02/05/2022	20	150	137	67
02/05/2022	21	150	137	64
02/05/2022	22	150	119	61
02/05/2022	23	150	112	58
02/05/2022	24	150	112	56
02/06/2022	1	150	102	53
02/06/2022	2	150	102	52
02/06/2022	3	150	102	50
02/06/2022	4	146	102	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/06/2022	5	135	102	49
02/06/2022	6	150	102	50
02/06/2022	7	146	102	50
02/06/2022	8	134	102	50
02/06/2022	9	147	102	52
02/06/2022	10	150	112	54
02/06/2022	11	150	114	57
02/06/2022	12	150	112	59
02/06/2022	13	150	112	60
02/06/2022	14	150	137	61
02/06/2022	15	150	137	61
02/06/2022	16	150	137	60
02/06/2022	17	150	137	60
02/06/2022	18	150	137	65
02/06/2022	19	150	137	67
02/06/2022	20	150	137	66
02/06/2022	21	150	137	65
02/06/2022	22	150	119	62
02/06/2022	23	150	112	58
02/06/2022	24	150	112	55
02/07/2022	1	150	112	53
02/07/2022	2	150	112	51
02/07/2022	3	129	112	50
02/07/2022	4	112	112	49
02/07/2022	5	117	112	49
02/07/2022	6	150	112	52
02/07/2022	7	150	112	53
02/07/2022	8	150	112	57
02/07/2022	9	150	112	65
02/07/2022	10	150	150	70
02/07/2022	11	150	150	73
02/07/2022	12	150	150	73
02/07/2022	13	150	150	74
02/07/2022	14	150	150	76
02/07/2022	15	150	150	76
02/07/2022	16	150	150	74
02/07/2022	17	150	150	69
02/07/2022	18	150	150	70
02/07/2022	19	150	150	70
02/07/2022	20	150	150	68
02/07/2022	21	150	150	66
02/07/2022	22	150	120	62
02/07/2022	23	150	112	59
02/07/2022	24	150	112	56
02/08/2022	1	150	112	52
02/08/2022	2	139	112	51
02/08/2022	3	117	112	50
02/08/2022	4	121	112	49
02/08/2022	5	138	112	51
02/08/2022	6	150	112	54
02/08/2022	7	150	112	54
02/08/2022	8	150	112	57
02/08/2022	9	150	112	63
02/08/2022	10	150	137	66
02/08/2022	11	150	137	70
02/08/2022	12	150	137	69
02/08/2022	13	150	137	70
02/08/2022	14	150	137	73
02/08/2022	15	150	137	71
02/08/2022	16	150	137	70
02/08/2022	17	150	137	68
02/08/2022	18	150	117	69
02/08/2022	19	150	112	68
02/08/2022	20	150	112	66
02/08/2022	21	150	114	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/08/2022	22	150	118	60
02/08/2022	23	150	112	57
02/08/2022	24	150	112	54
02/09/2022	1	110	110	59
02/09/2022	2	110	110	58
02/09/2022	3	90	90	55
02/09/2022	4	90	90	55
02/09/2022	5	90	90	58
02/09/2022	6	90	90	60
02/09/2022	7	95	95	55
02/09/2022	8	100	100	62
02/09/2022	9	115	115	71
02/09/2022	10	135	135	76
02/09/2022	11	135	135	80
02/09/2022	12	135	135	78
02/09/2022	13	135	135	79
02/09/2022	14	135	135	83
02/09/2022	15	135	135	81
02/09/2022	16	135	135	80
02/09/2022	17	135	135	76
02/09/2022	18	135	135	78
02/09/2022	19	135	135	78
02/09/2022	20	135	135	77
02/09/2022	21	135	135	74
02/09/2022	22	135	135	69
02/09/2022	23	115	115	66
02/09/2022	24	110	110	63
02/10/2022	1	150	102	53
02/10/2022	2	150	102	52
02/10/2022	3	135	102	50
02/10/2022	4	125	102	50
02/10/2022	5	150	102	51
02/10/2022	6	150	102	54
02/10/2022	7	150	112	55
02/10/2022	8	150	112	58
02/10/2022	9	150	112	66
02/10/2022	10	150	150	69
02/10/2022	11	150	150	72
02/10/2022	12	150	150	70
02/10/2022	13	150	150	72
02/10/2022	14	150	150	74
02/10/2022	15	150	150	73
02/10/2022	16	150	150	72
02/10/2022	17	150	150	69
02/10/2022	18	150	150	71
02/10/2022	19	150	150	70
02/10/2022	20	150	150	68
02/10/2022	21	150	150	66
02/10/2022	22	150	122	62
02/10/2022	23	150	122	58
02/10/2022	24	150	122	55
02/11/2022	1	150	102	52
02/11/2022	2	140	102	51
02/11/2022	3	118	102	50
02/11/2022	4	117	102	49
02/11/2022	5	130	102	50
02/11/2022	6	150	122	54
02/11/2022	7	150	122	54
02/11/2022	8	150	122	57
02/11/2022	9	150	122	64
02/11/2022	10	150	150	67
02/11/2022	11	150	150	70
02/11/2022	12	150	150	68
02/11/2022	13	150	150	69
02/11/2022	14	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/11/2022	15	150	150	71
02/11/2022	16	150	150	69
02/11/2022	17	150	150	67
02/11/2022	18	150	150	68
02/11/2022	19	150	150	68
02/11/2022	20	150	150	65
02/11/2022	21	150	150	63
02/11/2022	22	150	112	60
02/11/2022	23	150	112	56
02/11/2022	24	150	112	54
02/12/2022	1	150	102	52
02/12/2022	2	126	102	50
02/12/2022	3	115	102	48
02/12/2022	4	102	102	48
02/12/2022	5	115	102	49
02/12/2022	6	122	102	50
02/12/2022	7	138	102	51
02/12/2022	8	146	102	52
02/12/2022	9	150	102	56
02/12/2022	10	150	112	59
02/12/2022	11	150	112	62
02/12/2022	12	150	112	61
02/12/2022	13	150	112	63
02/12/2022	14	150	137	65
02/12/2022	15	150	137	64
02/12/2022	16	150	137	64
02/12/2022	17	150	137	62
02/12/2022	18	150	137	66
02/12/2022	19	150	137	68
02/12/2022	20	150	137	66
02/12/2022	21	150	137	62
02/12/2022	22	150	112	60
02/12/2022	23	150	112	57
02/12/2022	24	150	112	54
02/13/2022	1	150	115	53
02/13/2022	2	150	115	50
02/13/2022	3	122	115	48
02/13/2022	4	123	115	48
02/13/2022	5	122	115	49
02/13/2022	6	140	115	50
02/13/2022	7	146	115	50
02/13/2022	8	125	115	50
02/13/2022	9	150	115	52
02/13/2022	10	150	136	55
02/13/2022	11	150	136	58
02/13/2022	12	150	136	58
02/13/2022	13	150	136	59
02/13/2022	14	150	137	60
02/13/2022	15	150	137	58
02/13/2022	16	150	137	59
02/13/2022	17	150	137	59
02/13/2022	18	150	142	64
02/13/2022	19	150	142	66
02/13/2022	20	150	142	65
02/13/2022	21	150	142	63
02/13/2022	22	150	137	60
02/13/2022	23	150	129	56
02/13/2022	24	150	127	52
02/14/2022	1	150	127	53
02/14/2022	2	150	127	51
02/14/2022	3	150	127	50
02/14/2022	4	150	127	49
02/14/2022	5	150	127	51
02/14/2022	6	150	128	53
02/14/2022	7	150	127	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/14/2022	8	150	129	58
02/14/2022	9	150	134	65
02/14/2022	10	150	150	69
02/14/2022	11	150	150	72
02/14/2022	12	150	150	72
02/14/2022	13	150	150	73
02/14/2022	14	150	150	76
02/14/2022	15	150	150	74
02/14/2022	16	150	150	72
02/14/2022	17	150	150	70
02/14/2022	18	150	150	70
02/14/2022	19	150	150	71
02/14/2022	20	150	150	69
02/14/2022	21	150	150	66
02/14/2022	22	150	137	64
02/14/2022	23	150	132	60
02/14/2022	24	150	132	56
02/15/2022	1	150	122	54
02/15/2022	2	150	122	52
02/15/2022	3	150	122	52
02/15/2022	4	150	122	51
02/15/2022	5	150	122	50
02/15/2022	6	150	123	54
02/15/2022	7	150	123	55
02/15/2022	8	150	122	58
02/15/2022	9	150	144	66
02/15/2022	10	150	148	70
02/15/2022	11	150	149	72
02/15/2022	12	150	149	70
02/15/2022	13	150	149	71
02/15/2022	14	150	149	74
02/15/2022	15	150	149	74
02/15/2022	16	150	148	72
02/15/2022	17	150	148	70
02/15/2022	18	150	150	72
02/15/2022	19	150	150	71
02/15/2022	20	150	150	68
02/15/2022	21	150	150	66
02/15/2022	22	150	150	63
02/15/2022	23	150	135	59
02/15/2022	24	150	135	56
02/16/2022	1	150	112	53
02/16/2022	2	150	112	51
02/16/2022	3	150	112	50
02/16/2022	4	150	112	50
02/16/2022	5	150	112	51
02/16/2022	6	150	122	54
02/16/2022	7	150	122	54
02/16/2022	8	150	122	58
02/16/2022	9	150	138	66
02/16/2022	10	150	150	70
02/16/2022	11	150	150	73
02/16/2022	12	150	150	72
02/16/2022	13	150	150	73
02/16/2022	14	150	150	76
02/16/2022	15	150	150	76
02/16/2022	16	150	150	74
02/16/2022	17	150	150	71
02/16/2022	18	150	150	72
02/16/2022	19	150	150	72
02/16/2022	20	150	150	69
02/16/2022	21	150	150	66
02/16/2022	22	150	149	63
02/16/2022	23	150	147	60
02/16/2022	24	150	147	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/17/2022	1	150	112	54
02/17/2022	2	150	112	52
02/17/2022	3	150	112	51
02/17/2022	4	150	111	50
02/17/2022	5	150	122	52
02/17/2022	6	150	122	55
02/17/2022	7	150	122	55
02/17/2022	8	150	122	58
02/17/2022	9	150	122	66
02/17/2022	10	150	150	70
02/17/2022	11	150	150	74
02/17/2022	12	150	150	74
02/17/2022	13	150	150	74
02/17/2022	14	150	150	76
02/17/2022	15	150	150	76
02/17/2022	16	150	150	73
02/17/2022	17	150	150	70
02/17/2022	18	150	150	71
02/17/2022	19	150	150	71
02/17/2022	20	150	150	68
02/17/2022	21	150	150	66
02/17/2022	22	150	150	63
02/17/2022	23	150	150	60
02/17/2022	24	150	150	56
02/18/2022	1	150	122	54
02/18/2022	2	150	122	52
02/18/2022	3	150	122	51
02/18/2022	4	150	122	51
02/18/2022	5	150	122	52
02/18/2022	6	150	150	55
02/18/2022	7	150	150	55
02/18/2022	8	150	150	59
02/18/2022	9	150	150	66
02/18/2022	10	150	150	71
02/18/2022	11	150	150	74
02/18/2022	12	150	150	74
02/18/2022	13	150	150	74
02/18/2022	14	150	150	77
02/18/2022	15	150	150	76
02/18/2022	16	150	150	75
02/18/2022	17	150	150	71
02/18/2022	18	150	150	71
02/18/2022	19	150	150	71
02/18/2022	20	150	150	70
02/18/2022	21	150	150	67
02/18/2022	22	150	150	64
02/18/2022	23	150	150	59
02/18/2022	24	150	150	57
02/19/2022	1	150	115	53
02/19/2022	2	150	115	52
02/19/2022	3	150	115	52
02/19/2022	4	150	115	51
02/19/2022	5	150	115	52
02/19/2022	6	150	122	54
02/19/2022	7	150	122	54
02/19/2022	8	150	122	54
02/19/2022	9	150	122	58
02/19/2022	10	150	146	62
02/19/2022	11	150	146	64
02/19/2022	12	150	148	64
02/19/2022	13	150	148	64
02/19/2022	14	150	150	66
02/19/2022	15	150	150	66
02/19/2022	16	150	150	65
02/19/2022	17	150	150	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/19/2022	18	150	148	67
02/19/2022	19	150	148	69
02/19/2022	20	150	148	67
02/19/2022	21	150	148	65
02/19/2022	22	150	148	61
02/19/2022	23	150	142	58
02/19/2022	24	150	142	55
02/20/2022	1	130	130	52
02/20/2022	2	130	130	50
02/20/2022	3	130	130	49
02/20/2022	4	130	130	48
02/20/2022	5	130	130	49
02/20/2022	6	135	135	50
02/20/2022	7	135	135	51
02/20/2022	8	135	135	50
02/20/2022	9	135	135	52
02/20/2022	10	150	150	54
02/20/2022	11	150	150	57
02/20/2022	12	150	150	57
02/20/2022	13	150	150	58
02/20/2022	14	150	150	58
02/20/2022	15	150	150	59
02/20/2022	16	150	150	59
02/20/2022	17	150	150	59
02/20/2022	18	150	150	64
02/20/2022	19	150	150	65
02/20/2022	20	150	150	63
02/20/2022	21	150	150	62
02/20/2022	22	150	145	59
02/20/2022	23	150	145	56
02/20/2022	24	148	145	52
02/21/2022	1	135	135	53
02/21/2022	2	135	135	52
02/21/2022	3	135	135	50
02/21/2022	4	135	135	49
02/21/2022	5	135	135	51
02/21/2022	6	150	150	54
02/21/2022	7	150	150	54
02/21/2022	8	150	150	57
02/21/2022	9	150	150	66
02/21/2022	10	150	150	70
02/21/2022	11	150	150	74
02/21/2022	12	150	150	74
02/21/2022	13	150	150	74
02/21/2022	14	150	150	77
02/21/2022	15	150	150	76
02/21/2022	16	150	150	75
02/21/2022	17	150	150	71
02/21/2022	18	150	150	71
02/21/2022	19	150	150	72
02/21/2022	20	150	150	70
02/21/2022	21	150	150	68
02/21/2022	22	150	150	65
02/21/2022	23	150	150	61
02/21/2022	24	150	150	58
02/22/2022	1	130	127	54
02/22/2022	2	130	127	52
02/22/2022	3	127	127	50
02/22/2022	4	127	127	50
02/22/2022	5	128	127	51
02/22/2022	6	130	127	54
02/22/2022	7	130	127	55
02/22/2022	8	130	127	59
02/22/2022	9	130	127	66
02/22/2022	10	150	150	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/22/2022	11	150	150	72
02/22/2022	12	150	150	72
02/22/2022	13	150	150	73
02/22/2022	14	150	150	76
02/22/2022	15	150	150	74
02/22/2022	16	150	150	73
02/22/2022	17	150	150	69
02/22/2022	18	150	150	70
02/22/2022	19	150	150	70
02/22/2022	20	150	150	69
02/22/2022	21	150	150	66
02/22/2022	22	128	120	63
02/22/2022	23	130	120	60
02/22/2022	24	120	120	57
02/23/2022	1	127	127	51
02/23/2022	2	127	127	50
02/23/2022	3	127	127	48
02/23/2022	4	127	127	48
02/23/2022	5	127	127	49
02/23/2022	6	127	127	53
02/23/2022	7	127	127	53
02/23/2022	8	127	127	57
02/23/2022	9	131	127	64
02/23/2022	10	150	150	69
02/23/2022	11	150	150	70
02/23/2022	12	150	150	70
02/23/2022	13	150	150	71
02/23/2022	14	150	150	74
02/23/2022	15	150	150	74
02/23/2022	16	150	150	72
02/23/2022	17	150	150	69
02/23/2022	18	150	150	70
02/23/2022	19	150	150	70
02/23/2022	20	150	150	68
02/23/2022	21	150	150	66
02/23/2022	22	130	120	62
02/23/2022	23	132	120	59
02/23/2022	24	120	120	55
02/24/2022	1	127	127	52
02/24/2022	2	127	127	51
02/24/2022	3	127	127	49
02/24/2022	4	127	127	49
02/24/2022	5	127	127	50
02/24/2022	6	127	127	53
02/24/2022	7	127	127	54
02/24/2022	8	127	127	57
02/24/2022	9	127	127	64
02/24/2022	10	150	150	69
02/24/2022	11	150	150	70
02/24/2022	12	150	150	71
02/24/2022	13	150	150	71
02/24/2022	14	150	150	74
02/24/2022	15	150	150	73
02/24/2022	16	150	150	72
02/24/2022	17	150	150	68
02/24/2022	18	150	150	70
02/24/2022	19	150	150	70
02/24/2022	20	150	150	68
02/24/2022	21	150	150	66
02/24/2022	22	132	120	62
02/24/2022	23	124	120	58
02/24/2022	24	120	120	55
02/25/2022	1	115	115	52
02/25/2022	2	115	115	50
02/25/2022	3	115	115	48

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/25/2022	4	115	115	47
02/25/2022	5	115	115	50
02/25/2022	6	127	127	51
02/25/2022	7	127	127	52
02/25/2022	8	127	127	55
02/25/2022	9	132	131	59
02/25/2022	10	150	150	63
02/25/2022	11	150	150	65
02/25/2022	12	150	150	65
02/25/2022	13	150	150	67
02/25/2022	14	150	150	68
02/25/2022	15	150	150	68
02/25/2022	16	150	150	67
02/25/2022	17	150	150	68
02/25/2022	18	150	150	70
02/25/2022	19	150	150	68
02/25/2022	20	150	150	66
02/25/2022	21	150	150	64
02/25/2022	22	127	120	61
02/25/2022	23	124	120	58
02/25/2022	24	120	120	54
02/26/2022	1	127	127	54
02/26/2022	2	127	127	53
02/26/2022	3	127	127	52
02/26/2022	4	127	127	51
02/26/2022	5	127	127	52
02/26/2022	6	127	127	54
02/26/2022	7	127	127	53
02/26/2022	8	127	127	54
02/26/2022	9	127	127	58
02/26/2022	10	150	150	61
02/26/2022	11	150	150	63
02/26/2022	12	150	150	62
02/26/2022	13	150	150	63
02/26/2022	14	150	150	64
02/26/2022	15	150	150	65
02/26/2022	16	150	150	64
02/26/2022	17	150	150	63
02/26/2022	18	150	150	66
02/26/2022	19	150	150	68
02/26/2022	20	150	150	65
02/26/2022	21	150	150	63
02/26/2022	22	120	120	60
02/26/2022	23	120	120	56
02/26/2022	24	120	120	54
02/27/2022	1	102	102	51
02/27/2022	2	102	102	49
02/27/2022	3	102	102	48
02/27/2022	4	102	102	48
02/27/2022	5	102	102	49
02/27/2022	6	102	102	50
02/27/2022	7	102	102	50
02/27/2022	8	102	102	50
02/27/2022	9	102	102	50
02/27/2022	10	106	106	52
02/27/2022	11	110	110	55
02/27/2022	12	112	112	55
02/27/2022	13	113	113	56
02/27/2022	14	116	116	56
02/27/2022	15	121	121	57
02/27/2022	16	115	115	57
02/27/2022	17	112	112	58
02/27/2022	18	110	110	63
02/27/2022	19	105	105	64
02/27/2022	20	105	105	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
02/27/2022	21	105	105	59
02/27/2022	22	103	103	56
02/27/2022	23	102	102	54
02/27/2022	24	102	102	50
02/28/2022	1	102	102	50
02/28/2022	2	102	102	48
02/28/2022	3	102	102	48
02/28/2022	4	102	102	46
02/28/2022	5	102	102	48
02/28/2022	6	102	102	52
02/28/2022	7	102	102	53
02/28/2022	8	102	102	56
02/28/2022	9	116	116	63
02/28/2022	10	131	131	67
02/28/2022	11	142	142	70
02/28/2022	12	146	146	70
02/28/2022	13	149	149	70
02/28/2022	14	150	150	74
02/28/2022	15	150	150	74
02/28/2022	16	148	148	72
02/28/2022	17	150	150	68
02/28/2022	18	142	142	69
02/28/2022	19	138	138	70
02/28/2022	20	132	132	67
02/28/2022	21	132	132	65
02/28/2022	22	112	112	62
02/28/2022	23	116	116	58
02/28/2022	24	112	112	55
03/01/2022	1	105	105	51
03/01/2022	2	105	105	50
03/01/2022	3	105	105	48
03/01/2022	4	105	105	48
03/01/2022	5	105	105	50
03/01/2022	6	119	105	53
03/01/2022	7	121	105	54
03/01/2022	8	126	105	57
03/01/2022	9	150	105	64
03/01/2022	10	150	150	67
03/01/2022	11	150	150	70
03/01/2022	12	150	150	70
03/01/2022	13	150	150	69
03/01/2022	14	150	150	73
03/01/2022	15	150	150	72
03/01/2022	16	150	150	71
03/01/2022	17	150	150	67
03/01/2022	18	150	150	70
03/01/2022	19	150	150	70
03/01/2022	20	150	150	67
03/01/2022	21	150	150	65
03/01/2022	22	148	115	61
03/01/2022	23	148	115	57
03/01/2022	24	147	115	54
03/02/2022	1	105	105	51
03/02/2022	2	105	105	50
03/02/2022	3	105	105	49
03/02/2022	4	105	105	48
03/02/2022	5	105	105	50
03/02/2022	6	105	105	54
03/02/2022	7	105	105	54
03/02/2022	8	105	105	57
03/02/2022	9	105	105	63
03/02/2022	10	150	150	68
03/02/2022	11	150	150	70
03/02/2022	12	150	150	71
03/02/2022	13	150	150	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/02/2022	14	150	150	74
03/02/2022	15	150	150	73
03/02/2022	16	150	150	71
03/02/2022	17	150	150	69
03/02/2022	18	150	150	71
03/02/2022	19	150	150	70
03/02/2022	20	150	150	67
03/02/2022	21	150	150	65
03/02/2022	22	150	125	61
03/02/2022	23	125	125	58
03/02/2022	24	125	125	55
03/03/2022	1	109	105	52
03/03/2022	2	109	105	51
03/03/2022	3	109	105	49
03/03/2022	4	105	105	49
03/03/2022	5	109	105	51
03/03/2022	6	109	105	54
03/03/2022	7	110	105	54
03/03/2022	8	110	105	57
03/03/2022	9	136	105	65
03/03/2022	10	150	150	70
03/03/2022	11	150	150	72
03/03/2022	12	150	150	69
03/03/2022	13	150	150	69
03/03/2022	14	150	150	73
03/03/2022	15	150	150	72
03/03/2022	16	150	150	71
03/03/2022	17	150	150	69
03/03/2022	18	150	150	69
03/03/2022	19	150	150	71
03/03/2022	20	150	150	68
03/03/2022	21	150	150	66
03/03/2022	22	148	115	62
03/03/2022	23	136	115	59
03/03/2022	24	115	115	55
03/04/2022	1	105	105	54
03/04/2022	2	105	105	53
03/04/2022	3	105	105	52
03/04/2022	4	105	105	51
03/04/2022	5	105	105	52
03/04/2022	6	106	105	56
03/04/2022	7	106	105	55
03/04/2022	8	123	105	59
03/04/2022	9	116	105	66
03/04/2022	10	150	150	71
03/04/2022	11	150	150	74
03/04/2022	12	150	150	72
03/04/2022	13	150	150	74
03/04/2022	14	150	150	77
03/04/2022	15	150	150	77
03/04/2022	16	150	150	75
03/04/2022	17	150	150	70
03/04/2022	18	150	150	71
03/04/2022	19	150	150	71
03/04/2022	20	150	150	70
03/04/2022	21	150	150	67
03/04/2022	22	145	115	64
03/04/2022	23	131	115	61
03/04/2022	24	115	115	58
03/05/2022	1	105	105	53
03/05/2022	2	106	105	52
03/05/2022	3	105	105	50
03/05/2022	4	105	105	50
03/05/2022	5	105	105	50
03/05/2022	6	107	105	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/05/2022	7	107	105	52
03/05/2022	8	110	105	54
03/05/2022	9	105	105	58
03/05/2022	10	150	150	61
03/05/2022	11	150	150	64
03/05/2022	12	150	150	62
03/05/2022	13	150	150	64
03/05/2022	14	150	150	66
03/05/2022	15	150	150	65
03/05/2022	16	150	150	64
03/05/2022	17	150	150	64
03/05/2022	18	150	150	66
03/05/2022	19	150	150	68
03/05/2022	20	150	150	66
03/05/2022	21	150	150	63
03/05/2022	22	144	115	60
03/05/2022	23	115	115	57
03/05/2022	24	115	115	54
03/06/2022	1	105	105	51
03/06/2022	2	105	105	50
03/06/2022	3	105	105	49
03/06/2022	4	105	105	48
03/06/2022	5	105	105	49
03/06/2022	6	105	105	50
03/06/2022	7	105	105	51
03/06/2022	8	105	105	51
03/06/2022	9	105	105	50
03/06/2022	10	130	130	52
03/06/2022	11	130	130	54
03/06/2022	12	130	130	54
03/06/2022	13	130	130	54
03/06/2022	14	150	150	54
03/06/2022	15	150	150	55
03/06/2022	16	150	150	55
03/06/2022	17	150	150	57
03/06/2022	18	150	150	62
03/06/2022	19	150	150	64
03/06/2022	20	150	150	62
03/06/2022	21	150	150	60
03/06/2022	22	145	115	56
03/06/2022	23	115	115	52
03/06/2022	24	115	115	49
03/07/2022	1	105	105	48
03/07/2022	2	105	105	48
03/07/2022	3	105	105	46
03/07/2022	4	105	105	46
03/07/2022	5	108	105	49
03/07/2022	6	123	105	53
03/07/2022	7	123	105	53
03/07/2022	8	148	105	56
03/07/2022	9	149	105	64
03/07/2022	10	150	150	69
03/07/2022	11	150	150	71
03/07/2022	12	150	150	72
03/07/2022	13	150	150	73
03/07/2022	14	150	150	76
03/07/2022	15	150	150	75
03/07/2022	16	150	150	73
03/07/2022	17	150	150	70
03/07/2022	18	150	150	70
03/07/2022	19	150	150	71
03/07/2022	20	150	150	68
03/07/2022	21	150	150	66
03/07/2022	22	146	115	62
03/07/2022	23	123	115	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/07/2022	24	122	115	56
03/08/2022	1	100	100	51
03/08/2022	2	100	100	50
03/08/2022	3	100	100	49
03/08/2022	4	100	100	48
03/08/2022	5	100	100	50
03/08/2022	6	100	100	53
03/08/2022	7	100	100	54
03/08/2022	8	100	100	58
03/08/2022	9	100	100	64
03/08/2022	10	135	135	68
03/08/2022	11	135	135	70
03/08/2022	12	135	135	73
03/08/2022	13	135	135	74
03/08/2022	14	135	135	76
03/08/2022	15	135	135	74
03/08/2022	16	135	135	72
03/08/2022	17	135	135	69
03/08/2022	18	135	135	70
03/08/2022	19	135	135	71
03/08/2022	20	135	135	69
03/08/2022	21	135	135	66
03/08/2022	22	110	110	63
03/08/2022	23	110	110	60
03/08/2022	24	110	110	56
03/09/2022	1	100	100	52
03/09/2022	2	100	100	50
03/09/2022	3	100	100	49
03/09/2022	4	100	100	48
03/09/2022	5	100	100	50
03/09/2022	6	100	100	54
03/09/2022	7	100	100	54
03/09/2022	8	100	100	57
03/09/2022	9	101	100	64
03/09/2022	10	135	135	70
03/09/2022	11	135	135	72
03/09/2022	12	135	135	72
03/09/2022	13	135	135	73
03/09/2022	14	135	135	75
03/09/2022	15	135	135	74
03/09/2022	16	135	135	72
03/09/2022	17	135	135	70
03/09/2022	18	135	135	71
03/09/2022	19	135	135	70
03/09/2022	20	135	135	68
03/09/2022	21	135	135	64
03/09/2022	22	111	105	61
03/09/2022	23	105	105	58
03/09/2022	24	105	105	54
03/10/2022	1	100	100	52
03/10/2022	2	100	100	50
03/10/2022	3	100	100	49
03/10/2022	4	100	100	49
03/10/2022	5	100	100	50
03/10/2022	6	100	100	54
03/10/2022	7	100	100	54
03/10/2022	8	100	100	58
03/10/2022	9	115	115	65
03/10/2022	10	135	135	69
03/10/2022	11	135	135	72
03/10/2022	12	135	135	72
03/10/2022	13	135	135	71
03/10/2022	14	135	135	75
03/10/2022	15	135	135	73
03/10/2022	16	135	135	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/10/2022	17	135	135	69
03/10/2022	18	125	125	70
03/10/2022	19	125	125	70
03/10/2022	20	125	125	67
03/10/2022	21	125	125	64
03/10/2022	22	112	100	60
03/10/2022	23	100	100	57
03/10/2022	24	100	100	54
03/11/2022	1	100	100	52
03/11/2022	2	100	100	50
03/11/2022	3	100	100	49
03/11/2022	4	100	100	48
03/11/2022	5	100	100	50
03/11/2022	6	100	100	54
03/11/2022	7	100	100	53
03/11/2022	8	100	100	58
03/11/2022	9	120	120	65
03/11/2022	10	135	135	69
03/11/2022	11	135	135	73
03/11/2022	12	135	135	72
03/11/2022	13	135	135	73
03/11/2022	14	135	135	75
03/11/2022	15	135	135	74
03/11/2022	16	135	135	72
03/11/2022	17	135	135	69
03/11/2022	18	135	135	70
03/11/2022	19	135	135	70
03/11/2022	20	135	135	67
03/11/2022	21	135	135	64
03/11/2022	22	110	100	60
03/11/2022	23	100	100	57
03/11/2022	24	100	100	54
03/12/2022	1	85	85	55
03/12/2022	2	85	85	54
03/12/2022	3	80	80	52
03/12/2022	4	80	80	52
03/12/2022	5	80	80	53
03/12/2022	6	90	90	56
03/12/2022	7	80	80	54
03/12/2022	8	90	90	57
03/12/2022	9	90	90	63
03/12/2022	10	100	100	67
03/12/2022	11	100	100	70
03/12/2022	12	100	100	69
03/12/2022	13	100	100	70
03/12/2022	14	105	105	72
03/12/2022	15	105	105	71
03/12/2022	16	100	100	70
03/12/2022	17	104	104	69
03/12/2022	18	126	126	76
03/12/2022	19	120	120	73
03/12/2022	20	111	111	71
03/12/2022	21	110	110	69
03/12/2022	22	100	100	66
03/12/2022	23	100	100	62
03/12/2022	24	100	100	58
03/13/2022	1	100	100	52
03/13/2022	2	100	100	50
03/13/2022	3	100	100	49
03/13/2022	4	100	100	48
03/13/2022	5	100	100	50
03/13/2022	6	100	100	51
03/13/2022	7	100	100	51
03/13/2022	8	100	100	49
03/13/2022	9	120	120	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/13/2022	10	135	135	52
03/13/2022	11	135	135	54
03/13/2022	12	135	135	56
03/13/2022	13	135	135	55
03/13/2022	14	135	135	55
03/13/2022	15	135	135	55
03/13/2022	16	135	135	54
03/13/2022	17	135	135	56
03/13/2022	18	135	135	63
03/13/2022	19	135	135	65
03/13/2022	20	135	135	63
03/13/2022	21	135	135	61
03/13/2022	22	112	100	57
03/13/2022	23	100	100	53
03/13/2022	24	100	100	50
03/14/2022	1	100	100	49
03/14/2022	2	100	100	48
03/14/2022	3	100	100	47
03/14/2022	4	100	100	47
03/14/2022	5	100	100	48
03/14/2022	6	100	100	52
03/14/2022	7	100	100	52
03/14/2022	8	100	100	56
03/14/2022	9	120	120	63
03/14/2022	10	135	135	68
03/14/2022	11	135	135	72
03/14/2022	12	135	135	73
03/14/2022	13	135	135	72
03/14/2022	14	135	135	76
03/14/2022	15	135	135	75
03/14/2022	16	135	135	74
03/14/2022	17	135	135	70
03/14/2022	18	135	135	71
03/14/2022	19	135	135	70
03/14/2022	20	135	135	68
03/14/2022	21	135	135	66
03/14/2022	22	114	100	62
03/14/2022	23	100	100	59
03/14/2022	24	100	100	56
03/15/2022	1	100	100	52
03/15/2022	2	100	100	50
03/15/2022	3	100	100	48
03/15/2022	4	100	100	48
03/15/2022	5	100	100	50
03/15/2022	6	100	100	54
03/15/2022	7	100	100	53
03/15/2022	8	100	100	58
03/15/2022	9	115	115	66
03/15/2022	10	135	135	72
03/15/2022	11	135	135	76
03/15/2022	12	135	135	76
03/15/2022	13	135	135	77
03/15/2022	14	137	135	80
03/15/2022	15	137	135	78
03/15/2022	16	135	135	76
03/15/2022	17	135	135	71
03/15/2022	18	135	135	72
03/15/2022	19	135	135	72
03/15/2022	20	135	135	70
03/15/2022	21	135	135	68
03/15/2022	22	120	120	65
03/15/2022	23	120	120	60
03/15/2022	24	120	120	58
03/16/2022	1	100	100	53
03/16/2022	2	100	100	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/16/2022	3	100	100	50
03/16/2022	4	100	100	49
03/16/2022	5	100	100	51
03/16/2022	6	100	100	55
03/16/2022	7	100	100	55
03/16/2022	8	100	100	59
03/16/2022	9	122	122	67
03/16/2022	10	135	135	73
03/16/2022	11	135	135	77
03/16/2022	12	135	135	77
03/16/2022	13	135	135	77
03/16/2022	14	135	135	80
03/16/2022	15	135	135	79
03/16/2022	16	135	135	77
03/16/2022	17	135	135	71
03/16/2022	18	135	135	72
03/16/2022	19	135	135	72
03/16/2022	20	135	135	70
03/16/2022	21	135	135	67
03/16/2022	22	112	110	64
03/16/2022	23	110	110	61
03/16/2022	24	110	110	58
03/17/2022	1	100	100	56
03/17/2022	2	100	100	53
03/17/2022	3	100	100	52
03/17/2022	4	100	100	51
03/17/2022	5	100	100	53
03/17/2022	6	100	100	56
03/17/2022	7	135	135	55
03/17/2022	8	135	135	60
03/17/2022	9	137	135	69
03/17/2022	10	137	135	74
03/17/2022	11	137	135	76
03/17/2022	12	137	135	76
03/17/2022	13	137	135	77
03/17/2022	14	137	135	80
03/17/2022	15	137	135	79
03/17/2022	16	137	135	78
03/17/2022	17	137	135	73
03/17/2022	18	137	135	74
03/17/2022	19	137	135	75
03/17/2022	20	137	135	73
03/17/2022	21	135	135	70
03/17/2022	22	135	135	65
03/17/2022	23	135	135	61
03/17/2022	24	135	135	58
03/18/2022	1	100	100	56
03/18/2022	2	100	100	54
03/18/2022	3	100	100	52
03/18/2022	4	100	100	52
03/18/2022	5	100	100	54
03/18/2022	6	100	100	56
03/18/2022	7	120	120	55
03/18/2022	8	135	135	60
03/18/2022	9	135	135	68
03/18/2022	10	135	135	73
03/18/2022	11	135	135	77
03/18/2022	12	135	135	77
03/18/2022	13	135	135	78
03/18/2022	14	135	135	80
03/18/2022	15	135	135	78
03/18/2022	16	135	135	77
03/18/2022	17	135	135	72
03/18/2022	18	135	135	74
03/18/2022	19	135	135	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/18/2022	20	135	135	72
03/18/2022	21	135	135	69
03/18/2022	22	130	130	66
03/18/2022	23	130	130	62
03/18/2022	24	130	130	59
03/19/2022	1	100	100	55
03/19/2022	2	100	100	53
03/19/2022	3	100	100	51
03/19/2022	4	100	100	51
03/19/2022	5	100	100	53
03/19/2022	6	100	100	54
03/19/2022	7	120	120	53
03/19/2022	8	135	135	55
03/19/2022	9	135	135	60
03/19/2022	10	135	135	64
03/19/2022	11	135	135	67
03/19/2022	12	135	135	68
03/19/2022	13	135	135	68
03/19/2022	14	135	135	69
03/19/2022	15	135	135	69
03/19/2022	16	135	135	66
03/19/2022	17	135	135	65
03/19/2022	18	135	135	68
03/19/2022	19	135	135	69
03/19/2022	20	135	135	69
03/19/2022	21	135	135	67
03/19/2022	22	130	130	62
03/19/2022	23	130	130	59
03/19/2022	24	130	130	56
03/20/2022	1	100	100	52
03/20/2022	2	100	100	51
03/20/2022	3	100	100	50
03/20/2022	4	100	100	49
03/20/2022	5	100	100	50
03/20/2022	6	100	100	52
03/20/2022	7	120	120	50
03/20/2022	8	120	120	51
03/20/2022	9	125	125	52
03/20/2022	10	135	135	55
03/20/2022	11	135	135	59
03/20/2022	12	135	135	60
03/20/2022	13	135	135	62
03/20/2022	14	135	135	62
03/20/2022	15	135	135	61
03/20/2022	16	135	135	60
03/20/2022	17	135	135	60
03/20/2022	18	135	135	65
03/20/2022	19	135	135	65
03/20/2022	20	135	135	65
03/20/2022	21	135	135	63
03/20/2022	22	114	111	61
03/20/2022	23	111	111	57
03/20/2022	24	111	111	54
03/21/2022	1	100	100	53
03/21/2022	2	100	100	52
03/21/2022	3	100	100	51
03/21/2022	4	100	100	50
03/21/2022	5	100	100	53
03/21/2022	6	100	100	55
03/21/2022	7	120	120	55
03/21/2022	8	120	120	60
03/21/2022	9	125	125	67
03/21/2022	10	135	135	71
03/21/2022	11	135	135	74
03/21/2022	12	135	135	75

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/21/2022	13	135	135	77
03/21/2022	14	135	135	78
03/21/2022	15	135	135	76
03/21/2022	16	135	135	76
03/21/2022	17	135	135	72
03/21/2022	18	135	135	72
03/21/2022	19	135	135	72
03/21/2022	20	135	135	70
03/21/2022	21	135	135	67
03/21/2022	22	121	111	62
03/21/2022	23	111	111	60
03/21/2022	24	111	111	56
03/22/2022	1	100	100	52
03/22/2022	2	100	100	50
03/22/2022	3	100	100	49
03/22/2022	4	100	100	48
03/22/2022	5	100	100	49
03/22/2022	6	100	100	53
03/22/2022	7	120	120	53
03/22/2022	8	120	120	57
03/22/2022	9	125	125	66
03/22/2022	10	135	135	71
03/22/2022	11	135	135	74
03/22/2022	12	135	135	74
03/22/2022	13	135	135	75
03/22/2022	14	135	135	79
03/22/2022	15	135	135	78
03/22/2022	16	135	135	76
03/22/2022	17	135	135	72
03/22/2022	18	135	135	73
03/22/2022	19	135	135	74
03/22/2022	20	135	135	72
03/22/2022	21	135	135	69
03/22/2022	22	124	111	66
03/22/2022	23	111	111	62
03/22/2022	24	111	111	59
03/23/2022	1	100	100	54
03/23/2022	2	100	100	52
03/23/2022	3	100	100	51
03/23/2022	4	100	100	50
03/23/2022	5	100	100	53
03/23/2022	6	100	100	56
03/23/2022	7	122	122	56
03/23/2022	8	122	122	59
03/23/2022	9	122	122	68
03/23/2022	10	135	135	73
03/23/2022	11	135	135	77
03/23/2022	12	135	135	77
03/23/2022	13	135	135	78
03/23/2022	14	135	135	80
03/23/2022	15	135	135	78
03/23/2022	16	135	135	77
03/23/2022	17	135	135	72
03/23/2022	18	135	135	72
03/23/2022	19	135	135	74
03/23/2022	20	135	135	70
03/23/2022	21	135	135	68
03/23/2022	22	122	122	65
03/23/2022	23	122	122	61
03/23/2022	24	122	122	58
03/24/2022	1	100	100	56
03/24/2022	2	100	100	55
03/24/2022	3	100	100	53
03/24/2022	4	100	100	53
03/24/2022	5	100	100	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/24/2022	6	100	100	56
03/24/2022	7	122	122	55
03/24/2022	8	122	122	60
03/24/2022	9	122	122	68
03/24/2022	10	135	135	74
03/24/2022	11	135	135	77
03/24/2022	12	135	135	76
03/24/2022	13	135	135	77
03/24/2022	14	135	135	81
03/24/2022	15	135	135	80
03/24/2022	16	135	135	79
03/24/2022	17	135	135	72
03/24/2022	18	135	135	75
03/24/2022	19	135	135	75
03/24/2022	20	135	135	73
03/24/2022	21	135	135	71
03/24/2022	22	122	122	66
03/24/2022	23	122	122	63
03/24/2022	24	122	122	59
03/25/2022	1	100	100	56
03/25/2022	2	100	100	54
03/25/2022	3	100	100	53
03/25/2022	4	100	100	52
03/25/2022	5	100	100	55
03/25/2022	6	100	100	58
03/25/2022	7	126	126	56
03/25/2022	8	126	126	60
03/25/2022	9	137	126	69
03/25/2022	10	137	135	74
03/25/2022	11	137	135	77
03/25/2022	12	137	135	76
03/25/2022	13	137	135	76
03/25/2022	14	137	135	80
03/25/2022	15	137	135	80
03/25/2022	16	137	135	78
03/25/2022	17	137	135	73
03/25/2022	18	137	135	74
03/25/2022	19	137	135	76
03/25/2022	20	135	135	73
03/25/2022	21	135	135	71
03/25/2022	22	122	122	66
03/25/2022	23	122	122	63
03/25/2022	24	122	122	59
03/26/2022	1	100	100	56
03/26/2022	2	100	100	54
03/26/2022	3	100	100	52
03/26/2022	4	100	100	51
03/26/2022	5	100	100	52
03/26/2022	6	100	100	54
03/26/2022	7	126	126	53
03/26/2022	8	126	126	56
03/26/2022	9	135	126	61
03/26/2022	10	135	135	66
03/26/2022	11	135	135	69
03/26/2022	12	135	135	69
03/26/2022	13	135	135	69
03/26/2022	14	135	135	72
03/26/2022	15	135	135	70
03/26/2022	16	135	135	68
03/26/2022	17	135	135	66
03/26/2022	18	135	135	68
03/26/2022	19	135	135	71
03/26/2022	20	135	135	69
03/26/2022	21	135	135	67
03/26/2022	22	122	122	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/26/2022	23	122	122	59
03/26/2022	24	122	122	56
03/27/2022	1	100	100	54
03/27/2022	2	100	100	53
03/27/2022	3	100	100	50
03/27/2022	4	100	100	50
03/27/2022	5	100	100	52
03/27/2022	6	100	100	52
03/27/2022	7	126	126	51
03/27/2022	8	126	126	52
03/27/2022	9	126	126	53
03/27/2022	10	135	135	56
03/27/2022	11	135	135	60
03/27/2022	12	135	135	61
03/27/2022	13	135	135	63
03/27/2022	14	135	135	64
03/27/2022	15	135	135	61
03/27/2022	16	135	135	60
03/27/2022	17	135	135	61
03/27/2022	18	135	135	65
03/27/2022	19	135	135	66
03/27/2022	20	135	135	64
03/27/2022	21	135	135	63
03/27/2022	22	122	122	61
03/27/2022	23	122	122	58
03/27/2022	24	122	122	54
03/28/2022	1	100	100	56
03/28/2022	2	100	100	54
03/28/2022	3	100	100	52
03/28/2022	4	100	100	52
03/28/2022	5	100	100	54
03/28/2022	6	100	100	58
03/28/2022	7	126	126	56
03/28/2022	8	126	126	61
03/28/2022	9	126	126	69
03/28/2022	10	135	135	74
03/28/2022	11	135	135	76
03/28/2022	12	135	135	77
03/28/2022	13	135	135	77
03/28/2022	14	135	135	80
03/28/2022	15	135	135	79
03/28/2022	16	135	135	78
03/28/2022	17	135	135	73
03/28/2022	18	135	135	75
03/28/2022	19	135	135	76
03/28/2022	20	135	135	72
03/28/2022	21	135	135	71
03/28/2022	22	122	122	67
03/28/2022	23	122	122	62
03/28/2022	24	122	122	59
03/29/2022	1	100	100	52
03/29/2022	2	100	100	50
03/29/2022	3	100	100	49
03/29/2022	4	100	100	50
03/29/2022	5	100	100	51
03/29/2022	6	100	100	55
03/29/2022	7	112	112	54
03/29/2022	8	112	112	58
03/29/2022	9	122	112	66
03/29/2022	10	125	125	72
03/29/2022	11	129	129	76
03/29/2022	12	135	135	76
03/29/2022	13	135	135	77
03/29/2022	14	135	135	80
03/29/2022	15	135	135	80

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
03/29/2022	16	135	135	78
03/29/2022	17	135	135	73
03/29/2022	18	135	135	74
03/29/2022	19	135	135	76
03/29/2022	20	130	129	73
03/29/2022	21	127	123	71
03/29/2022	22	122	112	66
03/29/2022	23	112	112	63
03/29/2022	24	112	112	60
03/30/2022	1	100	100	56
03/30/2022	2	100	100	54
03/30/2022	3	100	100	52
03/30/2022	4	100	100	51
03/30/2022	5	100	100	53
03/30/2022	6	100	100	57
03/30/2022	7	112	112	56
03/30/2022	8	112	112	62
03/30/2022	9	112	112	69
03/30/2022	10	120	120	75
03/30/2022	11	129	129	77
03/30/2022	12	135	135	77
03/30/2022	13	135	135	78
03/30/2022	14	135	135	80
03/30/2022	15	135	135	80
03/30/2022	16	135	135	78
03/30/2022	17	135	135	73
03/30/2022	18	135	135	74
03/30/2022	19	135	135	76
03/30/2022	20	125	125	73
03/30/2022	21	123	123	71
03/30/2022	22	112	112	66
03/30/2022	23	112	112	63
03/30/2022	24	112	112	60
03/31/2022	1	100	100	55
03/31/2022	2	100	100	54
03/31/2022	3	100	100	53
03/31/2022	4	100	100	52
03/31/2022	5	100	100	54
03/31/2022	6	100	100	58
03/31/2022	7	112	112	56
03/31/2022	8	112	112	60
03/31/2022	9	112	112	68
03/31/2022	10	120	120	73
03/31/2022	11	129	129	77
03/31/2022	12	135	135	76
03/31/2022	13	135	135	79
03/31/2022	14	135	135	81
03/31/2022	15	135	135	79
03/31/2022	16	135	135	76
03/31/2022	17	135	135	72
03/31/2022	18	135	135	74
03/31/2022	19	135	135	75
03/31/2022	20	125	125	72
03/31/2022	21	123	123	69
03/31/2022	22	112	112	67
03/31/2022	23	112	112	62
03/31/2022	24	112	112	58
04/01/2022	1	100	100	56
04/01/2022	2	100	100	54
04/01/2022	3	100	100	52
04/01/2022	4	100	100	53
04/01/2022	5	100	100	55
04/01/2022	6	100	100	58
04/01/2022	7	100	100	56
04/01/2022	8	100	100	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/01/2022	9	110	110	68
04/01/2022	10	123	123	75
04/01/2022	11	135	135	78
04/01/2022	12	135	135	78
04/01/2022	13	135	135	79
04/01/2022	14	135	135	82
04/01/2022	15	135	135	80
04/01/2022	16	135	135	78
04/01/2022	17	135	135	73
04/01/2022	18	119	119	74
04/01/2022	19	129	129	76
04/01/2022	20	110	110	73
04/01/2022	21	110	110	71
04/01/2022	22	100	100	66
04/01/2022	23	100	100	63
04/01/2022	24	100	100	59
04/02/2022	1	100	100	58
04/02/2022	2	100	100	55
04/02/2022	3	100	100	54
04/02/2022	4	100	100	53
04/02/2022	5	100	100	55
04/02/2022	6	100	100	57
04/02/2022	7	100	100	56
04/02/2022	8	100	100	57
04/02/2022	9	110	110	60
04/02/2022	10	123	123	64
04/02/2022	11	135	135	67
04/02/2022	12	135	135	68
04/02/2022	13	135	135	69
04/02/2022	14	135	135	70
04/02/2022	15	135	135	69
04/02/2022	16	135	135	66
04/02/2022	17	135	135	65
04/02/2022	18	119	119	69
04/02/2022	19	129	129	71
04/02/2022	20	105	105	68
04/02/2022	21	105	105	66
04/02/2022	22	100	100	62
04/02/2022	23	100	100	58
04/02/2022	24	100	100	55
04/03/2022	1	100	100	53
04/03/2022	2	100	100	51
04/03/2022	3	100	100	50
04/03/2022	4	100	100	49
04/03/2022	5	100	100	50
04/03/2022	6	100	100	52
04/03/2022	7	100	100	51
04/03/2022	8	100	100	51
04/03/2022	9	110	110	52
04/03/2022	10	123	123	54
04/03/2022	11	135	135	57
04/03/2022	12	135	135	58
04/03/2022	13	135	135	58
04/03/2022	14	135	135	58
04/03/2022	15	135	135	58
04/03/2022	16	135	135	57
04/03/2022	17	135	135	59
04/03/2022	18	119	119	64
04/03/2022	19	129	129	66
04/03/2022	20	105	105	63
04/03/2022	21	105	105	61
04/03/2022	22	100	100	57
04/03/2022	23	100	100	54
04/03/2022	24	100	100	51
04/04/2022	1	100	100	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/04/2022	2	100	100	52
04/04/2022	3	100	100	50
04/04/2022	4	100	100	49
04/04/2022	5	100	100	51
04/04/2022	6	100	100	55
04/04/2022	7	100	100	56
04/04/2022	8	100	100	62
04/04/2022	9	110	110	68
04/04/2022	10	123	123	75
04/04/2022	11	135	135	79
04/04/2022	12	135	135	78
04/04/2022	13	135	135	80
04/04/2022	14	135	135	84
04/04/2022	15	135	135	82
04/04/2022	16	135	135	79
04/04/2022	17	135	135	74
04/04/2022	18	119	119	74
04/04/2022	19	129	129	75
04/04/2022	20	105	105	74
04/04/2022	21	105	105	71
04/04/2022	22	100	100	66
04/04/2022	23	100	100	63
04/04/2022	24	100	100	60
04/05/2022	1	100	100	52
04/05/2022	2	100	100	51
04/05/2022	3	100	100	50
04/05/2022	4	100	100	49
04/05/2022	5	100	100	52
04/05/2022	6	100	100	56
04/05/2022	7	100	100	55
04/05/2022	8	100	100	58
04/05/2022	9	100	100	65
04/05/2022	10	125	125	70
04/05/2022	11	135	135	73
04/05/2022	12	135	135	71
04/05/2022	13	135	135	72
04/05/2022	14	135	135	75
04/05/2022	15	135	135	75
04/05/2022	16	135	135	73
04/05/2022	17	135	135	70
04/05/2022	18	123	123	71
04/05/2022	19	120	120	73
04/05/2022	20	105	105	70
04/05/2022	21	105	105	67
04/05/2022	22	100	100	63
04/05/2022	23	100	100	60
04/05/2022	24	100	100	56
04/06/2022	1	100	100	56
04/06/2022	2	100	100	56
04/06/2022	3	100	100	55
04/06/2022	4	100	100	52
04/06/2022	5	100	100	55
04/06/2022	6	100	100	58
04/06/2022	7	100	100	56
04/06/2022	8	100	100	61
04/06/2022	9	100	100	68
04/06/2022	10	125	125	70
04/06/2022	11	135	135	72
04/06/2022	12	135	135	71
04/06/2022	13	135	135	72
04/06/2022	14	135	135	74
04/06/2022	15	135	135	73
04/06/2022	16	135	135	72
04/06/2022	17	135	135	70
04/06/2022	18	123	123	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/06/2022	19	120	120	70
04/06/2022	20	105	105	67
04/06/2022	21	105	105	65
04/06/2022	22	100	100	60
04/06/2022	23	100	100	57
04/06/2022	24	100	100	54
04/07/2022	1	100	100	51
04/07/2022	2	100	100	50
04/07/2022	3	100	100	50
04/07/2022	4	100	100	48
04/07/2022	5	100	100	50
04/07/2022	6	100	100	54
04/07/2022	7	100	100	53
04/07/2022	8	100	100	57
04/07/2022	9	100	100	63
04/07/2022	10	125	125	67
04/07/2022	11	135	135	70
04/07/2022	12	135	135	70
04/07/2022	13	135	135	72
04/07/2022	14	135	135	74
04/07/2022	15	135	135	73
04/07/2022	16	135	135	73
04/07/2022	17	135	135	72
04/07/2022	18	123	123	73
04/07/2022	19	120	120	70
04/07/2022	20	105	105	66
04/07/2022	21	105	105	63
04/07/2022	22	100	100	57
04/07/2022	23	100	100	55
04/07/2022	24	100	100	52
04/08/2022	1	100	100	52
04/08/2022	2	100	100	51
04/08/2022	3	100	100	51
04/08/2022	4	100	100	49
04/08/2022	5	100	100	52
04/08/2022	6	100	100	55
04/08/2022	7	100	100	54
04/08/2022	8	100	100	58
04/08/2022	9	115	100	64
04/08/2022	10	125	125	69
04/08/2022	11	135	135	71
04/08/2022	12	135	135	71
04/08/2022	13	135	135	71
04/08/2022	14	135	135	73
04/08/2022	15	135	135	72
04/08/2022	16	135	135	72
04/08/2022	17	135	135	70
04/08/2022	18	123	123	72
04/08/2022	19	120	120	71
04/08/2022	20	105	105	68
04/08/2022	21	105	105	66
04/08/2022	22	100	100	61
04/08/2022	23	100	100	58
04/08/2022	24	100	100	54
04/09/2022	1	100	100	56
04/09/2022	2	100	100	54
04/09/2022	3	100	100	52
04/09/2022	4	100	100	52
04/09/2022	5	100	100	53
04/09/2022	6	100	100	54
04/09/2022	7	100	100	54
04/09/2022	8	100	100	55
04/09/2022	9	117	100	60
04/09/2022	10	125	125	64
04/09/2022	11	135	135	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/09/2022	12	135	135	65
04/09/2022	13	135	135	66
04/09/2022	14	135	135	68
04/09/2022	15	135	135	67
04/09/2022	16	135	135	66
04/09/2022	17	135	135	65
04/09/2022	18	123	123	68
04/09/2022	19	120	120	69
04/09/2022	20	105	105	66
04/09/2022	21	105	105	64
04/09/2022	22	100	100	60
04/09/2022	23	100	100	56
04/09/2022	24	100	100	54
04/10/2022	1	100	100	52
04/10/2022	2	100	100	51
04/10/2022	3	100	100	50
04/10/2022	4	100	100	49
04/10/2022	5	100	100	50
04/10/2022	6	100	100	51
04/10/2022	7	100	100	50
04/10/2022	8	100	100	50
04/10/2022	9	100	100	51
04/10/2022	10	125	125	54
04/10/2022	11	125	125	55
04/10/2022	12	125	125	56
04/10/2022	13	125	125	57
04/10/2022	14	125	125	56
04/10/2022	15	125	125	56
04/10/2022	16	125	125	55
04/10/2022	17	125	125	58
04/10/2022	18	123	123	63
04/10/2022	19	120	120	66
04/10/2022	20	105	105	62
04/10/2022	21	105	105	61
04/10/2022	22	100	100	57
04/10/2022	23	100	100	54
04/10/2022	24	100	100	50
04/11/2022	1	100	100	52
04/11/2022	2	100	100	51
04/11/2022	3	100	100	51
04/11/2022	4	100	100	49
04/11/2022	5	100	100	51
04/11/2022	6	100	100	54
04/11/2022	7	100	100	53
04/11/2022	8	100	100	59
04/11/2022	9	100	100	66
04/11/2022	10	125	125	69
04/11/2022	11	135	135	73
04/11/2022	12	135	135	72
04/11/2022	13	135	135	72
04/11/2022	14	135	135	74
04/11/2022	15	135	135	74
04/11/2022	16	135	135	74
04/11/2022	17	135	135	71
04/11/2022	18	123	123	73
04/11/2022	19	120	120	72
04/11/2022	20	105	105	70
04/11/2022	21	105	105	67
04/11/2022	22	100	100	64
04/11/2022	23	100	100	60
04/11/2022	24	100	100	57
04/12/2022	1	100	100	54
04/12/2022	2	100	100	54
04/12/2022	3	100	100	52
04/12/2022	4	100	100	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/12/2022	5	100	100	53
04/12/2022	6	100	100	56
04/12/2022	7	100	100	57
04/12/2022	8	100	100	59
04/12/2022	9	100	100	66
04/12/2022	10	125	125	71
04/12/2022	11	135	135	74
04/12/2022	12	135	135	72
04/12/2022	13	135	135	73
04/12/2022	14	135	135	75
04/12/2022	15	135	135	74
04/12/2022	16	135	135	73
04/12/2022	17	135	135	71
04/12/2022	18	123	123	73
04/12/2022	19	120	120	72
04/12/2022	20	105	105	69
04/12/2022	21	105	105	65
04/12/2022	22	100	100	62
04/12/2022	23	100	100	58
04/12/2022	24	100	100	55
04/13/2022	1	100	100	52
04/13/2022	2	100	100	50
04/13/2022	3	100	100	50
04/13/2022	4	100	100	49
04/13/2022	5	100	100	51
04/13/2022	6	100	100	54
04/13/2022	7	100	100	54
04/13/2022	8	100	100	59
04/13/2022	9	100	100	63
04/13/2022	10	125	125	69
04/13/2022	11	135	135	71
04/13/2022	12	135	135	70
04/13/2022	13	135	135	70
04/13/2022	14	135	135	73
04/13/2022	15	135	135	73
04/13/2022	16	135	135	72
04/13/2022	17	135	135	70
04/13/2022	18	123	123	72
04/13/2022	19	120	120	71
04/13/2022	20	105	105	68
04/13/2022	21	105	105	66
04/13/2022	22	100	100	62
04/13/2022	23	100	100	57
04/13/2022	24	100	100	53
04/14/2022	1	86	86	51
04/14/2022	2	86	86	49
04/14/2022	3	86	86	49
04/14/2022	4	86	86	48
04/14/2022	5	86	86	50
04/14/2022	6	86	86	51
04/14/2022	7	86	86	52
04/14/2022	8	86	86	54
04/14/2022	9	86	86	56
04/14/2022	10	86	86	58
04/14/2022	11	88	88	59
04/14/2022	12	89	89	60
04/14/2022	13	89	89	62
04/14/2022	14	92	92	63
04/14/2022	15	92	92	62
04/14/2022	16	92	92	62
04/14/2022	17	111	111	63
04/14/2022	18	135	135	66
04/14/2022	19	135	135	65
04/14/2022	20	135	135	63
04/14/2022	21	117	116	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/14/2022	22	86	86	58
04/14/2022	23	86	86	55
04/14/2022	24	86	86	51
04/15/2022	1	86	86	49
04/15/2022	2	86	86	48
04/15/2022	3	86	86	47
04/15/2022	4	86	86	46
04/15/2022	5	86	86	47
04/15/2022	6	86	86	48
04/15/2022	7	86	86	48
04/15/2022	8	86	86	50
04/15/2022	9	86	86	52
04/15/2022	10	86	86	55
04/15/2022	11	86	86	56
04/15/2022	12	86	86	58
04/15/2022	13	86	86	58
04/15/2022	14	86	86	59
04/15/2022	15	86	86	59
04/15/2022	16	86	86	58
04/15/2022	17	111	111	60
04/15/2022	18	135	135	63
04/15/2022	19	135	135	64
04/15/2022	20	135	135	62
04/15/2022	21	117	116	59
04/15/2022	22	86	86	56
04/15/2022	23	86	86	53
04/15/2022	24	86	86	50
04/16/2022	1	100	100	56
04/16/2022	2	100	100	54
04/16/2022	3	100	100	53
04/16/2022	4	100	100	52
04/16/2022	5	100	100	53
04/16/2022	6	100	100	55
04/16/2022	7	100	100	54
04/16/2022	8	100	100	55
04/16/2022	9	100	100	60
04/16/2022	10	101	100	64
04/16/2022	11	100	100	65
04/16/2022	12	100	100	65
04/16/2022	13	100	100	65
04/16/2022	14	103	103	67
04/16/2022	15	103	103	66
04/16/2022	16	103	103	65
04/16/2022	17	135	135	66
04/16/2022	18	135	135	71
04/16/2022	19	135	135	68
04/16/2022	20	135	135	67
04/16/2022	21	102	102	63
04/16/2022	22	100	100	59
04/16/2022	23	100	100	57
04/16/2022	24	100	100	54
04/17/2022	1	86	86	53
04/17/2022	2	86	86	52
04/17/2022	3	86	86	50
04/17/2022	4	86	86	49
04/17/2022	5	86	86	50
04/17/2022	6	86	86	51
04/17/2022	7	86	86	51
04/17/2022	8	86	86	51
04/17/2022	9	86	86	53
04/17/2022	10	86	86	55
04/17/2022	11	86	86	58
04/17/2022	12	86	86	59
04/17/2022	13	86	86	58
04/17/2022	14	87	87	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/17/2022	15	87	87	59
04/17/2022	16	87	87	58
04/17/2022	17	111	111	60
04/17/2022	18	135	135	66
04/17/2022	19	135	135	67
04/17/2022	20	135	135	64
04/17/2022	21	117	116	63
04/17/2022	22	86	86	60
04/17/2022	23	86	86	56
04/17/2022	24	86	86	52
04/18/2022	1	100	100	52
04/18/2022	2	100	100	51
04/18/2022	3	100	100	51
04/18/2022	4	100	100	49
04/18/2022	5	100	100	51
04/18/2022	6	100	100	54
04/18/2022	7	100	100	54
04/18/2022	8	102	102	59
04/18/2022	9	135	135	68
04/18/2022	10	135	135	73
04/18/2022	11	135	135	75
04/18/2022	12	135	135	75
04/18/2022	13	135	135	74
04/18/2022	14	135	135	78
04/18/2022	15	135	135	78
04/18/2022	16	135	135	76
04/18/2022	17	135	135	73
04/18/2022	18	135	135	74
04/18/2022	19	135	135	74
04/18/2022	20	135	135	72
04/18/2022	21	135	135	69
04/18/2022	22	135	135	65
04/18/2022	23	135	135	61
04/18/2022	24	135	135	58
04/19/2022	1	86	86	54
04/19/2022	2	86	86	53
04/19/2022	3	86	86	51
04/19/2022	4	86	86	51
04/19/2022	5	86	86	53
04/19/2022	6	86	86	57
04/19/2022	7	100	100	56
04/19/2022	8	100	100	61
04/19/2022	9	100	100	68
04/19/2022	10	125	125	73
04/19/2022	11	135	135	77
04/19/2022	12	135	135	76
04/19/2022	13	135	135	78
04/19/2022	14	135	135	80
04/19/2022	15	135	135	80
04/19/2022	16	135	135	78
04/19/2022	17	135	135	73
04/19/2022	18	123	123	74
04/19/2022	19	120	120	75
04/19/2022	20	105	105	73
04/19/2022	21	105	105	71
04/19/2022	22	100	100	66
04/19/2022	23	100	100	63
04/19/2022	24	100	100	59
04/20/2022	1	86	86	56
04/20/2022	2	86	86	54
04/20/2022	3	86	86	52
04/20/2022	4	86	86	52
04/20/2022	5	86	86	54
04/20/2022	6	86	86	58
04/20/2022	7	100	100	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/20/2022	8	100	100	61
04/20/2022	9	100	100	69
04/20/2022	10	125	125	74
04/20/2022	11	135	135	78
04/20/2022	12	135	135	76
04/20/2022	13	135	135	77
04/20/2022	14	135	135	80
04/20/2022	15	135	135	80
04/20/2022	16	135	135	78
04/20/2022	17	135	135	72
04/20/2022	18	123	123	74
04/20/2022	19	120	120	75
04/20/2022	20	105	105	73
04/20/2022	21	105	105	71
04/20/2022	22	100	100	66
04/20/2022	23	100	100	63
04/20/2022	24	100	100	60
04/21/2022	1	100	100	57
04/21/2022	2	100	100	55
04/21/2022	3	100	100	53
04/21/2022	4	100	100	53
04/21/2022	5	100	100	55
04/21/2022	6	100	100	58
04/21/2022	7	100	100	57
04/21/2022	8	100	100	62
04/21/2022	9	100	100	69
04/21/2022	10	125	125	74
04/21/2022	11	135	135	78
04/21/2022	12	135	135	77
04/21/2022	13	135	135	78
04/21/2022	14	135	135	80
04/21/2022	15	135	135	79
04/21/2022	16	135	135	78
04/21/2022	17	135	135	73
04/21/2022	18	123	123	75
04/21/2022	19	120	120	75
04/21/2022	20	105	105	73
04/21/2022	21	105	105	71
04/21/2022	22	100	100	68
04/21/2022	23	100	100	63
04/21/2022	24	100	100	60
04/22/2022	1	100	100	57
04/22/2022	2	100	100	55
04/22/2022	3	100	100	54
04/22/2022	4	100	100	53
04/22/2022	5	100	100	55
04/22/2022	6	100	100	56
04/22/2022	7	100	100	56
04/22/2022	8	100	100	62
04/22/2022	9	100	100	69
04/22/2022	10	125	125	74
04/22/2022	11	135	135	77
04/22/2022	12	135	135	76
04/22/2022	13	135	135	76
04/22/2022	14	135	135	80
04/22/2022	15	135	135	79
04/22/2022	16	135	135	78
04/22/2022	17	135	135	73
04/22/2022	18	123	123	74
04/22/2022	19	120	120	74
04/22/2022	20	112	111	72
04/22/2022	21	105	105	70
04/22/2022	22	100	100	66
04/22/2022	23	100	100	62
04/22/2022	24	100	100	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/23/2022	1	100	100	56
04/23/2022	2	100	100	54
04/23/2022	3	100	100	52
04/23/2022	4	100	100	52
04/23/2022	5	100	100	53
04/23/2022	6	100	100	55
04/23/2022	7	100	100	54
04/23/2022	8	100	100	56
04/23/2022	9	100	100	60
04/23/2022	10	100	100	61
04/23/2022	11	115	115	63
04/23/2022	12	115	115	64
04/23/2022	13	115	115	65
04/23/2022	14	132	131	67
04/23/2022	15	125	124	66
04/23/2022	16	124	123	66
04/23/2022	17	135	135	66
04/23/2022	18	135	135	69
04/23/2022	19	135	135	69
04/23/2022	20	132	132	67
04/23/2022	21	115	115	64
04/23/2022	22	100	100	59
04/23/2022	23	100	100	56
04/23/2022	24	100	100	54
04/24/2022	1	86	86	52
04/24/2022	2	86	86	50
04/24/2022	3	86	86	50
04/24/2022	4	86	86	48
04/24/2022	5	86	86	48
04/24/2022	6	86	86	49
04/24/2022	7	86	86	50
04/24/2022	8	86	86	50
04/24/2022	9	86	86	52
04/24/2022	10	86	86	55
04/24/2022	11	86	86	58
04/24/2022	12	86	86	59
04/24/2022	13	86	86	60
04/24/2022	14	86	86	61
04/24/2022	15	86	86	61
04/24/2022	16	87	87	61
04/24/2022	17	111	111	63
04/24/2022	18	135	135	67
04/24/2022	19	135	135	68
04/24/2022	20	135	135	66
04/24/2022	21	117	117	65
04/24/2022	22	87	87	61
04/24/2022	23	86	86	58
04/24/2022	24	86	86	54
04/25/2022	1	100	100	52
04/25/2022	2	100	100	51
04/25/2022	3	100	100	51
04/25/2022	4	100	100	49
04/25/2022	5	100	100	51
04/25/2022	6	110	110	55
04/25/2022	7	110	110	54
04/25/2022	8	123	122	60
04/25/2022	9	135	135	67
04/25/2022	10	135	135	73
04/25/2022	11	135	135	76
04/25/2022	12	135	135	78
04/25/2022	13	135	135	79
04/25/2022	14	135	135	80
04/25/2022	15	135	135	79
04/25/2022	16	135	135	78
04/25/2022	17	135	135	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/25/2022	18	135	135	75
04/25/2022	19	135	135	75
04/25/2022	20	135	135	73
04/25/2022	21	135	135	71
04/25/2022	22	135	135	67
04/25/2022	23	135	135	63
04/25/2022	24	121	120	59
04/26/2022	1	100	100	57
04/26/2022	2	100	100	55
04/26/2022	3	100	100	54
04/26/2022	4	100	100	52
04/26/2022	5	100	100	54
04/26/2022	6	100	100	56
04/26/2022	7	120	120	55
04/26/2022	8	120	120	62
04/26/2022	9	120	120	70
04/26/2022	10	122	122	75
04/26/2022	11	135	135	78
04/26/2022	12	135	135	77
04/26/2022	13	135	135	79
04/26/2022	14	135	135	82
04/26/2022	15	135	135	80
04/26/2022	16	135	135	79
04/26/2022	17	135	135	73
04/26/2022	18	135	135	75
04/26/2022	19	135	135	76
04/26/2022	20	135	135	73
04/26/2022	21	135	135	71
04/26/2022	22	135	135	67
04/26/2022	23	135	135	63
04/26/2022	24	135	135	59
04/27/2022	1	100	100	58
04/27/2022	2	100	100	55
04/27/2022	3	100	100	54
04/27/2022	4	100	100	53
04/27/2022	5	100	100	54
04/27/2022	6	100	100	57
04/27/2022	7	100	100	56
04/27/2022	8	135	135	61
04/27/2022	9	135	135	68
04/27/2022	10	135	135	73
04/27/2022	11	138	138	78
04/27/2022	12	138	138	77
04/27/2022	13	138	138	79
04/27/2022	14	138	138	81
04/27/2022	15	138	138	79
04/27/2022	16	138	138	78
04/27/2022	17	135	135	74
04/27/2022	18	138	138	76
04/27/2022	19	135	135	75
04/27/2022	20	135	135	73
04/27/2022	21	135	135	71
04/27/2022	22	135	135	66
04/27/2022	23	135	135	62
04/27/2022	24	135	135	59
04/28/2022	1	100	100	58
04/28/2022	2	100	100	57
04/28/2022	3	100	100	55
04/28/2022	4	100	100	54
04/28/2022	5	100	100	56
04/28/2022	6	100	100	58
04/28/2022	7	100	100	56
04/28/2022	8	100	100	63
04/28/2022	9	108	108	70
04/28/2022	10	135	135	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
04/28/2022	11	135	135	80
04/28/2022	12	135	135	80
04/28/2022	13	135	135	80
04/28/2022	14	135	135	82
04/28/2022	15	135	135	81
04/28/2022	16	135	135	79
04/28/2022	17	135	135	74
04/28/2022	18	135	135	75
04/28/2022	19	135	135	76
04/28/2022	20	135	135	73
04/28/2022	21	135	135	72
04/28/2022	22	135	135	67
04/28/2022	23	135	135	64
04/28/2022	24	135	135	61
04/29/2022	1	100	100	59
04/29/2022	2	100	100	56
04/29/2022	3	100	100	55
04/29/2022	4	100	100	54
04/29/2022	5	100	100	56
04/29/2022	6	100	100	58
04/29/2022	7	100	100	56
04/29/2022	8	114	114	62
04/29/2022	9	135	135	70
04/29/2022	10	135	135	74
04/29/2022	11	135	135	77
04/29/2022	12	135	135	76
04/29/2022	13	135	135	77
04/29/2022	14	135	135	80
04/29/2022	15	135	135	79
04/29/2022	16	135	135	78
04/29/2022	17	135	135	74
04/29/2022	18	135	135	75
04/29/2022	19	135	135	74
04/29/2022	20	135	135	73
04/29/2022	21	135	135	71
04/29/2022	22	135	135	68
04/29/2022	23	135	135	63
04/29/2022	24	100	100	59
04/30/2022	1	86	86	58
04/30/2022	2	86	86	56
04/30/2022	3	86	86	55
04/30/2022	4	86	86	53
04/30/2022	5	86	86	55
04/30/2022	6	86	86	56
04/30/2022	7	86	86	54
04/30/2022	8	86	86	56
04/30/2022	9	86	86	59
04/30/2022	10	87	87	62
04/30/2022	11	87	87	63
04/30/2022	12	87	87	62
04/30/2022	13	87	87	65
04/30/2022	14	87	87	67
04/30/2022	15	88	88	66
04/30/2022	16	88	88	66
04/30/2022	17	111	111	65
04/30/2022	18	135	135	72
04/30/2022	19	135	135	72
04/30/2022	20	135	135	71
04/30/2022	21	117	117	69
04/30/2022	22	86	86	65
04/30/2022	23	86	86	62
04/30/2022	24	86	86	59
05/01/2022	1	100	100	55
05/01/2022	2	100	100	54
05/01/2022	3	100	100	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/01/2022	4	100	100	50
05/01/2022	5	100	100	52
05/01/2022	6	100	100	53
05/01/2022	7	100	100	51
05/01/2022	8	100	100	52
05/01/2022	9	100	100	55
05/01/2022	10	100	100	58
05/01/2022	11	100	100	61
05/01/2022	12	100	100	61
05/01/2022	13	100	100	62
05/01/2022	14	100	100	63
05/01/2022	15	100	100	62
05/01/2022	16	100	100	61
05/01/2022	17	100	100	63
05/01/2022	18	117	117	69
05/01/2022	19	107	106	70
05/01/2022	20	100	100	68
05/01/2022	21	100	100	65
05/01/2022	22	100	100	62
05/01/2022	23	100	100	59
05/01/2022	24	100	100	57
05/02/2022	1	100	100	56
05/02/2022	2	100	100	54
05/02/2022	3	100	100	54
05/02/2022	4	100	100	52
05/02/2022	5	100	100	54
05/02/2022	6	100	100	55
05/02/2022	7	100	100	55
05/02/2022	8	100	100	63
05/02/2022	9	100	100	71
05/02/2022	10	135	135	77
05/02/2022	11	135	135	80
05/02/2022	12	135	135	81
05/02/2022	13	135	135	81
05/02/2022	14	135	135	84
05/02/2022	15	135	135	82
05/02/2022	16	135	135	81
05/02/2022	17	135	135	78
05/02/2022	18	135	135	79
05/02/2022	19	135	135	78
05/02/2022	20	135	135	77
05/02/2022	21	135	135	74
05/02/2022	22	135	135	70
05/02/2022	23	135	135	68
05/02/2022	24	135	135	62
05/03/2022	1	100	100	58
05/03/2022	2	100	100	56
05/03/2022	3	100	100	54
05/03/2022	4	100	100	53
05/03/2022	5	100	100	54
05/03/2022	6	100	100	56
05/03/2022	7	100	100	54
05/03/2022	8	100	100	59
05/03/2022	9	124	123	64
05/03/2022	10	124	123	67
05/03/2022	11	124	123	69
05/03/2022	12	124	123	68
05/03/2022	13	135	135	68
05/03/2022	14	135	135	70
05/03/2022	15	135	135	68
05/03/2022	16	135	135	68
05/03/2022	17	135	135	67
05/03/2022	18	135	135	73
05/03/2022	19	135	135	72
05/03/2022	20	135	135	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/03/2022	21	100	100	67
05/03/2022	22	100	100	63
05/03/2022	23	100	100	60
05/03/2022	24	100	100	56
05/04/2022	1	100	100	54
05/04/2022	2	100	100	52
05/04/2022	3	100	100	51
05/04/2022	4	100	100	50
05/04/2022	5	100	100	50
05/04/2022	6	100	100	54
05/04/2022	7	100	100	54
05/04/2022	8	100	100	58
05/04/2022	9	100	100	67
05/04/2022	10	135	135	73
05/04/2022	11	135	135	76
05/04/2022	12	135	135	78
05/04/2022	13	135	135	78
05/04/2022	14	135	135	81
05/04/2022	15	135	135	79
05/04/2022	16	135	135	76
05/04/2022	17	135	135	74
05/04/2022	18	135	135	77
05/04/2022	19	135	135	74
05/04/2022	20	115	115	71
05/04/2022	21	100	100	68
05/04/2022	22	100	100	65
05/04/2022	23	100	100	62
05/04/2022	24	100	100	58
05/05/2022	1	100	100	56
05/05/2022	2	100	100	55
05/05/2022	3	100	100	54
05/05/2022	4	100	100	53
05/05/2022	5	100	100	55
05/05/2022	6	100	100	57
05/05/2022	7	100	100	55
05/05/2022	8	100	100	61
05/05/2022	9	100	100	68
05/05/2022	10	135	135	72
05/05/2022	11	135	135	77
05/05/2022	12	135	135	76
05/05/2022	13	135	135	76
05/05/2022	14	135	135	78
05/05/2022	15	135	135	77
05/05/2022	16	135	135	76
05/05/2022	17	135	135	73
05/05/2022	18	135	135	74
05/05/2022	19	135	135	74
05/05/2022	20	135	135	71
05/05/2022	21	135	135	69
05/05/2022	22	100	100	65
05/05/2022	23	100	100	62
05/05/2022	24	100	100	59
05/06/2022	1	100	100	59
05/06/2022	2	100	100	56
05/06/2022	3	100	100	55
05/06/2022	4	100	100	54
05/06/2022	5	100	100	55
05/06/2022	6	112	112	57
05/06/2022	7	112	112	56
05/06/2022	8	126	126	62
05/06/2022	9	135	135	70
05/06/2022	10	135	135	74
05/06/2022	11	135	135	76
05/06/2022	12	135	135	77
05/06/2022	13	135	135	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/06/2022	14	135	135	81
05/06/2022	15	135	135	80
05/06/2022	16	135	135	77
05/06/2022	17	135	135	75
05/06/2022	18	135	135	76
05/06/2022	19	135	135	75
05/06/2022	20	135	135	74
05/06/2022	21	135	135	72
05/06/2022	22	135	135	68
05/06/2022	23	135	135	64
05/06/2022	24	120	120	61
05/07/2022	1	100	100	58
05/07/2022	2	100	100	56
05/07/2022	3	100	100	55
05/07/2022	4	100	100	53
05/07/2022	5	100	100	54
05/07/2022	6	100	100	55
05/07/2022	7	100	100	55
05/07/2022	8	100	100	57
05/07/2022	9	100	100	60
05/07/2022	10	135	135	63
05/07/2022	11	135	135	65
05/07/2022	12	135	135	64
05/07/2022	13	135	135	65
05/07/2022	14	135	135	67
05/07/2022	15	135	135	66
05/07/2022	16	135	135	66
05/07/2022	17	135	135	66
05/07/2022	18	135	135	71
05/07/2022	19	135	135	72
05/07/2022	20	135	135	69
05/07/2022	21	135	135	67
05/07/2022	22	102	100	63
05/07/2022	23	100	100	60
05/07/2022	24	100	100	57
05/08/2022	1	100	100	53
05/08/2022	2	100	100	51
05/08/2022	3	100	100	50
05/08/2022	4	100	100	48
05/08/2022	5	100	100	49
05/08/2022	6	100	100	50
05/08/2022	7	100	100	50
05/08/2022	8	100	100	50
05/08/2022	9	117	100	53
05/08/2022	10	118	100	55
05/08/2022	11	118	100	58
05/08/2022	12	118	100	59
05/08/2022	13	118	100	59
05/08/2022	14	118	100	59
05/08/2022	15	118	100	60
05/08/2022	16	118	100	59
05/08/2022	17	118	105	61
05/08/2022	18	135	135	66
05/08/2022	19	130	129	67
05/08/2022	20	119	119	65
05/08/2022	21	123	122	64
05/08/2022	22	118	100	61
05/08/2022	23	101	100	58
05/08/2022	24	100	100	54
05/09/2022	1	100	100	55
05/09/2022	2	100	100	52
05/09/2022	3	100	100	51
05/09/2022	4	100	100	51
05/09/2022	5	100	100	52
05/09/2022	6	100	100	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/09/2022	7	100	100	51
05/09/2022	8	100	100	52
05/09/2022	9	100	100	52
05/09/2022	10	100	100	53
05/09/2022	11	100	100	55
05/09/2022	12	118	100	58
05/09/2022	13	118	100	58
05/09/2022	14	118	100	58
05/09/2022	15	118	100	57
05/09/2022	16	118	100	58
05/09/2022	17	118	100	62
05/09/2022	18	135	135	67
05/09/2022	19	135	135	69
05/09/2022	20	135	135	67
05/09/2022	21	135	135	63
05/09/2022	22	117	100	60
05/09/2022	23	100	100	56
05/09/2022	24	100	100	54
05/10/2022	1	115	115	57
05/10/2022	2	115	115	55
05/10/2022	3	115	115	55
05/10/2022	4	115	115	53
05/10/2022	5	125	125	55
05/10/2022	6	125	125	58
05/10/2022	7	125	125	56
05/10/2022	8	125	125	62
05/10/2022	9	125	125	70
05/10/2022	10	135	135	74
05/10/2022	11	135	135	75
05/10/2022	12	135	135	76
05/10/2022	13	135	135	76
05/10/2022	14	135	135	78
05/10/2022	15	135	135	77
05/10/2022	16	135	135	75
05/10/2022	17	135	135	73
05/10/2022	18	135	135	74
05/10/2022	19	135	135	74
05/10/2022	20	135	135	71
05/10/2022	21	135	135	69
05/10/2022	22	135	135	66
05/10/2022	23	135	135	62
05/10/2022	24	135	135	60
05/11/2022	1	100	100	56
05/11/2022	2	100	100	54
05/11/2022	3	100	100	52
05/11/2022	4	100	100	51
05/11/2022	5	100	100	54
05/11/2022	6	100	100	56
05/11/2022	7	100	100	56
05/11/2022	8	100	100	62
05/11/2022	9	100	100	69
05/11/2022	10	135	135	74
05/11/2022	11	135	135	77
05/11/2022	12	135	135	77
05/11/2022	13	135	135	76
05/11/2022	14	135	135	79
05/11/2022	15	135	135	77
05/11/2022	16	135	135	77
05/11/2022	17	135	135	73
05/11/2022	18	135	135	76
05/11/2022	19	135	135	74
05/11/2022	20	135	135	73
05/11/2022	21	135	135	71
05/11/2022	22	135	135	66
05/11/2022	23	135	135	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/11/2022	24	135	135	60
05/12/2022	1	100	100	58
05/12/2022	2	100	100	56
05/12/2022	3	100	100	54
05/12/2022	4	100	100	53
05/12/2022	5	100	100	54
05/12/2022	6	100	100	56
05/12/2022	7	100	100	56
05/12/2022	8	100	100	62
05/12/2022	9	123	100	70
05/12/2022	10	135	135	75
05/12/2022	11	135	135	78
05/12/2022	12	135	135	78
05/12/2022	13	135	135	79
05/12/2022	14	135	135	81
05/12/2022	15	135	135	79
05/12/2022	16	135	135	78
05/12/2022	17	135	135	74
05/12/2022	18	135	135	75
05/12/2022	19	135	135	74
05/12/2022	20	135	135	71
05/12/2022	21	135	135	70
05/12/2022	22	135	135	65
05/12/2022	23	135	135	62
05/12/2022	24	135	135	58
05/13/2022	1	100	100	57
05/13/2022	2	100	100	54
05/13/2022	3	100	100	54
05/13/2022	4	100	100	52
05/13/2022	5	100	100	54
05/13/2022	6	104	104	56
05/13/2022	7	104	104	55
05/13/2022	8	133	132	61
05/13/2022	9	135	135	69
05/13/2022	10	135	135	74
05/13/2022	11	135	135	76
05/13/2022	12	135	135	76
05/13/2022	13	135	135	77
05/13/2022	14	135	135	80
05/13/2022	15	135	135	79
05/13/2022	16	135	135	77
05/13/2022	17	135	135	74
05/13/2022	18	135	135	75
05/13/2022	19	135	135	76
05/13/2022	20	135	135	74
05/13/2022	21	135	135	72
05/13/2022	22	135	135	68
05/13/2022	23	135	135	64
05/13/2022	24	121	120	61
05/14/2022	1	100	100	58
05/14/2022	2	100	100	56
05/14/2022	3	100	100	54
05/14/2022	4	100	100	53
05/14/2022	5	100	100	54
05/14/2022	6	100	100	55
05/14/2022	7	100	100	55
05/14/2022	8	100	100	58
05/14/2022	9	121	100	64
05/14/2022	10	135	135	69
05/14/2022	11	135	135	73
05/14/2022	12	135	135	72
05/14/2022	13	135	135	71
05/14/2022	14	135	135	73
05/14/2022	15	135	135	72
05/14/2022	16	135	135	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/14/2022	17	135	135	69
05/14/2022	18	135	135	72
05/14/2022	19	135	135	74
05/14/2022	20	135	135	72
05/14/2022	21	135	135	71
05/14/2022	22	135	135	68
05/14/2022	23	135	135	64
05/14/2022	24	135	135	60
05/15/2022	1	114	113	58
05/15/2022	2	114	113	56
05/15/2022	3	100	100	54
05/15/2022	4	100	100	53
05/15/2022	5	100	100	54
05/15/2022	6	100	100	54
05/15/2022	7	100	100	53
05/15/2022	8	100	100	53
05/15/2022	9	132	100	57
05/15/2022	10	132	100	60
05/15/2022	11	133	100	63
05/15/2022	12	133	100	63
05/15/2022	13	133	100	65
05/15/2022	14	133	100	64
05/15/2022	15	133	100	64
05/15/2022	16	133	100	62
05/15/2022	17	133	100	62
05/15/2022	18	135	135	68
05/15/2022	19	134	116	69
05/15/2022	20	134	103	67
05/15/2022	21	134	100	65
05/15/2022	22	133	100	61
05/15/2022	23	100	100	58
05/15/2022	24	100	100	55
05/16/2022	1	96	86	54
05/16/2022	2	96	86	52
05/16/2022	3	96	86	51
05/16/2022	4	96	86	50
05/16/2022	5	100	100	53
05/16/2022	6	100	100	54
05/16/2022	7	100	100	53
05/16/2022	8	100	100	61
05/16/2022	9	132	100	70
05/16/2022	10	135	135	76
05/16/2022	11	135	135	80
05/16/2022	12	135	135	80
05/16/2022	13	135	135	81
05/16/2022	14	135	135	82
05/16/2022	15	135	135	81
05/16/2022	16	135	135	80
05/16/2022	17	135	135	76
05/16/2022	18	135	135	78
05/16/2022	19	135	135	77
05/16/2022	20	135	135	77
05/16/2022	21	135	135	73
05/16/2022	22	135	135	69
05/16/2022	23	135	135	67
05/16/2022	24	135	135	61
05/17/2022	1	100	100	60
05/17/2022	2	100	100	57
05/17/2022	3	100	100	57
05/17/2022	4	100	100	55
05/17/2022	5	100	100	56
05/17/2022	6	100	100	58
05/17/2022	7	100	100	56
05/17/2022	8	100	100	62
05/17/2022	9	112	100	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/17/2022	10	135	135	77
05/17/2022	11	135	135	81
05/17/2022	12	135	135	80
05/17/2022	13	135	135	80
05/17/2022	14	135	135	81
05/17/2022	15	135	135	79
05/17/2022	16	135	135	78
05/17/2022	17	135	135	73
05/17/2022	18	135	135	75
05/17/2022	19	135	135	75
05/17/2022	20	135	135	71
05/17/2022	21	135	135	70
05/17/2022	22	135	135	66
05/17/2022	23	135	135	62
05/17/2022	24	135	135	60
05/18/2022	1	100	100	58
05/18/2022	2	100	100	56
05/18/2022	3	100	100	53
05/18/2022	4	100	100	52
05/18/2022	5	100	100	55
05/18/2022	6	100	100	58
05/18/2022	7	100	100	56
05/18/2022	8	100	100	62
05/18/2022	9	112	100	70
05/18/2022	10	135	135	75
05/18/2022	11	135	135	78
05/18/2022	12	135	135	78
05/18/2022	13	135	135	78
05/18/2022	14	135	135	81
05/18/2022	15	135	135	78
05/18/2022	16	135	135	77
05/18/2022	17	135	135	73
05/18/2022	18	135	135	75
05/18/2022	19	135	135	74
05/18/2022	20	135	135	72
05/18/2022	21	135	135	70
05/18/2022	22	112	100	68
05/18/2022	23	100	100	64
05/18/2022	24	100	100	61
05/19/2022	1	100	100	59
05/19/2022	2	100	100	58
05/19/2022	3	100	100	56
05/19/2022	4	100	100	54
05/19/2022	5	100	100	56
05/19/2022	6	100	100	58
05/19/2022	7	100	100	57
05/19/2022	8	100	100	63
05/19/2022	9	113	100	71
05/19/2022	10	135	135	76
05/19/2022	11	135	135	80
05/19/2022	12	135	135	80
05/19/2022	13	135	135	81
05/19/2022	14	135	135	85
05/19/2022	15	135	135	82
05/19/2022	16	135	135	79
05/19/2022	17	135	135	75
05/19/2022	18	135	135	78
05/19/2022	19	135	135	79
05/19/2022	20	135	135	76
05/19/2022	21	135	135	73
05/19/2022	22	135	135	69
05/19/2022	23	135	135	66
05/19/2022	24	135	135	63
05/20/2022	1	120	120	62
05/20/2022	2	120	120	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/20/2022	3	120	120	58
05/20/2022	4	120	120	58
05/20/2022	5	120	120	59
05/20/2022	6	120	120	61
05/20/2022	7	120	120	60
05/20/2022	8	120	120	66
05/20/2022	9	120	120	74
05/20/2022	10	135	135	78
05/20/2022	11	135	135	81
05/20/2022	12	135	135	81
05/20/2022	13	135	135	82
05/20/2022	14	135	135	86
05/20/2022	15	135	135	84
05/20/2022	16	135	135	82
05/20/2022	17	135	135	78
05/20/2022	18	135	135	80
05/20/2022	19	135	135	81
05/20/2022	20	135	135	78
05/20/2022	21	135	135	77
05/20/2022	22	135	135	72
05/20/2022	23	135	135	69
05/20/2022	24	135	135	64
05/21/2022	1	100	100	60
05/21/2022	2	100	100	58
05/21/2022	3	100	100	56
05/21/2022	4	100	100	55
05/21/2022	5	100	100	56
05/21/2022	6	100	100	56
05/21/2022	7	100	100	56
05/21/2022	8	100	100	59
05/21/2022	9	119	100	63
05/21/2022	10	121	104	67
05/21/2022	11	132	131	70
05/21/2022	12	131	123	70
05/21/2022	13	132	131	70
05/21/2022	14	135	135	73
05/21/2022	15	135	135	74
05/21/2022	16	135	135	72
05/21/2022	17	135	135	70
05/21/2022	18	135	135	74
05/21/2022	19	135	135	75
05/21/2022	20	135	135	73
05/21/2022	21	135	135	71
05/21/2022	22	135	135	68
05/21/2022	23	135	135	65
05/21/2022	24	135	135	63
05/22/2022	1	104	103	60
05/22/2022	2	104	103	58
05/22/2022	3	100	100	55
05/22/2022	4	100	100	54
05/22/2022	5	100	100	55
05/22/2022	6	100	100	55
05/22/2022	7	100	100	55
05/22/2022	8	100	100	55
05/22/2022	9	100	100	57
05/22/2022	10	100	100	61
05/22/2022	11	124	100	63
05/22/2022	12	125	100	63
05/22/2022	13	125	100	65
05/22/2022	14	125	100	64
05/22/2022	15	125	100	64
05/22/2022	16	121	100	61
05/22/2022	17	123	100	62
05/22/2022	18	132	132	68
05/22/2022	19	126	125	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/22/2022	20	128	128	69
05/22/2022	21	122	106	67
05/22/2022	22	118	106	65
05/22/2022	23	106	106	62
05/22/2022	24	100	100	59
05/23/2022	1	135	135	62
05/23/2022	2	135	135	61
05/23/2022	3	135	135	60
05/23/2022	4	135	135	58
05/23/2022	5	135	135	59
05/23/2022	6	135	135	61
05/23/2022	7	135	135	61
05/23/2022	8	135	135	67
05/23/2022	9	135	135	76
05/23/2022	10	135	135	81
05/23/2022	11	135	135	84
05/23/2022	12	135	135	84
05/23/2022	13	135	135	84
05/23/2022	14	135	135	86
05/23/2022	15	135	135	85
05/23/2022	16	135	135	82
05/23/2022	17	135	135	78
05/23/2022	18	135	135	80
05/23/2022	19	135	135	81
05/23/2022	20	135	135	80
05/23/2022	21	135	135	77
05/23/2022	22	135	135	74
05/23/2022	23	135	135	70
05/23/2022	24	135	135	66
05/24/2022	1	100	100	60
05/24/2022	2	100	100	56
05/24/2022	3	100	100	56
05/24/2022	4	100	100	55
05/24/2022	5	100	100	56
05/24/2022	6	100	100	58
05/24/2022	7	100	100	57
05/24/2022	8	100	100	63
05/24/2022	9	114	100	72
05/24/2022	10	135	135	76
05/24/2022	11	135	135	81
05/24/2022	12	135	135	80
05/24/2022	13	135	135	80
05/24/2022	14	135	135	84
05/24/2022	15	135	135	82
05/24/2022	16	135	135	80
05/24/2022	17	135	135	75
05/24/2022	18	135	135	78
05/24/2022	19	135	135	79
05/24/2022	20	135	135	77
05/24/2022	21	135	135	73
05/24/2022	22	135	135	70
05/24/2022	23	135	135	68
05/24/2022	24	135	135	64
05/25/2022	1	113	113	60
05/25/2022	2	113	113	58
05/25/2022	3	113	113	56
05/25/2022	4	113	113	56
05/25/2022	5	113	113	57
05/25/2022	6	113	113	60
05/25/2022	7	113	113	58
05/25/2022	8	113	113	63
05/25/2022	9	114	113	72
05/25/2022	10	135	135	76
05/25/2022	11	135	135	80
05/25/2022	12	135	135	78

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/25/2022	13	135	135	79
05/25/2022	14	135	135	85
05/25/2022	15	135	135	83
05/25/2022	16	135	135	81
05/25/2022	17	135	135	77
05/25/2022	18	135	135	78
05/25/2022	19	135	135	79
05/25/2022	20	135	135	77
05/25/2022	21	135	135	76
05/25/2022	22	135	135	72
05/25/2022	23	135	135	68
05/25/2022	24	135	135	63
05/26/2022	1	135	135	61
05/26/2022	2	135	135	60
05/26/2022	3	135	135	59
05/26/2022	4	135	135	58
05/26/2022	5	135	135	58
05/26/2022	6	135	135	59
05/26/2022	7	135	135	58
05/26/2022	8	135	135	65
05/26/2022	9	135	135	74
05/26/2022	10	135	135	79
05/26/2022	11	135	135	78
05/26/2022	12	135	135	79
05/26/2022	13	135	135	80
05/26/2022	14	135	135	84
05/26/2022	15	135	135	83
05/26/2022	16	135	135	79
05/26/2022	17	135	135	75
05/26/2022	18	135	135	78
05/26/2022	19	135	135	79
05/26/2022	20	135	135	78
05/26/2022	21	135	135	75
05/26/2022	22	135	135	71
05/26/2022	23	135	135	68
05/26/2022	24	135	135	65
05/27/2022	1	100	100	60
05/27/2022	2	100	100	58
05/27/2022	3	100	100	56
05/27/2022	4	100	100	54
05/27/2022	5	100	100	56
05/27/2022	6	108	108	58
05/27/2022	7	108	108	58
05/27/2022	8	122	122	62
05/27/2022	9	135	135	70
05/27/2022	10	135	135	74
05/27/2022	11	135	135	77
05/27/2022	12	135	135	76
05/27/2022	13	135	135	77
05/27/2022	14	135	135	80
05/27/2022	15	135	135	80
05/27/2022	16	135	135	78
05/27/2022	17	135	135	75
05/27/2022	18	135	135	80
05/27/2022	19	135	135	79
05/27/2022	20	135	135	76
05/27/2022	21	135	135	73
05/27/2022	22	135	135	70
05/27/2022	23	135	135	67
05/27/2022	24	135	135	64
05/28/2022	1	120	120	62
05/28/2022	2	120	120	60
05/28/2022	3	120	120	56
05/28/2022	4	100	100	55
05/28/2022	5	100	100	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/28/2022	6	100	100	57
05/28/2022	7	100	100	56
05/28/2022	8	100	100	59
05/28/2022	9	119	100	64
05/28/2022	10	135	135	68
05/28/2022	11	135	135	71
05/28/2022	12	135	135	70
05/28/2022	13	135	135	70
05/28/2022	14	135	135	73
05/28/2022	15	135	135	72
05/28/2022	16	135	135	71
05/28/2022	17	135	135	70
05/28/2022	18	135	135	74
05/28/2022	19	135	135	75
05/28/2022	20	135	135	73
05/28/2022	21	135	135	72
05/28/2022	22	135	135	68
05/28/2022	23	135	135	65
05/28/2022	24	135	135	62
05/29/2022	1	113	112	58
05/29/2022	2	113	112	57
05/29/2022	3	113	112	54
05/29/2022	4	113	112	55
05/29/2022	5	112	111	54
05/29/2022	6	100	100	53
05/29/2022	7	100	100	51
05/29/2022	8	100	100	51
05/29/2022	9	100	100	54
05/29/2022	10	100	100	58
05/29/2022	11	110	100	60
05/29/2022	12	110	105	61
05/29/2022	13	113	113	62
05/29/2022	14	113	113	62
05/29/2022	15	113	113	62
05/29/2022	16	113	113	60
05/29/2022	17	113	113	62
05/29/2022	18	135	135	68
05/29/2022	19	122	119	69
05/29/2022	20	122	119	69
05/29/2022	21	122	115	67
05/29/2022	22	115	114	64
05/29/2022	23	102	101	61
05/29/2022	24	100	100	58
05/30/2022	1	100	100	58
05/30/2022	2	100	100	56
05/30/2022	3	100	100	54
05/30/2022	4	100	100	54
05/30/2022	5	100	100	55
05/30/2022	6	120	120	58
05/30/2022	7	120	120	57
05/30/2022	8	120	120	62
05/30/2022	9	120	120	70
05/30/2022	10	135	135	75
05/30/2022	11	135	135	77
05/30/2022	12	135	135	77
05/30/2022	13	135	135	77
05/30/2022	14	135	135	80
05/30/2022	15	135	135	78
05/30/2022	16	135	135	77
05/30/2022	17	135	135	74
05/30/2022	18	135	135	75
05/30/2022	19	135	135	75
05/30/2022	20	135	135	74
05/30/2022	21	135	135	71
05/30/2022	22	135	135	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
05/30/2022	23	135	135	64
05/30/2022	24	135	135	61
05/31/2022	1	100	100	58
05/31/2022	2	100	100	56
05/31/2022	3	100	100	55
05/31/2022	4	100	100	54
05/31/2022	5	100	100	55
05/31/2022	6	100	100	58
05/31/2022	7	100	100	57
05/31/2022	8	117	117	62
05/31/2022	9	135	135	70
05/31/2022	10	135	135	76
05/31/2022	11	135	135	79
05/31/2022	12	135	135	79
05/31/2022	13	135	135	79
05/31/2022	14	135	135	82
05/31/2022	15	135	135	80
05/31/2022	16	135	135	79
05/31/2022	17	135	135	75
05/31/2022	18	135	135	77
05/31/2022	19	135	135	77
05/31/2022	20	135	135	75
05/31/2022	21	135	135	72
05/31/2022	22	135	135	69
05/31/2022	23	135	135	65
05/31/2022	24	111	110	61
06/01/2022	1	100	100	58
06/01/2022	2	100	100	56
06/01/2022	3	100	100	54
06/01/2022	4	100	100	53
06/01/2022	5	100	100	55
06/01/2022	6	100	100	57
06/01/2022	7	100	100	56
06/01/2022	8	100	100	61
06/01/2022	9	109	100	69
06/01/2022	10	135	135	74
06/01/2022	11	135	135	77
06/01/2022	12	135	135	77
06/01/2022	13	135	135	77
06/01/2022	14	135	135	80
06/01/2022	15	135	135	78
06/01/2022	16	135	135	78
06/01/2022	17	135	135	74
06/01/2022	18	135	135	76
06/01/2022	19	135	135	76
06/01/2022	20	135	135	74
06/01/2022	21	135	135	72
06/01/2022	22	135	135	68
06/01/2022	23	135	135	65
06/01/2022	24	135	135	61
06/02/2022	1	110	110	61
06/02/2022	2	110	110	60
06/02/2022	3	110	110	58
06/02/2022	4	110	110	58
06/02/2022	5	110	110	58
06/02/2022	6	110	110	60
06/02/2022	7	110	110	58
06/02/2022	8	110	110	65
06/02/2022	9	110	110	73
06/02/2022	10	135	135	79
06/02/2022	11	135	135	80
06/02/2022	12	135	135	80
06/02/2022	13	135	135	80
06/02/2022	14	135	135	84
06/02/2022	15	135	135	83

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/02/2022	16	135	135	80
06/02/2022	17	135	135	76
06/02/2022	18	135	135	77
06/02/2022	19	135	135	78
06/02/2022	20	135	135	76
06/02/2022	21	135	135	74
06/02/2022	22	135	135	71
06/02/2022	23	135	135	67
06/02/2022	24	135	135	63
06/03/2022	1	135	135	62
06/03/2022	2	135	135	59
06/03/2022	3	135	135	58
06/03/2022	4	135	135	56
06/03/2022	5	135	135	58
06/03/2022	6	135	135	60
06/03/2022	7	135	135	60
06/03/2022	8	135	135	65
06/03/2022	9	135	135	74
06/03/2022	10	135	135	79
06/03/2022	11	135	135	82
06/03/2022	12	135	135	80
06/03/2022	13	135	135	82
06/03/2022	14	135	135	86
06/03/2022	15	135	135	84
06/03/2022	16	135	135	82
06/03/2022	17	135	135	77
06/03/2022	18	135	135	77
06/03/2022	19	135	135	78
06/03/2022	20	135	135	76
06/03/2022	21	135	135	74
06/03/2022	22	135	135	70
06/03/2022	23	135	135	67
06/03/2022	24	135	135	64
06/04/2022	1	135	135	62
06/04/2022	2	135	135	59
06/04/2022	3	131	131	57
06/04/2022	4	135	134	57
06/04/2022	5	135	135	58
06/04/2022	6	135	135	58
06/04/2022	7	131	131	57
06/04/2022	8	131	131	60
06/04/2022	9	135	135	67
06/04/2022	10	135	135	71
06/04/2022	11	135	135	73
06/04/2022	12	135	135	73
06/04/2022	13	135	135	72
06/04/2022	14	135	135	74
06/04/2022	15	135	135	73
06/04/2022	16	135	135	72
06/04/2022	17	135	135	70
06/04/2022	18	135	135	74
06/04/2022	19	135	135	76
06/04/2022	20	135	135	73
06/04/2022	21	135	135	71
06/04/2022	22	135	135	68
06/04/2022	23	135	135	64
06/04/2022	24	135	135	61
06/05/2022	1	100	100	58
06/05/2022	2	100	100	56
06/05/2022	3	100	100	54
06/05/2022	4	100	100	53
06/05/2022	5	100	100	53
06/05/2022	6	100	100	54
06/05/2022	7	100	100	53
06/05/2022	8	100	100	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/05/2022	9	100	100	56
06/05/2022	10	135	135	59
06/05/2022	11	135	135	62
06/05/2022	12	135	135	63
06/05/2022	13	135	135	63
06/05/2022	14	135	135	64
06/05/2022	15	135	135	64
06/05/2022	16	135	135	61
06/05/2022	17	135	135	63
06/05/2022	18	135	135	69
06/05/2022	19	135	135	70
06/05/2022	20	135	135	68
06/05/2022	21	135	135	66
06/05/2022	22	135	135	63
06/05/2022	23	135	135	60
06/05/2022	24	135	135	57
06/06/2022	1	100	100	55
06/06/2022	2	100	100	54
06/06/2022	3	100	100	53
06/06/2022	4	100	100	52
06/06/2022	5	118	118	54
06/06/2022	6	135	135	57
06/06/2022	7	135	135	56
06/06/2022	8	135	135	62
06/06/2022	9	135	135	69
06/06/2022	10	135	135	75
06/06/2022	11	135	135	78
06/06/2022	12	135	135	76
06/06/2022	13	135	135	77
06/06/2022	14	135	135	80
06/06/2022	15	135	135	78
06/06/2022	16	135	135	78
06/06/2022	17	135	135	74
06/06/2022	18	135	135	75
06/06/2022	19	135	135	76
06/06/2022	20	135	135	74
06/06/2022	21	135	135	72
06/06/2022	22	135	135	68
06/06/2022	23	135	135	65
06/06/2022	24	135	135	62
06/07/2022	1	110	110	58
06/07/2022	2	110	110	56
06/07/2022	3	110	110	56
06/07/2022	4	110	110	55
06/07/2022	5	110	110	56
06/07/2022	6	135	135	59
06/07/2022	7	135	135	58
06/07/2022	8	135	135	63
06/07/2022	9	135	135	72
06/07/2022	10	135	135	77
06/07/2022	11	135	135	79
06/07/2022	12	135	135	79
06/07/2022	13	135	135	80
06/07/2022	14	135	135	84
06/07/2022	15	135	135	82
06/07/2022	16	135	135	80
06/07/2022	17	135	135	75
06/07/2022	18	135	135	76
06/07/2022	19	135	135	78
06/07/2022	20	135	135	76
06/07/2022	21	135	135	74
06/07/2022	22	135	135	70
06/07/2022	23	135	135	66
06/07/2022	24	135	135	63
06/08/2022	1	135	135	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/08/2022	2	135	135	59
06/08/2022	3	135	135	58
06/08/2022	4	135	135	56
06/08/2022	5	135	135	58
06/08/2022	6	135	135	60
06/08/2022	7	135	135	59
06/08/2022	8	135	135	65
06/08/2022	9	135	135	74
06/08/2022	10	135	135	79
06/08/2022	11	135	135	82
06/08/2022	12	135	135	81
06/08/2022	13	135	135	81
06/08/2022	14	138	138	86
06/08/2022	15	138	138	84
06/08/2022	16	135	135	82
06/08/2022	17	135	135	77
06/08/2022	18	135	135	78
06/08/2022	19	135	135	79
06/08/2022	20	135	135	77
06/08/2022	21	135	135	76
06/08/2022	22	135	135	71
06/08/2022	23	135	135	68
06/08/2022	24	135	135	63
06/09/2022	1	135	135	61
06/09/2022	2	135	135	59
06/09/2022	3	135	135	57
06/09/2022	4	135	135	56
06/09/2022	5	135	135	58
06/09/2022	6	135	135	60
06/09/2022	7	135	135	58
06/09/2022	8	135	135	64
06/09/2022	9	135	135	72
06/09/2022	10	136	136	78
06/09/2022	11	138	138	82
06/09/2022	12	138	138	82
06/09/2022	13	138	138	82
06/09/2022	14	138	138	86
06/09/2022	15	138	138	84
06/09/2022	16	138	138	82
06/09/2022	17	135	135	76
06/09/2022	18	135	135	76
06/09/2022	19	135	135	78
06/09/2022	20	135	135	76
06/09/2022	21	135	135	74
06/09/2022	22	135	135	70
06/09/2022	23	135	135	66
06/09/2022	24	135	135	62
06/10/2022	1	100	100	59
06/10/2022	2	100	100	57
06/10/2022	3	100	100	54
06/10/2022	4	100	100	54
06/10/2022	5	100	100	55
06/10/2022	6	100	100	58
06/10/2022	7	100	100	56
06/10/2022	8	130	129	62
06/10/2022	9	135	135	70
06/10/2022	10	135	135	77
06/10/2022	11	135	135	80
06/10/2022	12	135	135	79
06/10/2022	13	135	135	80
06/10/2022	14	135	135	82
06/10/2022	15	135	135	81
06/10/2022	16	135	135	78
06/10/2022	17	135	135	74
06/10/2022	18	135	135	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/10/2022	19	135	135	76
06/10/2022	20	135	135	74
06/10/2022	21	135	135	71
06/10/2022	22	135	135	68
06/10/2022	23	135	135	65
06/10/2022	24	135	135	61
06/11/2022	1	120	120	59
06/11/2022	2	120	120	58
06/11/2022	3	120	120	56
06/11/2022	4	120	120	55
06/11/2022	5	120	120	54
06/11/2022	6	120	120	57
06/11/2022	7	120	120	56
06/11/2022	8	120	120	60
06/11/2022	9	121	120	66
06/11/2022	10	135	135	69
06/11/2022	11	135	135	72
06/11/2022	12	135	135	72
06/11/2022	13	135	135	72
06/11/2022	14	135	135	74
06/11/2022	15	135	135	74
06/11/2022	16	135	135	71
06/11/2022	17	135	135	70
06/11/2022	18	135	135	74
06/11/2022	19	135	135	75
06/11/2022	20	135	135	73
06/11/2022	21	135	135	71
06/11/2022	22	135	135	68
06/11/2022	23	135	135	64
06/11/2022	24	135	135	61
06/12/2022	1	113	100	58
06/12/2022	2	113	100	56
06/12/2022	3	113	100	54
06/12/2022	4	113	100	54
06/12/2022	5	115	100	53
06/12/2022	6	116	100	54
06/12/2022	7	116	100	53
06/12/2022	8	117	100	53
06/12/2022	9	134	100	55
06/12/2022	10	134	100	58
06/12/2022	11	134	121	60
06/12/2022	12	134	121	61
06/12/2022	13	134	121	62
06/12/2022	14	134	121	62
06/12/2022	15	134	121	61
06/12/2022	16	134	121	59
06/12/2022	17	135	135	61
06/12/2022	18	135	135	68
06/12/2022	19	135	135	68
06/12/2022	20	135	135	67
06/12/2022	21	134	126	65
06/12/2022	22	134	100	61
06/12/2022	23	121	100	57
06/12/2022	24	116	100	56
06/13/2022	1	112	100	52
06/13/2022	2	100	100	52
06/13/2022	3	100	100	50
06/13/2022	4	100	100	50
06/13/2022	5	102	100	52
06/13/2022	6	112	100	55
06/13/2022	7	112	100	54
06/13/2022	8	112	100	60
06/13/2022	9	132	128	69
06/13/2022	10	135	135	74
06/13/2022	11	135	135	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/13/2022	12	135	135	76
06/13/2022	13	135	135	78
06/13/2022	14	138	138	82
06/13/2022	15	138	138	81
06/13/2022	16	138	138	80
06/13/2022	17	135	135	76
06/13/2022	18	135	135	76
06/13/2022	19	135	135	78
06/13/2022	20	135	135	76
06/13/2022	21	135	135	74
06/13/2022	22	135	135	70
06/13/2022	23	135	135	67
06/13/2022	24	135	135	63
06/14/2022	1	100	100	59
06/14/2022	2	100	100	57
06/14/2022	3	100	100	57
06/14/2022	4	100	100	54
06/14/2022	5	120	120	56
06/14/2022	6	120	120	59
06/14/2022	7	120	120	58
06/14/2022	8	120	120	63
06/14/2022	9	132	120	71
06/14/2022	10	138	138	76
06/14/2022	11	138	138	81
06/14/2022	12	138	138	81
06/14/2022	13	138	138	82
06/14/2022	14	138	138	84
06/14/2022	15	138	138	82
06/14/2022	16	138	138	81
06/14/2022	17	138	138	76
06/14/2022	18	138	138	76
06/14/2022	19	138	138	78
06/14/2022	20	138	138	76
06/14/2022	21	138	138	74
06/14/2022	22	135	135	69
06/14/2022	23	135	135	66
06/14/2022	24	135	135	62
06/15/2022	1	135	135	60
06/15/2022	2	121	121	58
06/15/2022	3	120	120	56
06/15/2022	4	120	120	56
06/15/2022	5	128	128	56
06/15/2022	6	135	135	60
06/15/2022	7	135	135	58
06/15/2022	8	135	135	63
06/15/2022	9	135	135	71
06/15/2022	10	138	138	77
06/15/2022	11	138	138	80
06/15/2022	12	138	138	79
06/15/2022	13	138	138	80
06/15/2022	14	138	138	82
06/15/2022	15	138	138	80
06/15/2022	16	138	137	79
06/15/2022	17	137	137	76
06/15/2022	18	137	137	78
06/15/2022	19	138	138	78
06/15/2022	20	138	138	74
06/15/2022	21	135	135	72
06/15/2022	22	135	135	68
06/15/2022	23	135	135	64
06/15/2022	24	135	135	61
06/16/2022	1	120	120	58
06/16/2022	2	120	120	56
06/16/2022	3	120	120	54
06/16/2022	4	120	120	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/16/2022	5	120	120	55
06/16/2022	6	120	120	58
06/16/2022	7	120	120	56
06/16/2022	8	120	120	61
06/16/2022	9	133	120	70
06/16/2022	10	135	135	76
06/16/2022	11	135	135	78
06/16/2022	12	135	135	78
06/16/2022	13	135	135	79
06/16/2022	14	138	138	82
06/16/2022	15	138	138	80
06/16/2022	16	135	135	78
06/16/2022	17	135	135	75
06/16/2022	18	135	135	75
06/16/2022	19	135	135	76
06/16/2022	20	135	135	74
06/16/2022	21	135	135	72
06/16/2022	22	135	135	69
06/16/2022	23	135	135	65
06/16/2022	24	135	135	61
06/17/2022	1	120	120	60
06/17/2022	2	120	120	58
06/17/2022	3	120	120	56
06/17/2022	4	120	120	56
06/17/2022	5	120	120	58
06/17/2022	6	120	120	58
06/17/2022	7	120	120	58
06/17/2022	8	120	120	64
06/17/2022	9	120	120	72
06/17/2022	10	135	135	77
06/17/2022	11	138	138	79
06/17/2022	12	138	138	79
06/17/2022	13	138	138	80
06/17/2022	14	138	138	82
06/17/2022	15	138	138	82
06/17/2022	16	138	138	79
06/17/2022	17	138	138	75
06/17/2022	18	138	138	76
06/17/2022	19	138	138	78
06/17/2022	20	135	135	76
06/17/2022	21	135	135	73
06/17/2022	22	135	135	69
06/17/2022	23	135	135	65
06/17/2022	24	135	135	61
06/18/2022	1	135	135	60
06/18/2022	2	128	128	58
06/18/2022	3	111	110	56
06/18/2022	4	100	100	56
06/18/2022	5	100	100	54
06/18/2022	6	100	100	56
06/18/2022	7	100	100	57
06/18/2022	8	106	105	58
06/18/2022	9	130	129	64
06/18/2022	10	135	135	68
06/18/2022	11	135	135	71
06/18/2022	12	135	135	73
06/18/2022	13	135	135	72
06/18/2022	14	135	135	75
06/18/2022	15	135	135	73
06/18/2022	16	135	135	72
06/18/2022	17	135	135	70
06/18/2022	18	135	135	74
06/18/2022	19	135	135	75
06/18/2022	20	135	135	74
06/18/2022	21	135	135	72

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/18/2022	22	135	135	68
06/18/2022	23	135	135	64
06/18/2022	24	135	135	61
06/19/2022	1	100	100	58
06/19/2022	2	100	100	56
06/19/2022	3	90	90	54
06/19/2022	4	90	90	53
06/19/2022	5	90	90	53
06/19/2022	6	90	90	53
06/19/2022	7	90	90	53
06/19/2022	8	100	100	52
06/19/2022	9	120	100	55
06/19/2022	10	120	100	59
06/19/2022	11	120	100	62
06/19/2022	12	120	100	63
06/19/2022	13	124	123	64
06/19/2022	14	124	124	64
06/19/2022	15	135	135	64
06/19/2022	16	119	118	62
06/19/2022	17	133	132	63
06/19/2022	18	135	135	68
06/19/2022	19	135	135	72
06/19/2022	20	135	135	70
06/19/2022	21	135	135	68
06/19/2022	22	100	100	65
06/19/2022	23	100	100	61
06/19/2022	24	100	100	58
06/20/2022	1	100	100	55
06/20/2022	2	100	100	54
06/20/2022	3	90	90	52
06/20/2022	4	90	90	52
06/20/2022	5	90	90	51
06/20/2022	6	90	90	53
06/20/2022	7	90	90	53
06/20/2022	8	100	100	60
06/20/2022	9	135	135	69
06/20/2022	10	135	135	75
06/20/2022	11	135	135	78
06/20/2022	12	135	135	77
06/20/2022	13	135	135	78
06/20/2022	14	135	135	82
06/20/2022	15	135	135	80
06/20/2022	16	135	135	80
06/20/2022	17	135	135	75
06/20/2022	18	135	135	75
06/20/2022	19	135	135	77
06/20/2022	20	135	135	76
06/20/2022	21	135	135	74
06/20/2022	22	104	103	70
06/20/2022	23	100	100	66
06/20/2022	24	100	100	62
06/21/2022	1	100	100	57
06/21/2022	2	90	90	55
06/21/2022	3	90	90	55
06/21/2022	4	90	90	54
06/21/2022	5	90	90	55
06/21/2022	6	90	90	59
06/21/2022	7	90	90	57
06/21/2022	8	100	100	64
06/21/2022	9	135	135	71
06/21/2022	10	135	135	77
06/21/2022	11	135	135	80
06/21/2022	12	135	135	79
06/21/2022	13	135	135	79
06/21/2022	14	135	135	82

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/21/2022	15	135	135	80
06/21/2022	16	135	135	77
06/21/2022	17	135	135	74
06/21/2022	18	135	135	75
06/21/2022	19	135	135	77
06/21/2022	20	135	135	75
06/21/2022	21	135	135	72
06/21/2022	22	111	100	69
06/21/2022	23	100	100	65
06/21/2022	24	100	100	61
06/22/2022	1	100	100	58
06/22/2022	2	100	100	56
06/22/2022	3	90	90	54
06/22/2022	4	90	90	54
06/22/2022	5	90	90	55
06/22/2022	6	90	90	57
06/22/2022	7	90	90	56
06/22/2022	8	100	100	61
06/22/2022	9	135	135	70
06/22/2022	10	135	135	75
06/22/2022	11	135	135	78
06/22/2022	12	135	135	78
06/22/2022	13	135	135	79
06/22/2022	14	138	138	82
06/22/2022	15	135	135	80
06/22/2022	16	135	135	78
06/22/2022	17	135	135	75
06/22/2022	18	135	135	75
06/22/2022	19	135	135	77
06/22/2022	20	135	135	74
06/22/2022	21	135	135	72
06/22/2022	22	117	110	68
06/22/2022	23	100	100	64
06/22/2022	24	100	100	61
06/23/2022	1	100	100	60
06/23/2022	2	100	100	58
06/23/2022	3	90	90	56
06/23/2022	4	90	90	55
06/23/2022	5	90	90	57
06/23/2022	6	90	90	58
06/23/2022	7	90	90	58
06/23/2022	8	100	100	63
06/23/2022	9	135	135	71
06/23/2022	10	135	135	77
06/23/2022	11	138	138	79
06/23/2022	12	135	135	78
06/23/2022	13	135	135	77
06/23/2022	14	138	138	80
06/23/2022	15	137	137	78
06/23/2022	16	135	135	76
06/23/2022	17	135	135	72
06/23/2022	18	135	135	74
06/23/2022	19	135	135	74
06/23/2022	20	135	135	72
06/23/2022	21	135	135	70
06/23/2022	22	115	100	66
06/23/2022	23	100	100	62
06/23/2022	24	100	100	58
06/24/2022	1	100	100	58
06/24/2022	2	90	90	57
06/24/2022	3	90	90	54
06/24/2022	4	90	90	54
06/24/2022	5	90	90	55
06/24/2022	6	100	100	57
06/24/2022	7	100	100	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/24/2022	8	100	100	62
06/24/2022	9	125	125	70
06/24/2022	10	135	135	74
06/24/2022	11	135	135	78
06/24/2022	12	135	135	78
06/24/2022	13	135	135	78
06/24/2022	14	138	138	81
06/24/2022	15	138	138	81
06/24/2022	16	135	135	77
06/24/2022	17	135	135	73
06/24/2022	18	135	135	75
06/24/2022	19	135	135	76
06/24/2022	20	135	135	75
06/24/2022	21	132	132	72
06/24/2022	22	128	128	69
06/24/2022	23	128	128	65
06/24/2022	24	115	115	61
06/25/2022	1	100	100	59
06/25/2022	2	90	90	57
06/25/2022	3	90	90	54
06/25/2022	4	90	90	54
06/25/2022	5	90	90	54
06/25/2022	6	100	100	56
06/25/2022	7	100	100	55
06/25/2022	8	100	100	58
06/25/2022	9	125	125	63
06/25/2022	10	135	135	68
06/25/2022	11	135	135	71
06/25/2022	12	135	135	71
06/25/2022	13	135	135	71
06/25/2022	14	135	135	74
06/25/2022	15	135	135	72
06/25/2022	16	135	135	70
06/25/2022	17	135	135	69
06/25/2022	18	135	135	73
06/25/2022	19	135	135	74
06/25/2022	20	135	135	73
06/25/2022	21	135	135	71
06/25/2022	22	133	133	68
06/25/2022	23	122	122	64
06/25/2022	24	115	115	61
06/26/2022	1	100	100	58
06/26/2022	2	90	90	57
06/26/2022	3	90	90	54
06/26/2022	4	90	90	53
06/26/2022	5	90	90	54
06/26/2022	6	100	100	54
06/26/2022	7	100	100	54
06/26/2022	8	100	100	52
06/26/2022	9	100	100	52
06/26/2022	10	113	110	57
06/26/2022	11	121	110	58
06/26/2022	12	122	110	60
06/26/2022	13	122	110	60
06/26/2022	14	122	110	60
06/26/2022	15	122	110	60
06/26/2022	16	121	110	56
06/26/2022	17	121	110	57
06/26/2022	18	135	135	68
06/26/2022	19	135	135	70
06/26/2022	20	135	135	68
06/26/2022	21	132	132	67
06/26/2022	22	128	128	64
06/26/2022	23	122	122	60
06/26/2022	24	115	115	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/27/2022	1	100	100	56
06/27/2022	2	90	90	54
06/27/2022	3	90	90	53
06/27/2022	4	90	90	52
06/27/2022	5	90	90	54
06/27/2022	6	110	110	56
06/27/2022	7	125	125	56
06/27/2022	8	135	135	61
06/27/2022	9	135	135	70
06/27/2022	10	138	138	75
06/27/2022	11	138	138	78
06/27/2022	12	138	138	78
06/27/2022	13	138	138	78
06/27/2022	14	138	138	82
06/27/2022	15	138	138	79
06/27/2022	16	138	138	77
06/27/2022	17	135	135	74
06/27/2022	18	135	135	73
06/27/2022	19	138	138	76
06/27/2022	20	133	133	73
06/27/2022	21	134	133	71
06/27/2022	22	119	118	67
06/27/2022	23	122	122	64
06/27/2022	24	115	115	60
06/28/2022	1	100	100	58
06/28/2022	2	100	100	56
06/28/2022	3	90	90	55
06/28/2022	4	90	90	54
06/28/2022	5	90	90	56
06/28/2022	6	90	90	58
06/28/2022	7	90	90	57
06/28/2022	8	100	100	62
06/28/2022	9	135	135	70
06/28/2022	10	135	135	76
06/28/2022	11	136	135	79
06/28/2022	12	135	135	78
06/28/2022	13	135	135	78
06/28/2022	14	138	138	81
06/28/2022	15	138	138	79
06/28/2022	16	135	135	77
06/28/2022	17	135	135	73
06/28/2022	18	135	135	74
06/28/2022	19	135	135	76
06/28/2022	20	135	135	73
06/28/2022	21	135	135	72
06/28/2022	22	115	100	67
06/28/2022	23	100	100	63
06/28/2022	24	100	100	60
06/29/2022	1	100	100	57
06/29/2022	2	100	100	56
06/29/2022	3	90	90	54
06/29/2022	4	90	90	53
06/29/2022	5	90	90	55
06/29/2022	6	90	90	58
06/29/2022	7	90	90	56
06/29/2022	8	100	100	61
06/29/2022	9	135	135	69
06/29/2022	10	135	135	74
06/29/2022	11	138	138	78
06/29/2022	12	135	135	77
06/29/2022	13	135	135	78
06/29/2022	14	138	138	81
06/29/2022	15	135	135	79
06/29/2022	16	135	135	77
06/29/2022	17	135	135	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
06/29/2022	18	135	135	75
06/29/2022	19	135	135	76
06/29/2022	20	135	135	74
06/29/2022	21	135	135	71
06/29/2022	22	114	100	66
06/29/2022	23	100	100	63
06/29/2022	24	100	100	60
06/30/2022	1	100	100	58
06/30/2022	2	100	100	56
06/30/2022	3	90	90	55
06/30/2022	4	90	90	54
06/30/2022	5	90	90	55
06/30/2022	6	90	90	58
06/30/2022	7	90	90	58
06/30/2022	8	100	100	63
06/30/2022	9	135	135	71
06/30/2022	10	135	135	76
06/30/2022	11	135	135	79
06/30/2022	12	135	135	78
06/30/2022	13	135	135	79
06/30/2022	14	138	138	82
06/30/2022	15	138	138	80
06/30/2022	16	135	135	78
06/30/2022	17	135	135	75
06/30/2022	18	135	135	75
06/30/2022	19	135	135	76
06/30/2022	20	135	135	75
06/30/2022	21	135	135	74
06/30/2022	22	118	115	70
06/30/2022	23	108	107	66
06/30/2022	24	100	100	62
07/01/2022	1	100	100	60
07/01/2022	2	100	100	58
07/01/2022	3	90	90	56
07/01/2022	4	90	90	56
07/01/2022	5	90	90	57
07/01/2022	6	90	90	58
07/01/2022	7	90	90	57
07/01/2022	8	100	100	63
07/01/2022	9	138	138	71
07/01/2022	10	138	138	76
07/01/2022	11	138	138	79
07/01/2022	12	138	138	78
07/01/2022	13	138	138	79
07/01/2022	14	138	138	81
07/01/2022	15	138	138	80
07/01/2022	16	138	138	78
07/01/2022	17	138	138	74
07/01/2022	18	138	138	76
07/01/2022	19	138	138	78
07/01/2022	20	138	138	76
07/01/2022	21	137	136	73
07/01/2022	22	128	127	69
07/01/2022	23	122	121	65
07/01/2022	24	101	101	61
07/02/2022	1	100	100	61
07/02/2022	2	100	100	58
07/02/2022	3	90	90	56
07/02/2022	4	90	90	56
07/02/2022	5	90	90	55
07/02/2022	6	90	90	57
07/02/2022	7	90	90	56
07/02/2022	8	100	100	59
07/02/2022	9	135	135	64
07/02/2022	10	135	135	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/02/2022	11	135	135	71
07/02/2022	12	135	135	71
07/02/2022	13	135	135	74
07/02/2022	14	135	135	75
07/02/2022	15	135	135	74
07/02/2022	16	135	135	72
07/02/2022	17	135	135	70
07/02/2022	18	135	135	74
07/02/2022	19	135	135	76
07/02/2022	20	135	135	73
07/02/2022	21	135	135	71
07/02/2022	22	135	135	68
07/02/2022	23	102	102	65
07/02/2022	24	100	100	62
07/03/2022	1	100	100	58
07/03/2022	2	100	100	57
07/03/2022	3	90	90	55
07/03/2022	4	90	90	54
07/03/2022	5	90	90	54
07/03/2022	6	90	90	54
07/03/2022	7	90	90	53
07/03/2022	8	90	90	53
07/03/2022	9	100	100	56
07/03/2022	10	114	100	59
07/03/2022	11	117	100	62
07/03/2022	12	119	100	64
07/03/2022	13	119	105	64
07/03/2022	14	119	105	64
07/03/2022	15	119	100	63
07/03/2022	16	117	100	60
07/03/2022	17	117	100	61
07/03/2022	18	135	135	70
07/03/2022	19	135	135	71
07/03/2022	20	135	135	69
07/03/2022	21	135	135	67
07/03/2022	22	100	100	64
07/03/2022	23	100	100	60
07/03/2022	24	100	100	58
07/04/2022	1	100	100	56
07/04/2022	2	100	100	54
07/04/2022	3	90	90	52
07/04/2022	4	90	90	51
07/04/2022	5	90	90	53
07/04/2022	6	90	90	56
07/04/2022	7	90	90	56
07/04/2022	8	100	100	61
07/04/2022	9	135	135	70
07/04/2022	10	135	135	75
07/04/2022	11	135	135	78
07/04/2022	12	135	135	78
07/04/2022	13	138	137	78
07/04/2022	14	138	138	82
07/04/2022	15	138	138	80
07/04/2022	16	137	136	78
07/04/2022	17	135	135	74
07/04/2022	18	135	135	74
07/04/2022	19	135	135	75
07/04/2022	20	135	135	72
07/04/2022	21	135	135	70
07/04/2022	22	111	110	66
07/04/2022	23	100	100	63
07/04/2022	24	100	100	59
07/05/2022	1	110	110	58
07/05/2022	2	110	110	56
07/05/2022	3	90	90	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/05/2022	4	90	90	54
07/05/2022	5	90	90	56
07/05/2022	6	90	90	58
07/05/2022	7	90	90	57
07/05/2022	8	100	100	63
07/05/2022	9	122	115	70
07/05/2022	10	135	135	76
07/05/2022	11	135	135	79
07/05/2022	12	135	135	77
07/05/2022	13	135	135	77
07/05/2022	14	138	138	81
07/05/2022	15	135	135	78
07/05/2022	16	135	135	76
07/05/2022	17	135	135	72
07/05/2022	18	135	135	74
07/05/2022	19	135	135	75
07/05/2022	20	135	135	72
07/05/2022	21	135	135	70
07/05/2022	22	135	135	66
07/05/2022	23	115	115	62
07/05/2022	24	110	110	59
07/06/2022	1	110	110	56
07/06/2022	2	110	110	54
07/06/2022	3	90	90	52
07/06/2022	4	90	90	52
07/06/2022	5	90	90	53
07/06/2022	6	90	90	55
07/06/2022	7	90	90	55
07/06/2022	8	100	100	60
07/06/2022	9	115	115	68
07/06/2022	10	135	135	74
07/06/2022	11	138	138	77
07/06/2022	12	138	138	77
07/06/2022	13	138	138	78
07/06/2022	14	138	138	80
07/06/2022	15	138	138	78
07/06/2022	16	135	135	75
07/06/2022	17	135	135	72
07/06/2022	18	135	135	73
07/06/2022	19	135	135	75
07/06/2022	20	135	135	73
07/06/2022	21	135	135	71
07/06/2022	22	135	135	66
07/06/2022	23	115	115	63
07/06/2022	24	110	110	60
07/07/2022	1	110	110	55
07/07/2022	2	110	110	54
07/07/2022	3	90	90	53
07/07/2022	4	90	90	53
07/07/2022	5	90	90	54
07/07/2022	6	90	90	55
07/07/2022	7	90	90	56
07/07/2022	8	108	107	61
07/07/2022	9	138	138	70
07/07/2022	10	138	138	75
07/07/2022	11	138	138	78
07/07/2022	12	138	138	77
07/07/2022	13	138	138	78
07/07/2022	14	138	138	80
07/07/2022	15	138	138	80
07/07/2022	16	138	138	77
07/07/2022	17	135	135	72
07/07/2022	18	135	135	73
07/07/2022	19	135	135	74
07/07/2022	20	135	135	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/07/2022	21	135	135	68
07/07/2022	22	135	135	66
07/07/2022	23	115	115	62
07/07/2022	24	110	110	59
07/08/2022	1	110	110	59
07/08/2022	2	110	110	57
07/08/2022	3	90	90	56
07/08/2022	4	90	90	55
07/08/2022	5	90	90	56
07/08/2022	6	90	90	58
07/08/2022	7	90	90	57
07/08/2022	8	125	124	63
07/08/2022	9	138	138	71
07/08/2022	10	138	138	77
07/08/2022	11	138	138	79
07/08/2022	12	138	138	78
07/08/2022	13	138	138	79
07/08/2022	14	138	138	81
07/08/2022	15	138	138	81
07/08/2022	16	138	138	79
07/08/2022	17	138	138	75
07/08/2022	18	138	138	77
07/08/2022	19	138	138	77
07/08/2022	20	138	138	75
07/08/2022	21	135	135	73
07/08/2022	22	135	135	69
07/08/2022	23	129	128	65
07/08/2022	24	110	110	61
07/09/2022	1	110	110	59
07/09/2022	2	110	110	57
07/09/2022	3	90	90	55
07/09/2022	4	90	90	55
07/09/2022	5	90	90	56
07/09/2022	6	90	90	57
07/09/2022	7	90	90	56
07/09/2022	8	100	100	59
07/09/2022	9	115	115	64
07/09/2022	10	135	135	68
07/09/2022	11	135	135	69
07/09/2022	12	135	135	69
07/09/2022	13	135	135	70
07/09/2022	14	135	135	72
07/09/2022	15	135	135	71
07/09/2022	16	135	135	70
07/09/2022	17	135	135	69
07/09/2022	18	135	135	74
07/09/2022	19	135	135	75
07/09/2022	20	135	135	74
07/09/2022	21	135	135	71
07/09/2022	22	135	135	68
07/09/2022	23	115	115	64
07/09/2022	24	110	110	61
07/10/2022	1	110	110	57
07/10/2022	2	110	110	55
07/10/2022	3	90	90	54
07/10/2022	4	90	90	53
07/10/2022	5	90	90	52
07/10/2022	6	90	90	53
07/10/2022	7	90	90	52
07/10/2022	8	100	100	53
07/10/2022	9	115	115	55
07/10/2022	10	135	135	57
07/10/2022	11	135	135	61
07/10/2022	12	135	135	61
07/10/2022	13	135	135	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/10/2022	14	135	135	62
07/10/2022	15	135	135	61
07/10/2022	16	135	135	60
07/10/2022	17	135	135	60
07/10/2022	18	135	135	67
07/10/2022	19	135	135	70
07/10/2022	20	135	135	67
07/10/2022	21	135	135	65
07/10/2022	22	135	135	62
07/10/2022	23	115	115	59
07/10/2022	24	110	110	56
07/11/2022	1	110	110	54
07/11/2022	2	110	110	52
07/11/2022	3	90	90	51
07/11/2022	4	90	90	50
07/11/2022	5	90	90	51
07/11/2022	6	100	100	54
07/11/2022	7	100	100	55
07/11/2022	8	100	100	59
07/11/2022	9	115	115	68
07/11/2022	10	135	135	72
07/11/2022	11	135	135	77
07/11/2022	12	135	135	76
07/11/2022	13	135	135	78
07/11/2022	14	135	135	80
07/11/2022	15	135	135	79
07/11/2022	16	135	135	76
07/11/2022	17	135	135	74
07/11/2022	18	135	135	74
07/11/2022	19	135	135	74
07/11/2022	20	135	135	71
07/11/2022	21	135	135	69
07/11/2022	22	135	135	65
07/11/2022	23	120	120	62
07/11/2022	24	110	110	59
07/12/2022	1	110	110	56
07/12/2022	2	110	110	54
07/12/2022	3	90	90	53
07/12/2022	4	90	90	52
07/12/2022	5	90	90	54
07/12/2022	6	90	90	55
07/12/2022	7	90	90	55
07/12/2022	8	100	100	60
07/12/2022	9	115	115	69
07/12/2022	10	135	135	74
07/12/2022	11	135	135	77
07/12/2022	12	135	135	76
07/12/2022	13	135	135	78
07/12/2022	14	135	135	80
07/12/2022	15	135	135	77
07/12/2022	16	135	135	75
07/12/2022	17	135	135	71
07/12/2022	18	135	135	72
07/12/2022	19	135	135	72
07/12/2022	20	135	135	70
07/12/2022	21	135	135	67
07/12/2022	22	135	135	63
07/12/2022	23	115	115	60
07/12/2022	24	110	110	57
07/13/2022	1	110	110	55
07/13/2022	2	110	110	54
07/13/2022	3	90	90	52
07/13/2022	4	90	90	52
07/13/2022	5	90	90	53
07/13/2022	6	90	90	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/13/2022	7	90	90	56
07/13/2022	8	104	100	60
07/13/2022	9	125	124	68
07/13/2022	10	135	135	72
07/13/2022	11	135	135	76
07/13/2022	12	135	135	75
07/13/2022	13	135	135	77
07/13/2022	14	135	135	80
07/13/2022	15	135	135	78
07/13/2022	16	135	135	76
07/13/2022	17	135	135	72
07/13/2022	18	135	135	74
07/13/2022	19	135	135	75
07/13/2022	20	135	135	72
07/13/2022	21	135	135	70
07/13/2022	22	135	135	67
07/13/2022	23	115	115	63
07/13/2022	24	110	110	59
07/14/2022	1	110	110	57
07/14/2022	2	110	110	55
07/14/2022	3	90	90	53
07/14/2022	4	90	90	52
07/14/2022	5	90	90	54
07/14/2022	6	90	90	57
07/14/2022	7	90	90	56
07/14/2022	8	100	100	61
07/14/2022	9	117	115	69
07/14/2022	10	135	135	74
07/14/2022	11	135	135	78
07/14/2022	12	135	135	77
07/14/2022	13	135	135	79
07/14/2022	14	135	135	80
07/14/2022	15	135	135	77
07/14/2022	16	135	135	76
07/14/2022	17	135	135	72
07/14/2022	18	135	135	74
07/14/2022	19	135	135	73
07/14/2022	20	135	135	72
07/14/2022	21	135	135	69
07/14/2022	22	135	135	65
07/14/2022	23	116	115	63
07/14/2022	24	115	110	59
07/15/2022	1	110	110	56
07/15/2022	2	110	110	54
07/15/2022	3	90	90	52
07/15/2022	4	90	90	53
07/15/2022	5	90	90	53
07/15/2022	6	100	100	56
07/15/2022	7	100	100	55
07/15/2022	8	100	100	60
07/15/2022	9	123	123	69
07/15/2022	10	135	135	73
07/15/2022	11	135	135	77
07/15/2022	12	135	135	77
07/15/2022	13	135	135	78
07/15/2022	14	135	135	80
07/15/2022	15	135	135	78
07/15/2022	16	135	135	76
07/15/2022	17	135	135	73
07/15/2022	18	135	135	73
07/15/2022	19	135	135	74
07/15/2022	20	135	135	72
07/15/2022	21	135	135	70
07/15/2022	22	135	135	66
07/15/2022	23	115	115	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/15/2022	24	110	110	58
07/16/2022	1	110	110	56
07/16/2022	2	110	110	54
07/16/2022	3	90	90	53
07/16/2022	4	90	90	52
07/16/2022	5	90	90	53
07/16/2022	6	90	90	56
07/16/2022	7	90	90	54
07/16/2022	8	100	100	57
07/16/2022	9	115	115	62
07/16/2022	10	135	135	66
07/16/2022	11	135	135	68
07/16/2022	12	135	135	67
07/16/2022	13	135	135	68
07/16/2022	14	135	135	70
07/16/2022	15	135	135	69
07/16/2022	16	135	135	68
07/16/2022	17	135	135	68
07/16/2022	18	135	135	72
07/16/2022	19	135	135	73
07/16/2022	20	135	135	72
07/16/2022	21	135	135	69
07/16/2022	22	135	135	65
07/16/2022	23	115	115	61
07/16/2022	24	110	110	57
07/17/2022	1	106	106	53
07/17/2022	2	106	106	51
07/17/2022	3	90	90	50
07/17/2022	4	90	90	50
07/17/2022	5	90	90	50
07/17/2022	6	90	90	51
07/17/2022	7	90	90	51
07/17/2022	8	90	90	51
07/17/2022	9	115	100	55
07/17/2022	10	116	115	57
07/17/2022	11	118	115	58
07/17/2022	12	119	115	58
07/17/2022	13	119	115	58
07/17/2022	14	123	123	59
07/17/2022	15	125	124	59
07/17/2022	16	125	125	58
07/17/2022	17	135	135	59
07/17/2022	18	135	135	65
07/17/2022	19	135	135	69
07/17/2022	20	135	135	67
07/17/2022	21	135	135	66
07/17/2022	22	135	135	63
07/17/2022	23	115	115	58
07/17/2022	24	110	110	56
07/18/2022	1	110	110	53
07/18/2022	2	110	110	51
07/18/2022	3	90	90	50
07/18/2022	4	90	90	50
07/18/2022	5	90	90	51
07/18/2022	6	90	90	54
07/18/2022	7	90	90	53
07/18/2022	8	100	100	58
07/18/2022	9	127	126	67
07/18/2022	10	135	135	72
07/18/2022	11	138	138	75
07/18/2022	12	138	138	74
07/18/2022	13	138	138	76
07/18/2022	14	138	138	80
07/18/2022	15	138	138	79
07/18/2022	16	138	138	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/18/2022	17	138	138	71
07/18/2022	18	138	138	73
07/18/2022	19	138	138	75
07/18/2022	20	135	135	71
07/18/2022	21	135	135	69
07/18/2022	22	135	135	64
07/18/2022	23	115	115	62
07/18/2022	24	110	110	58
07/19/2022	1	110	110	57
07/19/2022	2	110	110	55
07/19/2022	3	90	90	53
07/19/2022	4	90	90	53
07/19/2022	5	90	90	54
07/19/2022	6	90	90	56
07/19/2022	7	90	90	55
07/19/2022	8	103	102	60
07/19/2022	9	138	138	69
07/19/2022	10	138	138	73
07/19/2022	11	138	138	77
07/19/2022	12	138	138	76
07/19/2022	13	138	138	77
07/19/2022	14	138	138	80
07/19/2022	15	138	138	77
07/19/2022	16	138	138	76
07/19/2022	17	135	135	71
07/19/2022	18	138	138	74
07/19/2022	19	138	138	73
07/19/2022	20	138	138	72
07/19/2022	21	138	138	70
07/19/2022	22	135	135	66
07/19/2022	23	115	115	62
07/19/2022	24	110	110	59
07/20/2022	1	110	110	54
07/20/2022	2	110	110	52
07/20/2022	3	90	90	51
07/20/2022	4	90	90	51
07/20/2022	5	90	90	52
07/20/2022	6	90	90	54
07/20/2022	7	90	90	54
07/20/2022	8	104	104	60
07/20/2022	9	138	138	68
07/20/2022	10	138	138	72
07/20/2022	11	138	138	76
07/20/2022	12	138	138	75
07/20/2022	13	138	138	76
07/20/2022	14	138	138	78
07/20/2022	15	138	138	77
07/20/2022	16	138	138	74
07/20/2022	17	135	135	70
07/20/2022	18	138	138	73
07/20/2022	19	135	135	72
07/20/2022	20	135	135	69
07/20/2022	21	135	135	67
07/20/2022	22	135	135	63
07/20/2022	23	115	115	59
07/20/2022	24	110	110	56
07/21/2022	1	110	110	55
07/21/2022	2	110	110	53
07/21/2022	3	90	90	53
07/21/2022	4	90	90	51
07/21/2022	5	90	90	52
07/21/2022	6	90	90	55
07/21/2022	7	90	90	55
07/21/2022	8	100	100	59
07/21/2022	9	138	138	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/21/2022	10	138	138	73
07/21/2022	11	138	138	77
07/21/2022	12	138	138	75
07/21/2022	13	138	138	76
07/21/2022	14	138	138	80
07/21/2022	15	138	138	79
07/21/2022	16	138	138	77
07/21/2022	17	135	135	72
07/21/2022	18	138	138	72
07/21/2022	19	138	138	74
07/21/2022	20	138	138	72
07/21/2022	21	138	138	68
07/21/2022	22	135	135	64
07/21/2022	23	115	115	59
07/21/2022	24	110	110	56
07/22/2022	1	110	110	59
07/22/2022	2	110	110	58
07/22/2022	3	90	90	56
07/22/2022	4	90	90	54
07/22/2022	5	90	90	55
07/22/2022	6	90	90	57
07/22/2022	7	90	90	56
07/22/2022	8	100	100	61
07/22/2022	9	138	138	70
07/22/2022	10	138	138	75
07/22/2022	11	138	138	79
07/22/2022	12	138	138	78
07/22/2022	13	138	138	79
07/22/2022	14	138	138	82
07/22/2022	15	138	138	79
07/22/2022	16	138	138	77
07/22/2022	17	138	138	74
07/22/2022	18	138	138	73
07/22/2022	19	138	138	75
07/22/2022	20	138	138	74
07/22/2022	21	138	138	72
07/22/2022	22	135	135	68
07/22/2022	23	121	121	65
07/22/2022	24	110	110	62
07/23/2022	1	110	110	58
07/23/2022	2	110	110	56
07/23/2022	3	90	90	54
07/23/2022	4	90	90	53
07/23/2022	5	90	90	53
07/23/2022	6	90	90	56
07/23/2022	7	90	90	55
07/23/2022	8	100	100	58
07/23/2022	9	115	115	62
07/23/2022	10	135	135	66
07/23/2022	11	135	135	69
07/23/2022	12	135	135	68
07/23/2022	13	135	135	69
07/23/2022	14	135	135	70
07/23/2022	15	135	135	69
07/23/2022	16	135	135	69
07/23/2022	17	135	135	68
07/23/2022	18	138	138	71
07/23/2022	19	138	138	73
07/23/2022	20	138	138	71
07/23/2022	21	136	136	70
07/23/2022	22	135	135	65
07/23/2022	23	115	115	62
07/23/2022	24	110	110	59
07/24/2022	1	110	110	54
07/24/2022	2	110	110	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/24/2022	3	90	90	51
07/24/2022	4	90	90	50
07/24/2022	5	90	90	51
07/24/2022	6	90	90	51
07/24/2022	7	90	90	52
07/24/2022	8	100	100	52
07/24/2022	9	116	116	55
07/24/2022	10	120	120	58
07/24/2022	11	134	133	61
07/24/2022	12	135	135	61
07/24/2022	13	135	135	61
07/24/2022	14	135	135	63
07/24/2022	15	135	135	62
07/24/2022	16	135	135	62
07/24/2022	17	135	135	62
07/24/2022	18	135	135	65
07/24/2022	19	135	135	68
07/24/2022	20	135	135	65
07/24/2022	21	135	135	63
07/24/2022	22	134	134	61
07/24/2022	23	115	115	58
07/24/2022	24	110	110	55
07/25/2022	1	110	110	53
07/25/2022	2	110	110	51
07/25/2022	3	90	90	50
07/25/2022	4	90	90	49
07/25/2022	5	90	90	51
07/25/2022	6	90	90	54
07/25/2022	7	90	90	54
07/25/2022	8	111	110	59
07/25/2022	9	138	138	68
07/25/2022	10	138	138	74
07/25/2022	11	138	138	77
07/25/2022	12	138	138	77
07/25/2022	13	138	138	78
07/25/2022	14	138	138	82
07/25/2022	15	138	138	79
07/25/2022	16	138	138	79
07/25/2022	17	138	138	75
07/25/2022	18	138	138	75
07/25/2022	19	138	138	77
07/25/2022	20	138	138	74
07/25/2022	21	135	135	72
07/25/2022	22	135	135	68
07/25/2022	23	119	119	64
07/25/2022	24	110	110	61
07/26/2022	1	110	110	55
07/26/2022	2	110	110	53
07/26/2022	3	90	90	51
07/26/2022	4	90	90	51
07/26/2022	5	90	90	52
07/26/2022	6	90	90	54
07/26/2022	7	90	90	55
07/26/2022	8	111	110	59
07/26/2022	9	138	138	68
07/26/2022	10	138	138	73
07/26/2022	11	138	138	77
07/26/2022	12	138	138	77
07/26/2022	13	138	138	77
07/26/2022	14	138	138	82
07/26/2022	15	138	138	79
07/26/2022	16	138	138	77
07/26/2022	17	136	135	72
07/26/2022	18	138	138	75
07/26/2022	19	138	138	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/26/2022	20	138	138	72
07/26/2022	21	135	135	70
07/26/2022	22	135	135	66
07/26/2022	23	115	115	62
07/26/2022	24	110	110	58
07/27/2022	1	110	110	55
07/27/2022	2	110	110	54
07/27/2022	3	90	90	52
07/27/2022	4	90	90	51
07/27/2022	5	90	90	53
07/27/2022	6	90	90	55
07/27/2022	7	90	90	55
07/27/2022	8	100	100	59
07/27/2022	9	138	138	68
07/27/2022	10	138	138	74
07/27/2022	11	138	138	77
07/27/2022	12	138	138	78
07/27/2022	13	138	138	78
07/27/2022	14	138	138	82
07/27/2022	15	138	138	80
07/27/2022	16	138	138	78
07/27/2022	17	138	138	74
07/27/2022	18	138	138	74
07/27/2022	19	138	138	76
07/27/2022	20	138	138	75
07/27/2022	21	138	138	73
07/27/2022	22	135	135	68
07/27/2022	23	115	115	64
07/27/2022	24	110	110	61
07/28/2022	1	110	110	59
07/28/2022	2	110	110	57
07/28/2022	3	90	90	55
07/28/2022	4	90	90	54
07/28/2022	5	90	90	55
07/28/2022	6	102	101	57
07/28/2022	7	97	97	57
07/28/2022	8	123	123	62
07/28/2022	9	138	138	71
07/28/2022	10	138	138	76
07/28/2022	11	138	138	80
07/28/2022	12	138	138	80
07/28/2022	13	138	138	81
07/28/2022	14	138	138	85
07/28/2022	15	138	138	83
07/28/2022	16	138	138	81
07/28/2022	17	138	138	77
07/28/2022	18	138	138	75
07/28/2022	19	138	138	76
07/28/2022	20	138	138	74
07/28/2022	21	138	138	73
07/28/2022	22	135	135	68
07/28/2022	23	138	138	65
07/28/2022	24	114	114	61
07/29/2022	1	110	110	59
07/29/2022	2	110	110	57
07/29/2022	3	90	90	56
07/29/2022	4	90	90	54
07/29/2022	5	90	90	54
07/29/2022	6	99	99	58
07/29/2022	7	95	95	56
07/29/2022	8	100	100	61
07/29/2022	9	124	124	69
07/29/2022	10	135	135	73
07/29/2022	11	138	138	77
07/29/2022	12	138	138	78

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
07/29/2022	13	138	138	79
07/29/2022	14	138	138	84
07/29/2022	15	138	138	81
07/29/2022	16	138	138	80
07/29/2022	17	138	138	76
07/29/2022	18	138	138	74
07/29/2022	19	138	138	76
07/29/2022	20	138	138	74
07/29/2022	21	138	138	72
07/29/2022	22	135	135	68
07/29/2022	23	127	126	65
07/29/2022	24	110	110	61
07/30/2022	1	110	110	58
07/30/2022	2	110	110	57
07/30/2022	3	90	90	56
07/30/2022	4	90	90	54
07/30/2022	5	90	90	55
07/30/2022	6	91	91	57
07/30/2022	7	95	95	56
07/30/2022	8	100	100	58
07/30/2022	9	117	115	63
07/30/2022	10	135	135	67
07/30/2022	11	135	135	70
07/30/2022	12	135	135	70
07/30/2022	13	135	135	70
07/30/2022	14	135	135	72
07/30/2022	15	135	135	71
07/30/2022	16	135	135	70
07/30/2022	17	135	135	70
07/30/2022	18	138	138	72
07/30/2022	19	138	138	74
07/30/2022	20	136	136	72
07/30/2022	21	135	135	70
07/30/2022	22	135	135	66
07/30/2022	23	115	115	63
07/30/2022	24	110	110	60
07/31/2022	1	110	110	56
07/31/2022	2	110	110	55
07/31/2022	3	90	90	54
07/31/2022	4	90	90	52
07/31/2022	5	90	90	53
07/31/2022	6	90	90	53
07/31/2022	7	95	95	53
07/31/2022	8	100	100	51
07/31/2022	9	115	115	54
07/31/2022	10	135	135	57
07/31/2022	11	135	135	59
07/31/2022	12	135	135	60
07/31/2022	13	135	135	61
07/31/2022	14	135	135	61
07/31/2022	15	135	135	61
07/31/2022	16	135	135	60
07/31/2022	17	135	135	60
07/31/2022	18	135	135	66
07/31/2022	19	135	135	69
07/31/2022	20	135	135	67
07/31/2022	21	135	135	65
07/31/2022	22	135	135	62
07/31/2022	23	115	115	59
07/31/2022	24	110	110	57
08/01/2022	1	110	110	58
08/01/2022	2	110	110	57
08/01/2022	3	90	90	55
08/01/2022	4	90	90	54
08/01/2022	5	90	90	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/01/2022	6	90	90	56
08/01/2022	7	95	95	55
08/01/2022	8	100	100	61
08/01/2022	9	128	128	70
08/01/2022	10	135	135	74
08/01/2022	11	138	138	77
08/01/2022	12	138	138	78
08/01/2022	13	138	138	78
08/01/2022	14	138	138	82
08/01/2022	15	138	138	80
08/01/2022	16	138	138	80
08/01/2022	17	138	138	75
08/01/2022	18	138	138	74
08/01/2022	19	138	138	76
08/01/2022	20	138	138	75
08/01/2022	21	138	138	73
08/01/2022	22	135	135	68
08/01/2022	23	117	117	64
08/01/2022	24	110	110	62
08/02/2022	1	110	110	58
08/02/2022	2	110	110	56
08/02/2022	3	90	90	54
08/02/2022	4	90	90	54
08/02/2022	5	90	90	55
08/02/2022	6	98	98	57
08/02/2022	7	90	90	57
08/02/2022	8	103	102	62
08/02/2022	9	138	138	70
08/02/2022	10	138	138	75
08/02/2022	11	138	138	78
08/02/2022	12	138	138	78
08/02/2022	13	138	138	79
08/02/2022	14	138	138	82
08/02/2022	15	138	138	81
08/02/2022	16	138	138	80
08/02/2022	17	138	138	75
08/02/2022	18	138	138	75
08/02/2022	19	138	138	77
08/02/2022	20	138	138	75
08/02/2022	21	138	138	72
08/02/2022	22	138	138	69
08/02/2022	23	135	135	65
08/02/2022	24	135	135	62
08/03/2022	1	110	110	56
08/03/2022	2	110	110	55
08/03/2022	3	90	90	53
08/03/2022	4	90	90	52
08/03/2022	5	90	90	51
08/03/2022	6	90	90	54
08/03/2022	7	90	90	55
08/03/2022	8	110	110	59
08/03/2022	9	135	134	67
08/03/2022	10	138	138	73
08/03/2022	11	138	138	77
08/03/2022	12	138	138	77
08/03/2022	13	138	138	78
08/03/2022	14	138	138	82
08/03/2022	15	138	138	81
08/03/2022	16	138	138	78
08/03/2022	17	138	138	74
08/03/2022	18	138	138	73
08/03/2022	19	138	138	76
08/03/2022	20	138	138	74
08/03/2022	21	138	138	72
08/03/2022	22	135	135	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/03/2022	23	112	110	64
08/03/2022	24	110	110	61
08/04/2022	1	110	110	57
08/04/2022	2	110	110	56
08/04/2022	3	99	99	54
08/04/2022	4	95	95	54
08/04/2022	5	99	99	55
08/04/2022	6	101	101	56
08/04/2022	7	96	96	56
08/04/2022	8	136	136	61
08/04/2022	9	138	138	70
08/04/2022	10	138	138	75
08/04/2022	11	138	138	78
08/04/2022	12	138	138	78
08/04/2022	13	138	138	77
08/04/2022	14	138	138	82
08/04/2022	15	138	138	80
08/04/2022	16	138	138	79
08/04/2022	17	138	138	75
08/04/2022	18	138	138	74
08/04/2022	19	138	138	76
08/04/2022	20	138	138	73
08/04/2022	21	138	138	71
08/04/2022	22	135	135	67
08/04/2022	23	133	133	64
08/04/2022	24	111	110	60
08/05/2022	1	110	110	58
08/05/2022	2	110	110	56
08/05/2022	3	90	90	54
08/05/2022	4	90	90	54
08/05/2022	5	90	90	54
08/05/2022	6	101	101	57
08/05/2022	7	98	97	57
08/05/2022	8	122	122	61
08/05/2022	9	138	138	69
08/05/2022	10	138	138	75
08/05/2022	11	138	138	78
08/05/2022	12	138	138	77
08/05/2022	13	138	138	79
08/05/2022	14	138	138	81
08/05/2022	15	138	138	80
08/05/2022	16	138	138	78
08/05/2022	17	138	138	74
08/05/2022	18	138	138	74
08/05/2022	19	138	138	76
08/05/2022	20	138	138	74
08/05/2022	21	138	138	72
08/05/2022	22	135	135	68
08/05/2022	23	138	138	65
08/05/2022	24	122	121	62
08/06/2022	1	110	110	60
08/06/2022	2	110	110	58
08/06/2022	3	90	90	55
08/06/2022	4	90	90	54
08/06/2022	5	90	90	54
08/06/2022	6	90	90	56
08/06/2022	7	95	95	54
08/06/2022	8	100	100	56
08/06/2022	9	116	115	62
08/06/2022	10	135	135	66
08/06/2022	11	135	135	68
08/06/2022	12	135	135	69
08/06/2022	13	135	135	69
08/06/2022	14	135	135	71
08/06/2022	15	135	135	70

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/06/2022	16	135	135	69
08/06/2022	17	135	135	68
08/06/2022	18	135	135	71
08/06/2022	19	135	135	72
08/06/2022	20	135	135	71
08/06/2022	21	135	135	69
08/06/2022	22	135	135	66
08/06/2022	23	120	120	63
08/06/2022	24	110	110	59
08/07/2022	1	110	110	55
08/07/2022	2	110	110	54
08/07/2022	3	90	90	52
08/07/2022	4	90	90	51
08/07/2022	5	90	90	52
08/07/2022	6	90	90	53
08/07/2022	7	95	95	52
08/07/2022	8	100	100	51
08/07/2022	9	116	115	53
08/07/2022	10	135	135	56
08/07/2022	11	135	135	59
08/07/2022	12	135	135	60
08/07/2022	13	135	135	60
08/07/2022	14	135	135	60
08/07/2022	15	135	135	61
08/07/2022	16	135	135	60
08/07/2022	17	135	135	60
08/07/2022	18	135	135	66
08/07/2022	19	135	135	69
08/07/2022	20	135	135	67
08/07/2022	21	135	135	65
08/07/2022	22	135	135	62
08/07/2022	23	115	115	59
08/07/2022	24	110	110	56
08/08/2022	1	110	110	54
08/08/2022	2	110	110	52
08/08/2022	3	90	90	51
08/08/2022	4	90	90	51
08/08/2022	5	90	90	51
08/08/2022	6	90	90	54
08/08/2022	7	95	95	53
08/08/2022	8	100	100	58
08/08/2022	9	138	138	67
08/08/2022	10	138	138	72
08/08/2022	11	138	138	76
08/08/2022	12	138	138	76
08/08/2022	13	138	138	78
08/08/2022	14	138	138	81
08/08/2022	15	138	138	80
08/08/2022	16	138	138	77
08/08/2022	17	138	138	73
08/08/2022	18	138	138	73
08/08/2022	19	138	138	75
08/08/2022	20	138	138	74
08/08/2022	21	138	138	71
08/08/2022	22	135	135	65
08/08/2022	23	116	116	62
08/08/2022	24	110	110	59
08/09/2022	1	110	110	57
08/09/2022	2	110	110	55
08/09/2022	3	90	90	53
08/09/2022	4	90	90	53
08/09/2022	5	90	90	54
08/09/2022	6	90	90	57
08/09/2022	7	95	95	56
08/09/2022	8	100	100	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/09/2022	9	116	115	69
08/09/2022	10	135	135	74
08/09/2022	11	135	135	78
08/09/2022	12	135	135	77
08/09/2022	13	135	135	79
08/09/2022	14	135	135	82
08/09/2022	15	135	135	81
08/09/2022	16	135	135	76
08/09/2022	17	135	135	73
08/09/2022	18	135	135	74
08/09/2022	19	135	135	75
08/09/2022	20	135	135	73
08/09/2022	21	135	135	71
08/09/2022	22	135	135	67
08/09/2022	23	115	115	62
08/09/2022	24	110	110	59
08/10/2022	1	135	90	55
08/10/2022	2	135	90	53
08/10/2022	3	135	90	51
08/10/2022	4	135	90	52
08/10/2022	5	135	90	53
08/10/2022	6	135	90	56
08/10/2022	7	135	90	55
08/10/2022	8	135	100	60
08/10/2022	9	135	116	67
08/10/2022	10	135	135	73
08/10/2022	11	135	135	77
08/10/2022	12	135	135	76
08/10/2022	13	135	135	77
08/10/2022	14	135	135	80
08/10/2022	15	135	135	79
08/10/2022	16	135	135	77
08/10/2022	17	135	135	73
08/10/2022	18	135	135	74
08/10/2022	19	135	135	72
08/10/2022	20	135	135	70
08/10/2022	21	135	135	67
08/10/2022	22	135	115	64
08/10/2022	23	135	100	61
08/10/2022	24	135	91	57
08/11/2022	1	135	90	55
08/11/2022	2	135	90	54
08/11/2022	3	135	90	52
08/11/2022	4	135	90	53
08/11/2022	5	135	90	55
08/11/2022	6	135	90	57
08/11/2022	7	135	90	57
08/11/2022	8	135	93	60
08/11/2022	9	135	133	67
08/11/2022	10	138	138	71
08/11/2022	11	138	138	76
08/11/2022	12	138	138	75
08/11/2022	13	138	138	75
08/11/2022	14	138	138	80
08/11/2022	15	138	138	78
08/11/2022	16	138	138	75
08/11/2022	17	138	138	73
08/11/2022	18	138	138	73
08/11/2022	19	138	138	73
08/11/2022	20	138	138	71
08/11/2022	21	138	138	69
08/11/2022	22	135	107	64
08/11/2022	23	135	107	61
08/11/2022	24	135	102	57
08/12/2022	1	135	99	58

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/12/2022	2	135	90	55
08/12/2022	3	135	90	54
08/12/2022	4	135	90	53
08/12/2022	5	135	90	54
08/12/2022	6	135	90	57
08/12/2022	7	135	90	57
08/12/2022	8	135	114	61
08/12/2022	9	138	138	69
08/12/2022	10	138	138	73
08/12/2022	11	138	138	76
08/12/2022	12	138	138	75
08/12/2022	13	138	138	76
08/12/2022	14	138	138	80
08/12/2022	15	138	138	79
08/12/2022	16	138	138	78
08/12/2022	17	138	138	74
08/12/2022	18	138	138	75
08/12/2022	19	138	138	77
08/12/2022	20	138	138	74
08/12/2022	21	138	138	72
08/12/2022	22	135	122	67
08/12/2022	23	135	120	63
08/12/2022	24	135	107	60
08/13/2022	1	135	90	57
08/13/2022	2	135	90	55
08/13/2022	3	135	90	54
08/13/2022	4	135	90	52
08/13/2022	5	135	90	53
08/13/2022	6	135	90	56
08/13/2022	7	135	90	55
08/13/2022	8	135	90	57
08/13/2022	9	135	115	63
08/13/2022	10	135	116	67
08/13/2022	11	135	123	70
08/13/2022	12	135	123	70
08/13/2022	13	135	135	72
08/13/2022	14	135	135	74
08/13/2022	15	135	135	73
08/13/2022	16	135	135	70
08/13/2022	17	135	128	68
08/13/2022	18	135	135	71
08/13/2022	19	135	135	73
08/13/2022	20	135	135	71
08/13/2022	21	135	135	69
08/13/2022	22	135	112	66
08/13/2022	23	135	100	62
08/13/2022	24	135	100	59
08/14/2022	1	135	90	56
08/14/2022	2	135	90	55
08/14/2022	3	135	90	54
08/14/2022	4	117	90	52
08/14/2022	5	135	90	53
08/14/2022	6	135	90	54
08/14/2022	7	110	90	52
08/14/2022	8	110	90	48
08/14/2022	9	112	90	51
08/14/2022	10	135	110	54
08/14/2022	11	135	110	56
08/14/2022	12	135	110	55
08/14/2022	13	135	110	56
08/14/2022	14	135	110	58
08/14/2022	15	135	110	61
08/14/2022	16	135	110	60
08/14/2022	17	135	110	61
08/14/2022	18	135	111	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/14/2022	19	135	111	68
08/14/2022	20	135	111	65
08/14/2022	21	135	111	64
08/14/2022	22	135	90	61
08/14/2022	23	135	90	58
08/14/2022	24	135	90	55
08/15/2022	1	135	90	56
08/15/2022	2	135	90	55
08/15/2022	3	135	90	53
08/15/2022	4	135	90	52
08/15/2022	5	135	90	54
08/15/2022	6	135	90	56
08/15/2022	7	135	90	56
08/15/2022	8	135	92	61
08/15/2022	9	138	138	70
08/15/2022	10	138	138	74
08/15/2022	11	138	138	76
08/15/2022	12	138	138	76
08/15/2022	13	138	138	77
08/15/2022	14	138	138	81
08/15/2022	15	138	138	80
08/15/2022	16	138	138	77
08/15/2022	17	138	138	74
08/15/2022	18	138	138	74
08/15/2022	19	138	138	76
08/15/2022	20	138	138	74
08/15/2022	21	138	138	72
08/15/2022	22	135	110	68
08/15/2022	23	135	108	65
08/15/2022	24	135	100	61
08/16/2022	1	132	102	55
08/16/2022	2	132	100	53
08/16/2022	3	132	90	52
08/16/2022	4	132	90	51
08/16/2022	5	132	99	53
08/16/2022	6	132	103	55
08/16/2022	7	132	104	55
08/16/2022	8	132	111	59
08/16/2022	9	135	120	68
08/16/2022	10	135	135	74
08/16/2022	11	135	135	76
08/16/2022	12	135	135	75
08/16/2022	13	135	135	78
08/16/2022	14	138	138	80
08/16/2022	15	138	138	78
08/16/2022	16	135	135	76
08/16/2022	17	135	135	75
08/16/2022	18	135	135	76
08/16/2022	19	135	135	77
08/16/2022	20	135	135	74
08/16/2022	21	135	135	73
08/16/2022	22	135	135	69
08/16/2022	23	135	135	66
08/16/2022	24	135	120	62
08/17/2022	1	135	99	57
08/17/2022	2	135	97	56
08/17/2022	3	135	96	54
08/17/2022	4	135	95	52
08/17/2022	5	135	96	54
08/17/2022	6	135	100	57
08/17/2022	7	135	90	55
08/17/2022	8	135	114	60
08/17/2022	9	135	124	69
08/17/2022	10	138	138	73
08/17/2022	11	138	138	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/17/2022	12	138	138	77
08/17/2022	13	138	138	80
08/17/2022	14	138	138	81
08/17/2022	15	138	138	80
08/17/2022	16	138	138	79
08/17/2022	17	138	138	76
08/17/2022	18	138	138	74
08/17/2022	19	138	138	78
08/17/2022	20	138	138	75
08/17/2022	21	138	138	73
08/17/2022	22	138	138	70
08/17/2022	23	138	138	66
08/17/2022	24	135	124	62
08/18/2022	1	135	101	57
08/18/2022	2	135	97	55
08/18/2022	3	135	96	53
08/18/2022	4	135	95	52
08/18/2022	5	135	97	54
08/18/2022	6	135	100	57
08/18/2022	7	135	101	55
08/18/2022	8	135	121	61
08/18/2022	9	138	138	69
08/18/2022	10	138	138	74
08/18/2022	11	138	138	78
08/18/2022	12	138	138	77
08/18/2022	13	138	138	79
08/18/2022	14	138	138	82
08/18/2022	15	138	138	80
08/18/2022	16	138	138	77
08/18/2022	17	138	138	72
08/18/2022	18	138	138	74
08/18/2022	19	138	138	76
08/18/2022	20	138	138	74
08/18/2022	21	138	138	71
08/18/2022	22	135	129	65
08/18/2022	23	135	129	62
08/18/2022	24	135	106	59
08/19/2022	1	135	99	57
08/19/2022	2	135	97	54
08/19/2022	3	135	96	53
08/19/2022	4	135	95	52
08/19/2022	5	135	96	53
08/19/2022	6	135	100	55
08/19/2022	7	135	101	54
08/19/2022	8	135	109	59
08/19/2022	9	135	121	66
08/19/2022	10	138	138	71
08/19/2022	11	138	138	75
08/19/2022	12	138	138	74
08/19/2022	13	138	138	75
08/19/2022	14	138	138	79
08/19/2022	15	138	138	76
08/19/2022	16	138	138	74
08/19/2022	17	138	138	72
08/19/2022	18	138	138	74
08/19/2022	19	138	138	74
08/19/2022	20	138	138	72
08/19/2022	21	138	138	69
08/19/2022	22	135	121	65
08/19/2022	23	135	117	61
08/19/2022	24	135	111	59
08/20/2022	1	135	104	58
08/20/2022	2	135	101	56
08/20/2022	3	135	96	55
08/20/2022	4	135	96	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/20/2022	5	135	97	54
08/20/2022	6	135	101	56
08/20/2022	7	135	101	55
08/20/2022	8	135	106	57
08/20/2022	9	135	118	63
08/20/2022	10	135	122	68
08/20/2022	11	138	138	70
08/20/2022	12	138	138	70
08/20/2022	13	138	138	72
08/20/2022	14	138	138	75
08/20/2022	15	138	138	73
08/20/2022	16	138	138	70
08/20/2022	17	138	138	68
08/20/2022	18	138	138	71
08/20/2022	19	138	138	73
08/20/2022	20	138	138	71
08/20/2022	21	138	138	69
08/20/2022	22	135	132	66
08/20/2022	23	135	110	62
08/20/2022	24	135	106	59
08/21/2022	1	109	90	54
08/21/2022	2	109	90	52
08/21/2022	3	100	90	51
08/21/2022	4	90	90	50
08/21/2022	5	90	90	51
08/21/2022	6	90	90	51
08/21/2022	7	90	90	50
08/21/2022	8	90	90	51
08/21/2022	9	110	100	54
08/21/2022	10	120	100	56
08/21/2022	11	120	118	59
08/21/2022	12	120	119	60
08/21/2022	13	120	120	60
08/21/2022	14	120	120	61
08/21/2022	15	120	120	60
08/21/2022	16	120	119	59
08/21/2022	17	120	117	60
08/21/2022	18	135	119	64
08/21/2022	19	135	119	67
08/21/2022	20	135	116	65
08/21/2022	21	126	113	62
08/21/2022	22	111	100	59
08/21/2022	23	110	100	55
08/21/2022	24	100	90	52
08/22/2022	1	100	90	53
08/22/2022	2	100	90	51
08/22/2022	3	100	90	50
08/22/2022	4	100	90	50
08/22/2022	5	100	90	50
08/22/2022	6	106	90	53
08/22/2022	7	106	90	53
08/22/2022	8	135	90	57
08/22/2022	9	135	117	66
08/22/2022	10	135	127	71
08/22/2022	11	138	138	75
08/22/2022	12	138	138	75
08/22/2022	13	138	138	77
08/22/2022	14	138	138	79
08/22/2022	15	138	138	78
08/22/2022	16	138	138	76
08/22/2022	17	138	138	73
08/22/2022	18	138	138	74
08/22/2022	19	138	138	74
08/22/2022	20	135	123	71
08/22/2022	21	135	114	69

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/22/2022	22	135	112	65
08/22/2022	23	135	112	61
08/22/2022	24	135	110	58
08/23/2022	1	135	90	57
08/23/2022	2	135	90	55
08/23/2022	3	135	90	53
08/23/2022	4	135	90	53
08/23/2022	5	135	90	54
08/23/2022	6	135	90	57
08/23/2022	7	135	90	55
08/23/2022	8	135	90	60
08/23/2022	9	135	114	69
08/23/2022	10	135	135	74
08/23/2022	11	135	135	78
08/23/2022	12	135	135	77
08/23/2022	13	135	135	77
08/23/2022	14	138	137	81
08/23/2022	15	135	135	80
08/23/2022	16	135	135	77
08/23/2022	17	135	135	73
08/23/2022	18	135	135	74
08/23/2022	19	135	135	75
08/23/2022	20	135	135	73
08/23/2022	21	135	135	71
08/23/2022	22	135	112	66
08/23/2022	23	135	100	62
08/23/2022	24	135	100	59
08/24/2022	1	135	90	56
08/24/2022	2	135	90	54
08/24/2022	3	135	90	52
08/24/2022	4	135	90	52
08/24/2022	5	135	90	54
08/24/2022	6	135	90	57
08/24/2022	7	135	90	55
08/24/2022	8	135	112	61
08/24/2022	9	135	135	69
08/24/2022	10	135	135	74
08/24/2022	11	138	138	79
08/24/2022	12	135	122	78
08/24/2022	13	138	138	80
08/24/2022	14	138	138	84
08/24/2022	15	136	135	81
08/24/2022	16	135	123	79
08/24/2022	17	135	122	76
08/24/2022	18	135	122	75
08/24/2022	19	135	122	76
08/24/2022	20	135	117	73
08/24/2022	21	135	114	72
08/24/2022	22	135	113	67
08/24/2022	23	135	100	63
08/24/2022	24	135	100	61
08/25/2022	1	135	90	58
08/25/2022	2	135	90	56
08/25/2022	3	135	90	54
08/25/2022	4	135	90	53
08/25/2022	5	135	90	55
08/25/2022	6	135	90	57
08/25/2022	7	135	90	55
08/25/2022	8	135	90	61
08/25/2022	9	135	135	69
08/25/2022	10	135	135	75
08/25/2022	11	135	135	78
08/25/2022	12	135	135	77
08/25/2022	13	135	135	78
08/25/2022	14	138	138	83

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/25/2022	15	138	138	79
08/25/2022	16	138	137	77
08/25/2022	17	135	135	74
08/25/2022	18	135	135	74
08/25/2022	19	135	135	76
08/25/2022	20	135	135	74
08/25/2022	21	135	135	72
08/25/2022	22	135	135	67
08/25/2022	23	135	135	64
08/25/2022	24	135	135	60
08/26/2022	1	110	110	58
08/26/2022	2	110	110	55
08/26/2022	3	90	90	54
08/26/2022	4	90	90	53
08/26/2022	5	90	90	54
08/26/2022	6	90	90	58
08/26/2022	7	95	95	57
08/26/2022	8	100	100	62
08/26/2022	9	115	115	67
08/26/2022	10	135	135	73
08/26/2022	11	135	135	76
08/26/2022	12	135	135	76
08/26/2022	13	135	135	77
08/26/2022	14	138	138	81
08/26/2022	15	136	135	80
08/26/2022	16	135	135	79
08/26/2022	17	135	135	76
08/26/2022	18	135	135	76
08/26/2022	19	135	135	77
08/26/2022	20	135	135	75
08/26/2022	21	135	135	73
08/26/2022	22	135	135	69
08/26/2022	23	115	115	64
08/26/2022	24	110	110	61
08/27/2022	1	90	90	58
08/27/2022	2	90	90	56
08/27/2022	3	90	90	54
08/27/2022	4	90	90	54
08/27/2022	5	90	90	54
08/27/2022	6	90	90	56
08/27/2022	7	90	90	55
08/27/2022	8	90	90	57
08/27/2022	9	90	90	62
08/27/2022	10	113	112	66
08/27/2022	11	135	135	69
08/27/2022	12	135	135	69
08/27/2022	13	135	135	70
08/27/2022	14	135	135	73
08/27/2022	15	135	135	72
08/27/2022	16	135	135	70
08/27/2022	17	135	135	68
08/27/2022	18	135	135	71
08/27/2022	19	135	135	73
08/27/2022	20	135	135	70
08/27/2022	21	135	135	68
08/27/2022	22	133	133	65
08/27/2022	23	115	115	62
08/27/2022	24	110	110	58
08/28/2022	1	110	110	57
08/28/2022	2	110	110	55
08/28/2022	3	90	90	54
08/28/2022	4	90	90	53
08/28/2022	5	90	90	52
08/28/2022	6	90	90	53
08/28/2022	7	95	95	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/28/2022	8	100	100	54
08/28/2022	9	115	115	56
08/28/2022	10	135	135	59
08/28/2022	11	135	135	61
08/28/2022	12	135	135	62
08/28/2022	13	135	135	63
08/28/2022	14	135	135	63
08/28/2022	15	135	135	63
08/28/2022	16	135	135	63
08/28/2022	17	135	135	63
08/28/2022	18	135	135	68
08/28/2022	19	135	135	69
08/28/2022	20	135	135	66
08/28/2022	21	135	135	65
08/28/2022	22	135	135	61
08/28/2022	23	115	115	57
08/28/2022	24	110	110	54
08/29/2022	1	90	90	48
08/29/2022	2	90	90	47
08/29/2022	3	90	90	45
08/29/2022	4	90	90	45
08/29/2022	5	90	90	47
08/29/2022	6	90	90	49
08/29/2022	7	90	90	52
08/29/2022	8	90	90	55
08/29/2022	9	115	115	62
08/29/2022	10	115	115	65
08/29/2022	11	115	115	67
08/29/2022	12	115	115	65
08/29/2022	13	115	115	66
08/29/2022	14	115	115	67
08/29/2022	15	115	115	68
08/29/2022	16	115	115	66
08/29/2022	17	115	115	62
08/29/2022	18	115	115	67
08/29/2022	19	123	123	69
08/29/2022	20	115	115	66
08/29/2022	21	115	115	63
08/29/2022	22	115	115	59
08/29/2022	23	100	100	56
08/29/2022	24	100	100	53
08/30/2022	1	110	110	57
08/30/2022	2	110	110	55
08/30/2022	3	90	90	53
08/30/2022	4	90	90	53
08/30/2022	5	90	90	55
08/30/2022	6	90	90	57
08/30/2022	7	95	95	54
08/30/2022	8	100	100	61
08/30/2022	9	118	118	69
08/30/2022	10	135	135	74
08/30/2022	11	135	135	78
08/30/2022	12	135	135	77
08/30/2022	13	135	135	78
08/30/2022	14	138	138	82
08/30/2022	15	138	138	80
08/30/2022	16	135	135	78
08/30/2022	17	135	135	73
08/30/2022	18	135	135	75
08/30/2022	19	135	135	76
08/30/2022	20	135	135	74
08/30/2022	21	135	135	71
08/30/2022	22	135	135	67
08/30/2022	23	115	115	63
08/30/2022	24	110	110	59

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
08/31/2022	1	110	110	57
08/31/2022	2	110	110	55
08/31/2022	3	90	90	53
08/31/2022	4	90	90	53
08/31/2022	5	90	90	55
08/31/2022	6	90	90	60
08/31/2022	7	100	100	55
08/31/2022	8	115	115	61
08/31/2022	9	135	135	69
08/31/2022	10	135	135	75
08/31/2022	11	135	135	79
08/31/2022	12	135	135	78
08/31/2022	13	135	135	79
08/31/2022	14	138	138	82
08/31/2022	15	138	138	80
08/31/2022	16	138	138	79
08/31/2022	17	135	135	75
08/31/2022	18	135	135	76
08/31/2022	19	135	135	77
08/31/2022	20	135	135	74
08/31/2022	21	135	135	72
08/31/2022	22	135	135	67
08/31/2022	23	125	125	64
08/31/2022	24	125	125	60
09/01/2022	1	117	117	60
09/01/2022	2	117	117	57
09/01/2022	3	112	112	56
09/01/2022	4	97	97	55
09/01/2022	5	96	96	58
09/01/2022	6	97	97	60
09/01/2022	7	97	97	55
09/01/2022	8	97	97	61
09/01/2022	9	135	135	69
09/01/2022	10	135	135	73
09/01/2022	11	135	135	76
09/01/2022	12	135	135	76
09/01/2022	13	135	135	78
09/01/2022	14	138	138	82
09/01/2022	15	138	138	80
09/01/2022	16	136	136	79
09/01/2022	17	135	135	77
09/01/2022	18	138	138	79
09/01/2022	19	138	138	79
09/01/2022	20	138	138	76
09/01/2022	21	136	136	74
09/01/2022	22	135	135	69
09/01/2022	23	121	121	66
09/01/2022	24	119	119	62
09/02/2022	1	110	110	59
09/02/2022	2	110	110	58
09/02/2022	3	90	90	55
09/02/2022	4	90	90	55
09/02/2022	5	90	90	58
09/02/2022	6	90	90	60
09/02/2022	7	95	95	55
09/02/2022	8	100	100	62
09/02/2022	9	115	115	71
09/02/2022	10	135	135	76
09/02/2022	11	135	135	80
09/02/2022	12	135	135	78
09/02/2022	13	135	135	79
09/02/2022	14	135	135	83
09/02/2022	15	135	135	81
09/02/2022	16	135	135	80
09/02/2022	17	135	135	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/02/2022	18	135	135	78
09/02/2022	19	135	135	78
09/02/2022	20	135	135	77
09/02/2022	21	135	135	74
09/02/2022	22	135	135	69
09/02/2022	23	115	115	66
09/02/2022	24	110	110	63
09/03/2022	1	110	110	57
09/03/2022	2	110	110	57
09/03/2022	3	90	90	55
09/03/2022	4	90	90	54
09/03/2022	5	90	90	54
09/03/2022	6	90	90	56
09/03/2022	7	95	95	55
09/03/2022	8	100	100	58
09/03/2022	9	115	115	63
09/03/2022	10	135	135	67
09/03/2022	11	135	135	70
09/03/2022	12	135	135	69
09/03/2022	13	135	135	71
09/03/2022	14	135	135	74
09/03/2022	15	135	135	72
09/03/2022	16	135	135	70
09/03/2022	17	135	135	69
09/03/2022	18	135	135	72
09/03/2022	19	135	135	73
09/03/2022	20	135	135	71
09/03/2022	21	135	135	70
09/03/2022	22	135	135	67
09/03/2022	23	115	115	64
09/03/2022	24	110	110	60
09/04/2022	1	110	110	56
09/04/2022	2	110	110	54
09/04/2022	3	90	90	53
09/04/2022	4	90	90	52
09/04/2022	5	90	90	52
09/04/2022	6	90	90	52
09/04/2022	7	95	95	52
09/04/2022	8	100	100	53
09/04/2022	9	115	115	57
09/04/2022	10	135	135	59
09/04/2022	11	135	135	62
09/04/2022	12	135	135	63
09/04/2022	13	135	135	63
09/04/2022	14	135	135	65
09/04/2022	15	135	135	64
09/04/2022	16	135	135	63
09/04/2022	17	135	135	61
09/04/2022	18	135	135	66
09/04/2022	19	135	135	70
09/04/2022	20	135	135	68
09/04/2022	21	135	135	65
09/04/2022	22	135	135	62
09/04/2022	23	115	115	59
09/04/2022	24	110	110	57
09/05/2022	1	90	90	54
09/05/2022	2	90	90	53
09/05/2022	3	90	90	51
09/05/2022	4	90	90	51
09/05/2022	5	90	90	51
09/05/2022	6	90	90	54
09/05/2022	7	90	90	53
09/05/2022	8	90	90	57
09/05/2022	9	115	115	66
09/05/2022	10	135	135	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/05/2022	11	135	135	75
09/05/2022	12	135	135	75
09/05/2022	13	135	135	76
09/05/2022	14	135	135	79
09/05/2022	15	135	135	78
09/05/2022	16	135	135	75
09/05/2022	17	135	135	72
09/05/2022	18	135	135	73
09/05/2022	19	135	135	74
09/05/2022	20	135	135	71
09/05/2022	21	135	135	69
09/05/2022	22	135	135	65
09/05/2022	23	115	115	61
09/05/2022	24	110	110	56
09/06/2022	1	110	110	55
09/06/2022	2	110	110	53
09/06/2022	3	90	90	52
09/06/2022	4	90	90	51
09/06/2022	5	90	90	53
09/06/2022	6	90	90	56
09/06/2022	7	95	95	53
09/06/2022	8	110	110	59
09/06/2022	9	138	138	68
09/06/2022	10	138	138	74
09/06/2022	11	138	138	77
09/06/2022	12	138	138	76
09/06/2022	13	138	138	77
09/06/2022	14	138	138	80
09/06/2022	15	138	138	79
09/06/2022	16	138	138	77
09/06/2022	17	138	138	72
09/06/2022	18	138	138	74
09/06/2022	19	138	138	74
09/06/2022	20	138	138	72
09/06/2022	21	138	138	70
09/06/2022	22	135	135	65
09/06/2022	23	115	115	61
09/06/2022	24	110	110	58
09/07/2022	1	110	110	56
09/07/2022	2	110	110	53
09/07/2022	3	90	90	53
09/07/2022	4	90	90	52
09/07/2022	5	90	90	54
09/07/2022	6	90	90	59
09/07/2022	7	95	95	56
09/07/2022	8	102	102	61
09/07/2022	9	135	135	68
09/07/2022	10	136	135	74
09/07/2022	11	138	138	77
09/07/2022	12	138	138	77
09/07/2022	13	138	138	77
09/07/2022	14	138	138	80
09/07/2022	15	138	138	78
09/07/2022	16	138	138	77
09/07/2022	17	138	138	75
09/07/2022	18	138	138	77
09/07/2022	19	138	138	75
09/07/2022	20	138	138	73
09/07/2022	21	135	135	70
09/07/2022	22	135	135	66
09/07/2022	23	115	115	62
09/07/2022	24	110	110	60
09/08/2022	1	110	110	56
09/08/2022	2	110	110	55
09/08/2022	3	90	90	53

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/08/2022	4	90	90	53
09/08/2022	5	90	90	56
09/08/2022	6	90	90	59
09/08/2022	7	95	95	54
09/08/2022	8	100	100	61
09/08/2022	9	129	129	69
09/08/2022	10	138	138	73
09/08/2022	11	138	138	76
09/08/2022	12	138	138	75
09/08/2022	13	138	138	74
09/08/2022	14	138	138	80
09/08/2022	15	138	138	78
09/08/2022	16	138	138	76
09/08/2022	17	135	135	74
09/08/2022	18	138	138	76
09/08/2022	19	138	138	74
09/08/2022	20	135	135	72
09/08/2022	21	135	135	69
09/08/2022	22	135	135	65
09/08/2022	23	115	115	62
09/08/2022	24	110	110	58
09/09/2022	1	110	110	56
09/09/2022	2	125	125	55
09/09/2022	3	90	90	54
09/09/2022	4	90	90	53
09/09/2022	5	90	90	56
09/09/2022	6	90	90	58
09/09/2022	7	95	95	54
09/09/2022	8	100	100	60
09/09/2022	9	115	115	67
09/09/2022	10	135	135	72
09/09/2022	11	135	135	76
09/09/2022	12	135	135	74
09/09/2022	13	135	135	75
09/09/2022	14	138	138	80
09/09/2022	15	138	138	77
09/09/2022	16	135	135	73
09/09/2022	17	135	135	71
09/09/2022	18	135	135	75
09/09/2022	19	138	138	76
09/09/2022	20	135	135	74
09/09/2022	21	135	135	72
09/09/2022	22	135	135	69
09/09/2022	23	115	115	65
09/09/2022	24	110	110	62
09/10/2022	1	110	110	60
09/10/2022	2	110	110	58
09/10/2022	3	90	90	57
09/10/2022	4	90	90	56
09/10/2022	5	90	90	56
09/10/2022	6	90	90	57
09/10/2022	7	95	95	57
09/10/2022	8	95	95	60
09/10/2022	9	115	115	65
09/10/2022	10	135	135	69
09/10/2022	11	135	135	72
09/10/2022	12	135	135	72
09/10/2022	13	135	135	73
09/10/2022	14	135	135	76
09/10/2022	15	135	135	76
09/10/2022	16	135	135	73
09/10/2022	17	135	135	71
09/10/2022	18	135	135	75
09/10/2022	19	135	135	76
09/10/2022	20	135	135	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/10/2022	21	135	135	72
09/10/2022	22	135	135	68
09/10/2022	23	115	115	65
09/10/2022	24	110	110	61
09/11/2022	1	110	110	59
09/11/2022	2	125	125	57
09/11/2022	3	90	90	55
09/11/2022	4	90	90	54
09/11/2022	5	90	90	53
09/11/2022	6	90	90	54
09/11/2022	7	95	95	54
09/11/2022	8	100	100	52
09/11/2022	9	115	115	54
09/11/2022	10	135	135	58
09/11/2022	11	135	135	61
09/11/2022	12	135	135	63
09/11/2022	13	135	135	63
09/11/2022	14	135	135	65
09/11/2022	15	135	135	65
09/11/2022	16	135	135	66
09/11/2022	17	135	135	66
09/11/2022	18	135	135	71
09/11/2022	19	135	135	72
09/11/2022	20	135	135	71
09/11/2022	21	135	135	68
09/11/2022	22	135	135	65
09/11/2022	23	115	115	62
09/11/2022	24	110	110	59
09/12/2022	1	90	90	55
09/12/2022	2	90	90	53
09/12/2022	3	90	90	53
09/12/2022	4	90	90	51
09/12/2022	5	90	90	56
09/12/2022	6	90	90	57
09/12/2022	7	90	90	53
09/12/2022	8	100	100	60
09/12/2022	9	115	115	68
09/12/2022	10	135	135	73
09/12/2022	11	135	135	76
09/12/2022	12	135	135	76
09/12/2022	13	135	135	77
09/12/2022	14	135	135	80
09/12/2022	15	135	135	78
09/12/2022	16	135	135	75
09/12/2022	17	135	135	73
09/12/2022	18	135	135	75
09/12/2022	19	135	135	73
09/12/2022	20	135	135	72
09/12/2022	21	135	135	69
09/12/2022	22	135	135	65
09/12/2022	23	110	110	61
09/12/2022	24	110	110	58
09/13/2022	1	110	110	56
09/13/2022	2	125	125	55
09/13/2022	3	90	90	53
09/13/2022	4	90	90	53
09/13/2022	5	90	90	56
09/13/2022	6	90	90	59
09/13/2022	7	95	95	54
09/13/2022	8	100	100	61
09/13/2022	9	115	115	70
09/13/2022	10	135	135	75
09/13/2022	11	135	135	78
09/13/2022	12	135	135	76
09/13/2022	13	135	135	79

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/13/2022	14	138	138	82
09/13/2022	15	138	138	81
09/13/2022	16	135	135	78
09/13/2022	17	135	135	74
09/13/2022	18	135	135	77
09/13/2022	19	135	135	76
09/13/2022	20	135	135	74
09/13/2022	21	135	135	71
09/13/2022	22	135	135	68
09/13/2022	23	115	115	64
09/13/2022	24	110	110	61
09/14/2022	1	110	110	59
09/14/2022	2	110	110	57
09/14/2022	3	90	90	55
09/14/2022	4	90	90	54
09/14/2022	5	90	90	59
09/14/2022	6	90	90	58
09/14/2022	7	95	95	56
09/14/2022	8	123	123	64
09/14/2022	9	118	117	72
09/14/2022	10	135	135	76
09/14/2022	11	138	138	80
09/14/2022	12	135	135	79
09/14/2022	13	135	135	80
09/14/2022	14	138	138	84
09/14/2022	15	138	138	81
09/14/2022	16	138	138	80
09/14/2022	17	135	135	76
09/14/2022	18	138	138	78
09/14/2022	19	135	135	77
09/14/2022	20	135	135	75
09/14/2022	21	135	135	74
09/14/2022	22	135	135	69
09/14/2022	23	115	115	64
09/14/2022	24	110	110	61
09/15/2022	1	110	110	57
09/15/2022	2	110	110	56
09/15/2022	3	90	90	54
09/15/2022	4	90	90	54
09/15/2022	5	90	90	57
09/15/2022	6	90	90	59
09/15/2022	7	95	95	55
09/15/2022	8	100	100	62
09/15/2022	9	138	138	70
09/15/2022	10	138	138	76
09/15/2022	11	138	138	79
09/15/2022	12	138	138	78
09/15/2022	13	138	138	80
09/15/2022	14	138	138	82
09/15/2022	15	138	138	80
09/15/2022	16	138	138	78
09/15/2022	17	138	138	76
09/15/2022	18	138	138	78
09/15/2022	19	138	138	77
09/15/2022	20	138	138	75
09/15/2022	21	135	135	72
09/15/2022	22	135	135	67
09/15/2022	23	115	115	63
09/15/2022	24	110	110	60
09/16/2022	1	90	90	58
09/16/2022	2	90	90	56
09/16/2022	3	90	90	55
09/16/2022	4	90	90	54
09/16/2022	5	90	90	58
09/16/2022	6	90	90	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/16/2022	7	95	95	57
09/16/2022	8	95	95	61
09/16/2022	9	115	115	71
09/16/2022	10	135	135	77
09/16/2022	11	135	135	80
09/16/2022	12	135	135	79
09/16/2022	13	135	135	80
09/16/2022	14	135	135	83
09/16/2022	15	135	135	81
09/16/2022	16	135	135	78
09/16/2022	17	135	135	74
09/16/2022	18	135	135	77
09/16/2022	19	135	135	75
09/16/2022	20	135	135	75
09/16/2022	21	135	135	72
09/16/2022	22	135	135	67
09/16/2022	23	115	115	64
09/16/2022	24	110	110	62
09/17/2022	1	110	110	58
09/17/2022	2	110	110	56
09/17/2022	3	90	90	54
09/17/2022	4	90	90	54
09/17/2022	5	90	90	55
09/17/2022	6	90	90	58
09/17/2022	7	90	90	56
09/17/2022	8	115	115	61
09/17/2022	9	125	125	65
09/17/2022	10	135	135	69
09/17/2022	11	135	135	73
09/17/2022	12	135	135	72
09/17/2022	13	135	135	73
09/17/2022	14	135	135	75
09/17/2022	15	135	135	74
09/17/2022	16	135	135	72
09/17/2022	17	135	135	69
09/17/2022	18	138	138	75
09/17/2022	19	135	135	73
09/17/2022	20	135	135	73
09/17/2022	21	135	135	70
09/17/2022	22	135	135	67
09/17/2022	23	120	120	63
09/17/2022	24	110	110	59
09/18/2022	1	105	105	57
09/18/2022	2	105	105	55
09/18/2022	3	85	85	53
09/18/2022	4	85	85	52
09/18/2022	5	85	85	51
09/18/2022	6	85	85	53
09/18/2022	7	92	92	51
09/18/2022	8	110	110	51
09/18/2022	9	125	125	53
09/18/2022	10	135	135	58
09/18/2022	11	135	135	61
09/18/2022	12	135	135	61
09/18/2022	13	135	135	62
09/18/2022	14	135	135	64
09/18/2022	15	135	135	63
09/18/2022	16	135	135	63
09/18/2022	17	135	135	64
09/18/2022	18	135	135	72
09/18/2022	19	135	135	70
09/18/2022	20	135	135	68
09/18/2022	21	135	135	67
09/18/2022	22	135	135	63
09/18/2022	23	120	120	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/18/2022	24	110	110	57
09/19/2022	1	110	110	55
09/19/2022	2	110	110	53
09/19/2022	3	90	90	52
09/19/2022	4	90	90	51
09/19/2022	5	90	90	55
09/19/2022	6	90	90	56
09/19/2022	7	90	90	53
09/19/2022	8	115	115	60
09/19/2022	9	138	138	69
09/19/2022	10	138	138	74
09/19/2022	11	138	138	76
09/19/2022	12	138	138	77
09/19/2022	13	138	138	78
09/19/2022	14	138	138	82
09/19/2022	15	138	138	79
09/19/2022	16	138	138	78
09/19/2022	17	138	138	75
09/19/2022	18	138	138	77
09/19/2022	19	138	138	75
09/19/2022	20	138	138	74
09/19/2022	21	135	135	71
09/19/2022	22	135	135	67
09/19/2022	23	120	120	63
09/19/2022	24	110	110	60
09/20/2022	1	110	110	58
09/20/2022	2	110	110	56
09/20/2022	3	90	90	54
09/20/2022	4	90	90	54
09/20/2022	5	90	90	57
09/20/2022	6	90	90	58
09/20/2022	7	100	100	55
09/20/2022	8	115	115	60
09/20/2022	9	125	125	69
09/20/2022	10	135	135	74
09/20/2022	11	135	135	78
09/20/2022	12	135	135	77
09/20/2022	13	135	135	79
09/20/2022	14	138	138	84
09/20/2022	15	138	138	82
09/20/2022	16	135	135	79
09/20/2022	17	135	135	75
09/20/2022	18	135	135	77
09/20/2022	19	135	135	77
09/20/2022	20	135	135	75
09/20/2022	21	135	135	72
09/20/2022	22	135	135	67
09/20/2022	23	120	120	64
09/20/2022	24	110	110	60
09/21/2022	1	110	110	60
09/21/2022	2	110	110	58
09/21/2022	3	90	90	56
09/21/2022	4	90	90	56
09/21/2022	5	90	90	59
09/21/2022	6	93	93	61
09/21/2022	7	90	90	57
09/21/2022	8	115	115	64
09/21/2022	9	125	125	73
09/21/2022	10	135	135	76
09/21/2022	11	135	135	78
09/21/2022	12	135	135	79
09/21/2022	13	135	135	80
09/21/2022	14	135	135	84
09/21/2022	15	135	135	83
09/21/2022	16	135	135	80

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/21/2022	17	135	135	75
09/21/2022	18	135	135	79
09/21/2022	19	135	135	77
09/21/2022	20	135	135	76
09/21/2022	21	135	135	73
09/21/2022	22	135	135	69
09/21/2022	23	120	120	65
09/21/2022	24	110	110	62
09/22/2022	1	110	110	58
09/22/2022	2	110	110	57
09/22/2022	3	90	90	54
09/22/2022	4	90	90	54
09/22/2022	5	90	90	57
09/22/2022	6	90	90	59
09/22/2022	7	100	100	54
09/22/2022	8	115	115	62
09/22/2022	9	125	125	71
09/22/2022	10	135	135	76
09/22/2022	11	135	135	79
09/22/2022	12	135	135	80
09/22/2022	13	135	135	81
09/22/2022	14	138	138	86
09/22/2022	15	138	138	83
09/22/2022	16	135	135	80
09/22/2022	17	135	135	76
09/22/2022	18	135	135	78
09/22/2022	19	135	135	76
09/22/2022	20	135	135	74
09/22/2022	21	135	135	72
09/22/2022	22	135	135	67
09/22/2022	23	120	120	63
09/22/2022	24	110	110	60
09/23/2022	1	90	90	59
09/23/2022	2	90	90	58
09/23/2022	3	90	90	55
09/23/2022	4	90	90	55
09/23/2022	5	90	90	58
09/23/2022	6	90	90	60
09/23/2022	7	90	90	55
09/23/2022	8	115	115	63
09/23/2022	9	125	125	70
09/23/2022	10	135	135	74
09/23/2022	11	135	135	77
09/23/2022	12	135	135	76
09/23/2022	13	135	135	78
09/23/2022	14	135	135	82
09/23/2022	15	135	135	80
09/23/2022	16	135	135	79
09/23/2022	17	135	135	75
09/23/2022	18	135	135	78
09/23/2022	19	135	135	75
09/23/2022	20	135	135	74
09/23/2022	21	135	135	72
09/23/2022	22	120	120	68
09/23/2022	23	110	110	65
09/23/2022	24	110	110	61
09/24/2022	1	90	90	58
09/24/2022	2	90	90	57
09/24/2022	3	90	90	55
09/24/2022	4	90	90	55
09/24/2022	5	90	90	55
09/24/2022	6	90	90	57
09/24/2022	7	90	90	55
09/24/2022	8	115	115	59
09/24/2022	9	125	125	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/24/2022	10	135	135	69
09/24/2022	11	135	135	72
09/24/2022	12	135	135	72
09/24/2022	13	135	135	73
09/24/2022	14	135	135	76
09/24/2022	15	135	135	75
09/24/2022	16	135	135	73
09/24/2022	17	135	135	71
09/24/2022	18	135	135	76
09/24/2022	19	135	135	76
09/24/2022	20	135	135	74
09/24/2022	21	135	135	72
09/24/2022	22	135	135	69
09/24/2022	23	110	110	66
09/24/2022	24	110	110	62
09/25/2022	1	90	90	59
09/25/2022	2	90	90	57
09/25/2022	3	90	90	55
09/25/2022	4	90	90	54
09/25/2022	5	90	90	53
09/25/2022	6	90	90	55
09/25/2022	7	90	90	53
09/25/2022	8	90	90	53
09/25/2022	9	93	90	56
09/25/2022	10	93	90	60
09/25/2022	11	100	100	63
09/25/2022	12	115	115	64
09/25/2022	13	125	125	66
09/25/2022	14	135	135	67
09/25/2022	15	135	135	67
09/25/2022	16	135	135	65
09/25/2022	17	135	135	64
09/25/2022	18	135	135	72
09/25/2022	19	135	135	72
09/25/2022	20	135	135	71
09/25/2022	21	135	135	69
09/25/2022	22	125	125	66
09/25/2022	23	110	110	62
09/25/2022	24	110	110	59
09/26/2022	1	90	90	57
09/26/2022	2	90	90	55
09/26/2022	3	90	90	53
09/26/2022	4	90	90	53
09/26/2022	5	90	90	56
09/26/2022	6	90	90	58
09/26/2022	7	90	90	52
09/26/2022	8	115	115	59
09/26/2022	9	125	125	69
09/26/2022	10	135	135	75
09/26/2022	11	135	135	78
09/26/2022	12	135	135	77
09/26/2022	13	135	135	79
09/26/2022	14	135	135	83
09/26/2022	15	135	135	81
09/26/2022	16	135	135	79
09/26/2022	17	135	135	75
09/26/2022	18	135	135	79
09/26/2022	19	135	135	76
09/26/2022	20	135	135	75
09/26/2022	21	135	135	72
09/26/2022	22	135	135	68
09/26/2022	23	110	110	64
09/26/2022	24	110	110	61
09/27/2022	1	90	90	57
09/27/2022	2	90	90	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/27/2022	3	90	90	53
09/27/2022	4	90	90	53
09/27/2022	5	90	90	57
09/27/2022	6	90	90	58
09/27/2022	7	90	90	55
09/27/2022	8	110	110	62
09/27/2022	9	135	135	70
09/27/2022	10	135	135	74
09/27/2022	11	135	135	79
09/27/2022	12	135	135	78
09/27/2022	13	135	135	79
09/27/2022	14	135	135	83
09/27/2022	15	135	135	81
09/27/2022	16	135	135	78
09/27/2022	17	135	135	75
09/27/2022	18	135	135	77
09/27/2022	19	135	135	74
09/27/2022	20	135	135	72
09/27/2022	21	135	135	70
09/27/2022	22	135	135	66
09/27/2022	23	110	110	63
09/27/2022	24	110	110	60
09/28/2022	1	90	90	58
09/28/2022	2	90	90	57
09/28/2022	3	90	90	55
09/28/2022	4	90	90	54
09/28/2022	5	90	90	58
09/28/2022	6	90	90	60
09/28/2022	7	90	90	56
09/28/2022	8	110	110	63
09/28/2022	9	135	135	71
09/28/2022	10	135	135	76
09/28/2022	11	135	135	79
09/28/2022	12	135	135	78
09/28/2022	13	135	135	79
09/28/2022	14	135	135	81
09/28/2022	15	135	135	79
09/28/2022	16	135	135	76
09/28/2022	17	135	135	72
09/28/2022	18	135	135	76
09/28/2022	19	135	135	74
09/28/2022	20	135	135	73
09/28/2022	21	135	135	71
09/28/2022	22	135	135	66
09/28/2022	23	110	110	62
09/28/2022	24	110	110	59
09/29/2022	1	90	90	59
09/29/2022	2	90	90	57
09/29/2022	3	90	90	54
09/29/2022	4	90	90	56
09/29/2022	5	90	90	57
09/29/2022	6	90	90	58
09/29/2022	7	90	90	54
09/29/2022	8	110	110	61
09/29/2022	9	135	135	68
09/29/2022	10	135	135	74
09/29/2022	11	135	135	79
09/29/2022	12	135	135	78
09/29/2022	13	135	135	78
09/29/2022	14	135	135	83
09/29/2022	15	135	135	80
09/29/2022	16	135	135	78
09/29/2022	17	135	135	75
09/29/2022	18	135	135	78
09/29/2022	19	135	135	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
09/29/2022	20	135	135	75
09/29/2022	21	135	135	72
09/29/2022	22	135	135	67
09/29/2022	23	110	110	65
09/29/2022	24	110	110	63
09/30/2022	1	90	90	58
09/30/2022	2	90	90	56
09/30/2022	3	90	90	53
09/30/2022	4	90	90	54
09/30/2022	5	90	90	56
09/30/2022	6	90	90	57
09/30/2022	7	90	90	54
09/30/2022	8	90	90	62
09/30/2022	9	100	100	69
09/30/2022	10	135	135	75
09/30/2022	11	135	135	78
09/30/2022	12	135	135	77
09/30/2022	13	135	135	78
09/30/2022	14	135	135	82
09/30/2022	15	135	135	78
09/30/2022	16	135	135	77
09/30/2022	17	135	135	74
09/30/2022	18	135	135	76
09/30/2022	19	135	135	74
09/30/2022	20	135	135	71
09/30/2022	21	135	135	69
09/30/2022	22	115	115	65
09/30/2022	23	110	110	62
09/30/2022	24	100	100	60
10/01/2022	1	90	90	57
10/01/2022	2	90	90	56
10/01/2022	3	90	90	54
10/01/2022	4	90	90	53
10/01/2022	5	90	90	54
10/01/2022	6	90	90	56
10/01/2022	7	90	90	54
10/01/2022	8	100	100	58
10/01/2022	9	115	115	64
10/01/2022	10	135	135	68
10/01/2022	11	135	135	71
10/01/2022	12	135	135	71
10/01/2022	13	135	135	72
10/01/2022	14	135	135	75
10/01/2022	15	135	135	74
10/01/2022	16	135	135	72
10/01/2022	17	135	135	70
10/01/2022	18	135	135	74
10/01/2022	19	135	135	74
10/01/2022	20	135	135	71
10/01/2022	21	135	135	70
10/01/2022	22	135	135	65
10/01/2022	23	116	110	63
10/01/2022	24	110	110	60
10/02/2022	1	90	90	56
10/02/2022	2	90	90	54
10/02/2022	3	90	90	53
10/02/2022	4	90	90	51
10/02/2022	5	90	90	52
10/02/2022	6	90	90	53
10/02/2022	7	90	90	52
10/02/2022	8	90	90	53
10/02/2022	9	90	90	55
10/02/2022	10	90	90	58
10/02/2022	11	100	100	62
10/02/2022	12	100	100	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/02/2022	13	100	100	63
10/02/2022	14	115	115	65
10/02/2022	15	115	115	65
10/02/2022	16	115	115	62
10/02/2022	17	115	115	63
10/02/2022	18	116	116	69
10/02/2022	19	116	115	70
10/02/2022	20	116	115	69
10/02/2022	21	116	115	68
10/02/2022	22	116	100	64
10/02/2022	23	101	90	60
10/02/2022	24	90	90	58
10/03/2022	1	90	90	55
10/03/2022	2	90	90	53
10/03/2022	3	90	90	52
10/03/2022	4	90	90	52
10/03/2022	5	90	90	55
10/03/2022	6	90	90	56
10/03/2022	7	90	90	52
10/03/2022	8	100	100	60
10/03/2022	9	116	115	69
10/03/2022	10	135	135	75
10/03/2022	11	135	135	78
10/03/2022	12	135	135	78
10/03/2022	13	135	135	80
10/03/2022	14	135	135	83
10/03/2022	15	135	135	81
10/03/2022	16	135	135	79
10/03/2022	17	135	135	74
10/03/2022	18	135	135	78
10/03/2022	19	135	135	77
10/03/2022	20	135	135	75
10/03/2022	21	135	135	74
10/03/2022	22	135	135	69
10/03/2022	23	116	110	65
10/03/2022	24	116	110	62
10/04/2022	1	90	90	59
10/04/2022	2	90	90	57
10/04/2022	3	90	90	55
10/04/2022	4	90	90	55
10/04/2022	5	90	90	58
10/04/2022	6	90	90	60
10/04/2022	7	90	90	56
10/04/2022	8	100	100	63
10/04/2022	9	129	128	72
10/04/2022	10	135	135	76
10/04/2022	11	135	135	80
10/04/2022	12	135	135	79
10/04/2022	13	135	135	80
10/04/2022	14	135	135	82
10/04/2022	15	135	135	80
10/04/2022	16	135	135	78
10/04/2022	17	135	135	75
10/04/2022	18	135	135	78
10/04/2022	19	135	135	76
10/04/2022	20	135	135	74
10/04/2022	21	135	135	71
10/04/2022	22	135	135	66
10/04/2022	23	110	110	64
10/04/2022	24	110	110	61
10/05/2022	1	101	90	56
10/05/2022	2	90	90	55
10/05/2022	3	90	90	53
10/05/2022	4	90	90	53
10/05/2022	5	92	90	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/05/2022	6	99	90	57
10/05/2022	7	90	90	53
10/05/2022	8	106	100	61
10/05/2022	9	120	115	70
10/05/2022	10	135	135	76
10/05/2022	11	135	135	79
10/05/2022	12	135	135	78
10/05/2022	13	135	135	78
10/05/2022	14	135	135	82
10/05/2022	15	135	135	78
10/05/2022	16	135	135	76
10/05/2022	17	135	135	73
10/05/2022	18	135	135	77
10/05/2022	19	135	135	74
10/05/2022	20	135	135	73
10/05/2022	21	135	135	71
10/05/2022	22	135	135	66
10/05/2022	23	120	110	63
10/05/2022	24	120	110	60
10/06/2022	1	101	90	55
10/06/2022	2	90	90	54
10/06/2022	3	90	90	52
10/06/2022	4	90	90	52
10/06/2022	5	90	90	55
10/06/2022	6	98	90	57
10/06/2022	7	90	90	53
10/06/2022	8	101	100	60
10/06/2022	9	120	115	69
10/06/2022	10	135	135	73
10/06/2022	11	135	135	77
10/06/2022	12	135	135	76
10/06/2022	13	135	135	77
10/06/2022	14	135	135	80
10/06/2022	15	135	135	77
10/06/2022	16	135	135	73
10/06/2022	17	135	135	70
10/06/2022	18	135	135	75
10/06/2022	19	135	135	71
10/06/2022	20	135	135	70
10/06/2022	21	135	135	67
10/06/2022	22	135	135	64
10/06/2022	23	120	110	60
10/06/2022	24	110	110	56
10/07/2022	1	90	90	57
10/07/2022	2	90	90	56
10/07/2022	3	90	90	54
10/07/2022	4	90	90	54
10/07/2022	5	90	90	56
10/07/2022	6	90	90	57
10/07/2022	7	90	90	54
10/07/2022	8	100	100	60
10/07/2022	9	120	115	69
10/07/2022	10	135	135	74
10/07/2022	11	135	135	76
10/07/2022	12	135	135	78
10/07/2022	13	135	135	78
10/07/2022	14	135	135	79
10/07/2022	15	135	135	77
10/07/2022	16	135	135	74
10/07/2022	17	135	135	73
10/07/2022	18	135	135	75
10/07/2022	19	135	135	72
10/07/2022	20	135	135	72
10/07/2022	21	135	135	69
10/07/2022	22	135	135	65

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/07/2022	23	110	110	62
10/07/2022	24	110	110	58
10/08/2022	1	90	90	57
10/08/2022	2	90	90	55
10/08/2022	3	90	90	53
10/08/2022	4	90	90	53
10/08/2022	5	90	90	53
10/08/2022	6	90	90	54
10/08/2022	7	90	90	54
10/08/2022	8	100	100	57
10/08/2022	9	115	115	63
10/08/2022	10	135	135	67
10/08/2022	11	135	135	70
10/08/2022	12	135	135	70
10/08/2022	13	135	135	70
10/08/2022	14	135	135	72
10/08/2022	15	135	135	71
10/08/2022	16	135	135	69
10/08/2022	17	135	135	70
10/08/2022	18	135	135	75
10/08/2022	19	135	135	72
10/08/2022	20	135	135	70
10/08/2022	21	135	135	68
10/08/2022	22	135	135	64
10/08/2022	23	120	110	62
10/08/2022	24	110	110	58
10/09/2022	1	113	112	58
10/09/2022	2	98	98	56
10/09/2022	3	78	78	53
10/09/2022	4	78	78	52
10/09/2022	5	78	78	52
10/09/2022	6	79	79	53
10/09/2022	7	79	79	52
10/09/2022	8	79	79	53
10/09/2022	9	79	79	56
10/09/2022	10	86	86	60
10/09/2022	11	102	101	63
10/09/2022	12	109	109	64
10/09/2022	13	116	107	64
10/09/2022	14	116	110	65
10/09/2022	15	116	114	65
10/09/2022	16	116	106	63
10/09/2022	17	120	111	63
10/09/2022	18	135	135	71
10/09/2022	19	135	135	72
10/09/2022	20	135	135	70
10/09/2022	21	135	135	68
10/09/2022	22	123	123	64
10/09/2022	23	122	122	60
10/09/2022	24	105	104	58
10/10/2022	1	109	76	54
10/10/2022	2	109	76	52
10/10/2022	3	109	76	50
10/10/2022	4	108	76	50
10/10/2022	5	109	76	54
10/10/2022	6	109	87	56
10/10/2022	7	109	90	52
10/10/2022	8	109	100	58
10/10/2022	9	119	115	68
10/10/2022	10	135	135	73
10/10/2022	11	135	135	77
10/10/2022	12	135	135	76
10/10/2022	13	135	135	77
10/10/2022	14	138	138	81
10/10/2022	15	138	138	80

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/10/2022	16	135	135	77
10/10/2022	17	135	135	74
10/10/2022	18	138	138	79
10/10/2022	19	135	135	76
10/10/2022	20	135	135	74
10/10/2022	21	135	135	71
10/10/2022	22	135	135	67
10/10/2022	23	115	115	63
10/10/2022	24	110	110	60
10/11/2022	1	80	80	56
10/11/2022	2	79	78	55
10/11/2022	3	75	75	52
10/11/2022	4	75	75	52
10/11/2022	5	78	78	56
10/11/2022	6	89	89	58
10/11/2022	7	80	80	54
10/11/2022	8	104	103	61
10/11/2022	9	135	135	71
10/11/2022	10	135	135	76
10/11/2022	11	135	135	78
10/11/2022	12	135	135	78
10/11/2022	13	135	135	79
10/11/2022	14	135	135	82
10/11/2022	15	135	135	80
10/11/2022	16	135	135	77
10/11/2022	17	135	135	73
10/11/2022	18	135	135	78
10/11/2022	19	135	135	76
10/11/2022	20	135	135	73
10/11/2022	21	135	135	71
10/11/2022	22	108	106	66
10/11/2022	23	106	105	62
10/11/2022	24	90	90	59
10/12/2022	1	110	110	58
10/12/2022	2	90	90	56
10/12/2022	3	88	88	54
10/12/2022	4	75	75	53
10/12/2022	5	81	81	55
10/12/2022	6	85	85	56
10/12/2022	7	80	80	53
10/12/2022	8	90	90	59
10/12/2022	9	115	115	69
10/12/2022	10	135	135	75
10/12/2022	11	135	135	78
10/12/2022	12	135	134	77
10/12/2022	13	135	135	78
10/12/2022	14	135	135	83
10/12/2022	15	135	135	80
10/12/2022	16	135	135	79
10/12/2022	17	135	135	74
10/12/2022	18	135	135	78
10/12/2022	19	135	135	76
10/12/2022	20	135	135	73
10/12/2022	21	135	135	71
10/12/2022	22	127	127	66
10/12/2022	23	115	115	63
10/12/2022	24	108	108	59
10/13/2022	1	94	94	58
10/13/2022	2	99	99	56
10/13/2022	3	91	91	55
10/13/2022	4	83	83	54
10/13/2022	5	104	104	56
10/13/2022	6	102	102	58
10/13/2022	7	80	80	53
10/13/2022	8	93	93	61

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/13/2022	9	111	111	70
10/13/2022	10	135	135	75
10/13/2022	11	135	135	78
10/13/2022	12	135	135	78
10/13/2022	13	135	135	79
10/13/2022	14	135	135	82
10/13/2022	15	135	135	81
10/13/2022	16	135	135	78
10/13/2022	17	135	135	75
10/13/2022	18	135	135	79
10/13/2022	19	135	135	76
10/13/2022	20	135	135	73
10/13/2022	21	135	135	71
10/13/2022	22	135	135	67
10/13/2022	23	135	135	63
10/13/2022	24	120	120	60
10/14/2022	1	90	90	58
10/14/2022	2	90	90	56
10/14/2022	3	80	80	54
10/14/2022	4	80	80	54
10/14/2022	5	90	90	56
10/14/2022	6	100	100	58
10/14/2022	7	85	85	54
10/14/2022	8	110	110	61
10/14/2022	9	125	125	70
10/14/2022	10	135	135	76
10/14/2022	11	135	135	79
10/14/2022	12	135	135	77
10/14/2022	13	135	135	78
10/14/2022	14	135	135	81
10/14/2022	15	135	135	78
10/14/2022	16	135	135	77
10/14/2022	17	135	135	74
10/14/2022	18	138	138	79
10/14/2022	19	135	135	75
10/14/2022	20	135	135	73
10/14/2022	21	135	135	70
10/14/2022	22	135	135	66
10/14/2022	23	134	133	62
10/14/2022	24	115	115	60
10/15/2022	1	98	98	57
10/15/2022	2	90	90	55
10/15/2022	3	90	90	53
10/15/2022	4	90	90	53
10/15/2022	5	92	92	54
10/15/2022	6	90	90	54
10/15/2022	7	80	80	52
10/15/2022	8	90	90	55
10/15/2022	9	117	117	59
10/15/2022	10	131	131	64
10/15/2022	11	122	122	67
10/15/2022	12	115	115	66
10/15/2022	13	118	118	66
10/15/2022	14	119	119	67
10/15/2022	15	135	135	72
10/15/2022	16	135	135	71
10/15/2022	17	125	125	68
10/15/2022	18	135	135	76
10/15/2022	19	135	135	75
10/15/2022	20	135	135	73
10/15/2022	21	135	135	71
10/15/2022	22	125	125	65
10/15/2022	23	125	125	61
10/15/2022	24	121	120	59
10/16/2022	1	80	80	55

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/16/2022	2	80	80	54
10/16/2022	3	80	80	53
10/16/2022	4	80	80	51
10/16/2022	5	80	80	51
10/16/2022	6	80	80	51
10/16/2022	7	80	80	49
10/16/2022	8	80	80	50
10/16/2022	9	100	100	53
10/16/2022	10	115	115	59
10/16/2022	11	135	135	62
10/16/2022	12	135	135	63
10/16/2022	13	135	135	62
10/16/2022	14	135	135	61
10/16/2022	15	135	135	61
10/16/2022	16	135	135	61
10/16/2022	17	125	124	62
10/16/2022	18	135	135	70
10/16/2022	19	135	135	68
10/16/2022	20	135	135	67
10/16/2022	21	135	135	65
10/16/2022	22	110	110	57
10/16/2022	23	110	110	55
10/16/2022	24	110	100	53
10/17/2022	1	78	78	53
10/17/2022	2	80	80	52
10/17/2022	3	80	80	50
10/17/2022	4	80	80	50
10/17/2022	5	85	85	54
10/17/2022	6	90	90	56
10/17/2022	7	80	80	53
10/17/2022	8	95	95	59
10/17/2022	9	122	122	67
10/17/2022	10	135	135	73
10/17/2022	11	135	135	76
10/17/2022	12	135	135	76
10/17/2022	13	135	135	78
10/17/2022	14	135	135	81
10/17/2022	15	135	135	80
10/17/2022	16	135	135	77
10/17/2022	17	123	123	72
10/17/2022	18	135	135	78
10/17/2022	19	135	135	77
10/17/2022	20	135	135	74
10/17/2022	21	135	135	71
10/17/2022	22	135	135	66
10/17/2022	23	121	121	63
10/17/2022	24	100	100	58
10/18/2022	1	90	90	58
10/18/2022	2	90	90	57
10/18/2022	3	84	84	54
10/18/2022	4	80	80	53
10/18/2022	5	86	86	55
10/18/2022	6	90	90	57
10/18/2022	7	90	90	53
10/18/2022	8	115	115	62
10/18/2022	9	135	135	70
10/18/2022	10	135	135	75
10/18/2022	11	135	135	78
10/18/2022	12	135	135	78
10/18/2022	13	135	135	78
10/18/2022	14	135	135	81
10/18/2022	15	135	135	78
10/18/2022	16	135	135	76
10/18/2022	17	135	135	73
10/18/2022	18	135	135	76

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/18/2022	19	135	135	74
10/18/2022	20	135	135	71
10/18/2022	21	135	135	70
10/18/2022	22	125	125	66
10/18/2022	23	110	110	63
10/18/2022	24	105	105	60
10/19/2022	1	80	80	56
10/19/2022	2	80	80	54
10/19/2022	3	80	80	53
10/19/2022	4	80	80	53
10/19/2022	5	80	80	55
10/19/2022	6	100	100	58
10/19/2022	7	90	90	55
10/19/2022	8	105	105	61
10/19/2022	9	135	135	69
10/19/2022	10	135	135	74
10/19/2022	11	135	135	78
10/19/2022	12	135	135	77
10/19/2022	13	135	135	77
10/19/2022	14	135	135	81
10/19/2022	15	135	135	78
10/19/2022	16	135	135	76
10/19/2022	17	135	135	73
10/19/2022	18	135	135	76
10/19/2022	19	135	135	73
10/19/2022	20	135	135	72
10/19/2022	21	135	135	68
10/19/2022	22	115	115	64
10/19/2022	23	100	100	61
10/19/2022	24	100	100	58
10/20/2022	1	90	90	58
10/20/2022	2	84	84	56
10/20/2022	3	80	80	55
10/20/2022	4	80	80	54
10/20/2022	5	81	81	57
10/20/2022	6	90	90	59
10/20/2022	7	80	80	54
10/20/2022	8	88	88	60
10/20/2022	9	114	114	69
10/20/2022	10	113	113	74
10/20/2022	11	130	130	77
10/20/2022	12	121	121	77
10/20/2022	13	116	116	77
10/20/2022	14	135	135	81
10/20/2022	15	135	135	80
10/20/2022	16	135	135	76
10/20/2022	17	122	122	74
10/20/2022	18	135	135	77
10/20/2022	19	135	135	73
10/20/2022	20	135	135	72
10/20/2022	21	123	123	69
10/20/2022	22	106	106	66
10/20/2022	23	99	99	62
10/20/2022	24	90	90	59
10/21/2022	1	78	78	55
10/21/2022	2	74	74	54
10/21/2022	3	75	75	53
10/21/2022	4	74	74	52
10/21/2022	5	80	80	56
10/21/2022	6	85	85	57
10/21/2022	7	80	80	53
10/21/2022	8	93	93	60
10/21/2022	9	122	122	69
10/21/2022	10	130	130	74
10/21/2022	11	135	135	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/21/2022	12	135	135	77
10/21/2022	13	135	135	78
10/21/2022	14	135	135	81
10/21/2022	15	135	135	79
10/21/2022	16	135	135	78
10/21/2022	17	135	135	74
10/21/2022	18	135	135	77
10/21/2022	19	135	135	74
10/21/2022	20	135	135	72
10/21/2022	21	124	124	69
10/21/2022	22	103	103	65
10/21/2022	23	100	100	62
10/21/2022	24	95	95	59
10/22/2022	1	80	80	56
10/22/2022	2	80	80	55
10/22/2022	3	80	80	53
10/22/2022	4	80	80	52
10/22/2022	5	80	80	53
10/22/2022	6	80	80	54
10/22/2022	7	90	90	53
10/22/2022	8	100	100	57
10/22/2022	9	116	115	63
10/22/2022	10	135	135	67
10/22/2022	11	135	135	70
10/22/2022	12	135	135	69
10/22/2022	13	135	135	70
10/22/2022	14	135	135	72
10/22/2022	15	135	135	70
10/22/2022	16	135	135	69
10/22/2022	17	135	135	68
10/22/2022	18	135	135	74
10/22/2022	19	135	135	71
10/22/2022	20	135	135	70
10/22/2022	21	135	135	68
10/22/2022	22	121	115	65
10/22/2022	23	115	100	60
10/22/2022	24	100	100	57
10/23/2022	1	90	90	55
10/23/2022	2	80	80	54
10/23/2022	3	80	80	52
10/23/2022	4	80	80	51
10/23/2022	5	80	80	51
10/23/2022	6	80	80	51
10/23/2022	7	80	80	50
10/23/2022	8	80	80	51
10/23/2022	9	100	80	56
10/23/2022	10	98	90	59
10/23/2022	11	103	100	62
10/23/2022	12	103	100	62
10/23/2022	13	105	105	63
10/23/2022	14	103	95	62
10/23/2022	15	104	98	61
10/23/2022	16	101	100	61
10/23/2022	17	102	95	61
10/23/2022	18	134	134	69
10/23/2022	19	113	113	68
10/23/2022	20	105	104	67
10/23/2022	21	103	100	65
10/23/2022	22	99	85	60
10/23/2022	23	90	90	58
10/23/2022	24	80	80	55
10/24/2022	1	80	80	53
10/24/2022	2	80	80	52
10/24/2022	3	80	80	50
10/24/2022	4	80	80	50

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/24/2022	5	80	80	53
10/24/2022	6	80	80	56
10/24/2022	7	85	80	51
10/24/2022	8	100	100	59
10/24/2022	9	135	135	68
10/24/2022	10	135	135	73
10/24/2022	11	135	135	77
10/24/2022	12	135	135	77
10/24/2022	13	135	135	77
10/24/2022	14	138	138	81
10/24/2022	15	138	138	79
10/24/2022	16	135	135	76
10/24/2022	17	135	135	74
10/24/2022	18	138	138	77
10/24/2022	19	135	135	74
10/24/2022	20	135	135	73
10/24/2022	21	135	135	69
10/24/2022	22	125	125	64
10/24/2022	23	125	125	61
10/24/2022	24	100	100	58
10/25/2022	1	80	80	56
10/25/2022	2	80	80	55
10/25/2022	3	80	80	53
10/25/2022	4	80	80	52
10/25/2022	5	80	80	56
10/25/2022	6	80	80	58
10/25/2022	7	80	80	54
10/25/2022	8	90	90	61
10/25/2022	9	110	110	70
10/25/2022	10	125	125	75
10/25/2022	11	130	130	78
10/25/2022	12	125	125	77
10/25/2022	13	125	125	78
10/25/2022	14	135	135	80
10/25/2022	15	130	130	78
10/25/2022	16	120	120	75
10/25/2022	17	120	120	72
10/25/2022	18	135	135	78
10/25/2022	19	125	125	74
10/25/2022	20	120	120	73
10/25/2022	21	110	110	70
10/25/2022	22	105	105	66
10/25/2022	23	93	93	63
10/25/2022	24	90	90	60
10/26/2022	1	80	80	56
10/26/2022	2	80	80	54
10/26/2022	3	80	80	54
10/26/2022	4	80	80	53
10/26/2022	5	80	80	55
10/26/2022	6	80	80	58
10/26/2022	7	80	80	53
10/26/2022	8	90	90	60
10/26/2022	9	100	100	66
10/26/2022	10	110	110	70
10/26/2022	11	110	110	71
10/26/2022	12	105	90	68
10/26/2022	13	104	100	70
10/26/2022	14	110	110	74
10/26/2022	15	122	122	73
10/26/2022	16	123	123	71
10/26/2022	17	110	110	69
10/26/2022	18	115	115	72
10/26/2022	19	110	110	69
10/26/2022	20	104	104	67
10/26/2022	21	101	90	64

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/26/2022	22	100	80	60
10/26/2022	23	80	80	56
10/26/2022	24	80	80	53
10/27/2022	1	80	80	57
10/27/2022	2	80	80	55
10/27/2022	3	80	80	53
10/27/2022	4	80	80	53
10/27/2022	5	80	80	57
10/27/2022	6	80	80	59
10/27/2022	7	80	80	55
10/27/2022	8	100	100	61
10/27/2022	9	100	100	69
10/27/2022	10	135	135	75
10/27/2022	11	135	135	78
10/27/2022	12	135	135	76
10/27/2022	13	135	135	77
10/27/2022	14	135	135	80
10/27/2022	15	135	135	78
10/27/2022	16	135	135	76
10/27/2022	17	135	135	72
10/27/2022	18	135	135	77
10/27/2022	19	135	135	73
10/27/2022	20	135	135	72
10/27/2022	21	135	135	69
10/27/2022	22	125	125	65
10/27/2022	23	110	110	63
10/27/2022	24	100	100	60
10/28/2022	1	80	80	56
10/28/2022	2	80	80	53
10/28/2022	3	80	80	52
10/28/2022	4	80	80	52
10/28/2022	5	80	80	55
10/28/2022	6	90	90	57
10/28/2022	7	80	80	54
10/28/2022	8	90	90	60
10/28/2022	9	100	100	68
10/28/2022	10	110	110	74
10/28/2022	11	120	120	77
10/28/2022	12	106	106	74
10/28/2022	13	113	113	76
10/28/2022	14	135	135	80
10/28/2022	15	135	135	79
10/28/2022	16	125	125	77
10/28/2022	17	115	115	73
10/28/2022	18	133	133	76
10/28/2022	19	124	124	75
10/28/2022	20	121	121	73
10/28/2022	21	113	113	71
10/28/2022	22	103	100	67
10/28/2022	23	100	100	64
10/28/2022	24	100	100	60
10/29/2022	1	80	80	57
10/29/2022	2	80	80	55
10/29/2022	3	80	80	53
10/29/2022	4	80	80	53
10/29/2022	5	80	80	54
10/29/2022	6	80	80	55
10/29/2022	7	80	80	55
10/29/2022	8	80	80	56
10/29/2022	9	100	100	62
10/29/2022	10	110	110	66
10/29/2022	11	110	110	70
10/29/2022	12	110	110	70
10/29/2022	13	110	110	70
10/29/2022	14	110	110	71

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
10/29/2022	15	114	114	70
10/29/2022	16	111	110	69
10/29/2022	17	119	118	70
10/29/2022	18	135	135	75
10/29/2022	19	135	135	73
10/29/2022	20	135	135	71
10/29/2022	21	122	122	69
10/29/2022	22	101	100	66
10/29/2022	23	100	100	62
10/29/2022	24	80	80	59
10/30/2022	1	70	70	55
10/30/2022	2	70	70	53
10/30/2022	3	70	70	51
10/30/2022	4	70	70	51
10/30/2022	5	70	70	51
10/30/2022	6	70	70	51
10/30/2022	7	78	78	51
10/30/2022	8	78	78	48
10/30/2022	9	78	78	51
10/30/2022	10	78	78	55
10/30/2022	11	78	78	58
10/30/2022	12	78	78	57
10/30/2022	13	78	78	57
10/30/2022	14	74	74	57
10/30/2022	15	86	80	57
10/30/2022	16	80	80	56
10/30/2022	17	102	80	59
10/30/2022	18	115	115	70
10/30/2022	19	105	95	68
10/30/2022	20	106	95	67
10/30/2022	21	102	90	65
10/30/2022	22	99	80	61
10/30/2022	23	80	80	58
10/30/2022	24	80	80	55
10/31/2022	1	70	70	53
10/31/2022	2	70	70	52
10/31/2022	3	70	70	49
10/31/2022	4	70	70	50
10/31/2022	5	70	70	52
10/31/2022	6	70	70	52
10/31/2022	7	76	76	50
10/31/2022	8	76	76	51
10/31/2022	9	76	76	52
10/31/2022	10	76	76	56
10/31/2022	11	86	86	59
10/31/2022	12	86	86	59
10/31/2022	13	86	86	61
10/31/2022	14	102	80	63
10/31/2022	15	103	80	62
10/31/2022	16	101	80	61
10/31/2022	17	100	90	62
10/31/2022	18	101	95	67
10/31/2022	19	101	90	63
10/31/2022	20	100	80	60
10/31/2022	21	80	80	57
10/31/2022	22	70	70	56
10/31/2022	23	70	70	52
10/31/2022	24	70	70	51
11/01/2022	1	80	80	55
11/01/2022	2	80	80	53
11/01/2022	3	75	75	51
11/01/2022	4	80	80	52
11/01/2022	5	80	80	54
11/01/2022	6	80	80	55
11/01/2022	7	80	80	51

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/01/2022	8	80	80	52
11/01/2022	9	100	100	56
11/01/2022	10	100	100	60
11/01/2022	11	100	100	63
11/01/2022	12	100	100	63
11/01/2022	13	100	100	64
11/01/2022	14	100	100	65
11/01/2022	15	100	100	64
11/01/2022	16	100	100	62
11/01/2022	17	100	100	62
11/01/2022	18	135	135	70
11/01/2022	19	134	134	68
11/01/2022	20	135	135	68
11/01/2022	21	135	135	66
11/01/2022	22	128	128	64
11/01/2022	23	100	100	60
11/01/2022	24	80	80	56
11/02/2022	1	80	80	56
11/02/2022	2	80	80	54
11/02/2022	3	80	80	53
11/02/2022	4	80	80	52
11/02/2022	5	80	80	55
11/02/2022	6	80	80	58
11/02/2022	7	88	88	53
11/02/2022	8	90	90	61
11/02/2022	9	100	100	69
11/02/2022	10	110	110	73
11/02/2022	11	118	118	78
11/02/2022	12	110	110	76
11/02/2022	13	110	110	77
11/02/2022	14	122	122	79
11/02/2022	15	115	115	77
11/02/2022	16	115	115	75
11/02/2022	17	120	120	74
11/02/2022	18	135	135	79
11/02/2022	19	120	120	74
11/02/2022	20	110	110	72
11/02/2022	21	105	105	69
11/02/2022	22	100	100	65
11/02/2022	23	100	100	62
11/02/2022	24	100	100	59
11/03/2022	1	80	80	56
11/03/2022	2	80	80	53
11/03/2022	3	80	80	52
11/03/2022	4	80	80	52
11/03/2022	5	80	80	55
11/03/2022	6	80	80	57
11/03/2022	7	88	88	54
11/03/2022	8	90	90	60
11/03/2022	9	111	100	69
11/03/2022	10	112	110	74
11/03/2022	11	125	125	78
11/03/2022	12	120	120	76
11/03/2022	13	120	120	77
11/03/2022	14	135	135	80
11/03/2022	15	135	135	77
11/03/2022	16	125	125	75
11/03/2022	17	120	120	74
11/03/2022	18	135	135	79
11/03/2022	19	117	110	74
11/03/2022	20	115	110	72
11/03/2022	21	115	110	70
11/03/2022	22	113	91	65
11/03/2022	23	91	91	62
11/03/2022	24	90	90	60

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/04/2022	1	80	80	56
11/04/2022	2	80	80	54
11/04/2022	3	80	80	53
11/04/2022	4	80	80	52
11/04/2022	5	80	80	54
11/04/2022	6	88	88	58
11/04/2022	7	80	80	54
11/04/2022	8	100	100	58
11/04/2022	9	120	120	66
11/04/2022	10	135	135	71
11/04/2022	11	135	135	75
11/04/2022	12	135	135	74
11/04/2022	13	125	125	77
11/04/2022	14	135	135	79
11/04/2022	15	135	135	77
11/04/2022	16	135	135	72
11/04/2022	17	135	135	71
11/04/2022	18	135	135	74
11/04/2022	19	135	135	71
11/04/2022	20	135	135	69
11/04/2022	21	135	135	68
11/04/2022	22	135	135	64
11/04/2022	23	110	110	61
11/04/2022	24	108	100	58
11/05/2022	1	80	80	53
11/05/2022	2	80	80	51
11/05/2022	3	80	80	50
11/05/2022	4	80	80	49
11/05/2022	5	80	80	51
11/05/2022	6	80	80	53
11/05/2022	7	88	88	50
11/05/2022	8	88	88	55
11/05/2022	9	100	100	61
11/05/2022	10	100	100	66
11/05/2022	11	114	110	69
11/05/2022	12	115	100	68
11/05/2022	13	115	100	68
11/05/2022	14	116	105	69
11/05/2022	15	117	105	68
11/05/2022	16	115	100	66
11/05/2022	17	115	110	67
11/05/2022	18	125	125	72
11/05/2022	19	119	110	69
11/05/2022	20	117	110	67
11/05/2022	21	114	101	65
11/05/2022	22	111	90	62
11/05/2022	23	110	90	60
11/05/2022	24	109	80	57
11/06/2022	1	80	80	53
11/06/2022	2	80	80	51
11/06/2022	3	80	80	50
11/06/2022	4	80	80	50
11/06/2022	5	80	80	51
11/06/2022	6	80	80	51
11/06/2022	7	80	80	51
11/06/2022	8	80	80	52
11/06/2022	9	114	80	55
11/06/2022	10	105	90	58
11/06/2022	11	115	114	61
11/06/2022	12	116	116	61
11/06/2022	13	125	125	62
11/06/2022	14	135	135	64
11/06/2022	15	135	135	62
11/06/2022	16	135	135	61
11/06/2022	17	120	120	62

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/06/2022	18	135	135	70
11/06/2022	19	135	135	68
11/06/2022	20	135	135	67
11/06/2022	21	135	135	64
11/06/2022	22	100	100	61
11/06/2022	23	100	100	57
11/06/2022	24	100	80	55
11/07/2022	1	90	90	54
11/07/2022	2	83	83	52
11/07/2022	3	80	80	51
11/07/2022	4	80	80	52
11/07/2022	5	80	80	54
11/07/2022	6	90	90	57
11/07/2022	7	80	80	52
11/07/2022	8	90	90	58
11/07/2022	9	117	110	66
11/07/2022	10	126	126	73
11/07/2022	11	135	135	76
11/07/2022	12	130	130	73
11/07/2022	13	135	135	76
11/07/2022	14	135	135	80
11/07/2022	15	135	135	77
11/07/2022	16	135	135	75
11/07/2022	17	120	120	70
11/07/2022	18	135	135	76
11/07/2022	19	135	135	73
11/07/2022	20	130	130	70
11/07/2022	21	120	120	66
11/07/2022	22	100	100	63
11/07/2022	23	115	90	59
11/07/2022	24	113	90	57
11/08/2022	1	86	86	56
11/08/2022	2	80	80	54
11/08/2022	3	80	80	53
11/08/2022	4	80	80	53
11/08/2022	5	80	80	55
11/08/2022	6	83	83	56
11/08/2022	7	88	88	54
11/08/2022	8	100	100	61
11/08/2022	9	114	110	68
11/08/2022	10	135	135	74
11/08/2022	11	135	135	77
11/08/2022	12	135	135	77
11/08/2022	13	135	135	78
11/08/2022	14	135	135	81
11/08/2022	15	135	135	79
11/08/2022	16	135	135	77
11/08/2022	17	135	135	73
11/08/2022	18	135	135	76
11/08/2022	19	130	130	73
11/08/2022	20	130	130	71
11/08/2022	21	122	122	68
11/08/2022	22	122	122	65
11/08/2022	23	122	122	62
11/08/2022	24	118	118	58
11/09/2022	1	90	90	57
11/09/2022	2	83	83	55
11/09/2022	3	80	80	54
11/09/2022	4	90	90	53
11/09/2022	5	95	95	56
11/09/2022	6	95	95	58
11/09/2022	7	80	80	54
11/09/2022	8	95	95	60
11/09/2022	9	124	124	69
11/09/2022	10	135	135	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/09/2022	11	135	135	78
11/09/2022	12	135	135	76
11/09/2022	13	135	135	77
11/09/2022	14	135	135	82
11/09/2022	15	135	135	80
11/09/2022	16	135	135	77
11/09/2022	17	135	135	75
11/09/2022	18	135	135	79
11/09/2022	19	135	135	76
11/09/2022	20	135	135	74
11/09/2022	21	135	135	71
11/09/2022	22	125	125	67
11/09/2022	23	120	120	63
11/09/2022	24	110	110	61
11/10/2022	1	105	105	57
11/10/2022	2	100	100	56
11/10/2022	3	90	90	54
11/10/2022	4	91	91	54
11/10/2022	5	100	100	57
11/10/2022	6	110	110	60
11/10/2022	7	90	90	54
11/10/2022	8	110	110	61
11/10/2022	9	135	135	69
11/10/2022	10	135	135	74
11/10/2022	11	135	135	79
11/10/2022	12	135	135	77
11/10/2022	13	135	135	77
11/10/2022	14	135	135	80
11/10/2022	15	135	135	79
11/10/2022	16	135	135	76
11/10/2022	17	135	135	74
11/10/2022	18	135	135	78
11/10/2022	19	135	135	74
11/10/2022	20	135	135	74
11/10/2022	21	135	135	71
11/10/2022	22	135	135	67
11/10/2022	23	125	125	64
11/10/2022	24	120	120	60
11/11/2022	1	90	90	58
11/11/2022	2	90	90	56
11/11/2022	3	90	90	54
11/11/2022	4	90	90	54
11/11/2022	5	90	90	57
11/11/2022	6	90	90	59
11/11/2022	7	90	90	54
11/11/2022	8	97	97	61
11/11/2022	9	135	135	71
11/11/2022	10	135	135	75
11/11/2022	11	135	135	78
11/11/2022	12	135	135	76
11/11/2022	13	135	135	78
11/11/2022	14	135	135	80
11/11/2022	15	135	135	80
11/11/2022	16	135	135	77
11/11/2022	17	135	135	75
11/11/2022	18	138	138	79
11/11/2022	19	135	135	76
11/11/2022	20	135	135	74
11/11/2022	21	135	135	71
11/11/2022	22	135	135	67
11/11/2022	23	135	135	64
11/11/2022	24	120	120	60
11/12/2022	1	95	95	57
11/12/2022	2	90	90	56
11/12/2022	3	85	85	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/12/2022	4	80	80	53
11/12/2022	5	80	80	54
11/12/2022	6	85	85	55
11/12/2022	7	80	80	52
11/12/2022	8	81	81	55
11/12/2022	9	95	95	61
11/12/2022	10	105	105	65
11/12/2022	11	110	110	69
11/12/2022	12	104	104	68
11/12/2022	13	105	105	68
11/12/2022	14	109	109	69
11/12/2022	15	110	110	69
11/12/2022	16	110	110	68
11/12/2022	17	115	115	67
11/12/2022	18	135	135	74
11/12/2022	19	135	135	72
11/12/2022	20	135	135	70
11/12/2022	21	125	125	68
11/12/2022	22	110	110	64
11/12/2022	23	100	100	61
11/12/2022	24	100	100	58
11/13/2022	1	80	80	54
11/13/2022	2	80	80	52
11/13/2022	3	80	80	51
11/13/2022	4	80	80	50
11/13/2022	5	80	80	51
11/13/2022	6	80	80	51
11/13/2022	7	80	80	50
11/13/2022	8	83	83	50
11/13/2022	9	100	100	55
11/13/2022	10	120	120	59
11/13/2022	11	120	120	62
11/13/2022	12	120	120	63
11/13/2022	13	120	120	63
11/13/2022	14	120	120	63
11/13/2022	15	120	120	63
11/13/2022	16	120	120	62
11/13/2022	17	135	135	62
11/13/2022	18	135	135	72
11/13/2022	19	135	135	70
11/13/2022	20	135	135	69
11/13/2022	21	135	135	66
11/13/2022	22	135	135	64
11/13/2022	23	135	135	61
11/13/2022	24	120	120	58
11/14/2022	1	85	85	54
11/14/2022	2	85	85	52
11/14/2022	3	85	85	51
11/14/2022	4	85	85	51
11/14/2022	5	85	85	54
11/14/2022	6	85	85	56
11/14/2022	7	86	86	52
11/14/2022	8	91	91	60
11/14/2022	9	125	125	69
11/14/2022	10	135	135	74
11/14/2022	11	135	135	78
11/14/2022	12	135	135	77
11/14/2022	13	135	135	77
11/14/2022	14	135	135	80
11/14/2022	15	135	135	80
11/14/2022	16	135	135	80
11/14/2022	17	135	135	74
11/14/2022	18	135	135	78
11/14/2022	19	135	135	76
11/14/2022	20	135	135	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/14/2022	21	135	135	71
11/14/2022	22	125	125	66
11/14/2022	23	115	115	63
11/14/2022	24	101	101	60
11/15/2022	1	101	101	58
11/15/2022	2	100	100	56
11/15/2022	3	90	90	55
11/15/2022	4	90	90	55
11/15/2022	5	100	100	57
11/15/2022	6	108	108	60
11/15/2022	7	90	90	55
11/15/2022	8	104	104	62
11/15/2022	9	135	135	71
11/15/2022	10	135	135	75
11/15/2022	11	135	135	78
11/15/2022	12	135	135	78
11/15/2022	13	135	135	79
11/15/2022	14	135	135	81
11/15/2022	15	135	135	79
11/15/2022	16	135	135	76
11/15/2022	17	135	135	74
11/15/2022	18	135	135	78
11/15/2022	19	135	135	74
11/15/2022	20	135	135	72
11/15/2022	21	135	135	70
11/15/2022	22	130	130	66
11/15/2022	23	122	122	63
11/15/2022	24	115	115	60
11/16/2022	1	100	100	58
11/16/2022	2	90	90	56
11/16/2022	3	90	90	55
11/16/2022	4	90	90	54
11/16/2022	5	100	100	58
11/16/2022	6	100	100	59
11/16/2022	7	90	90	54
11/16/2022	8	99	99	62
11/16/2022	9	120	120	70
11/16/2022	10	135	135	73
11/16/2022	11	135	135	77
11/16/2022	12	135	135	76
11/16/2022	13	135	135	76
11/16/2022	14	135	135	80
11/16/2022	15	135	135	79
11/16/2022	16	135	135	77
11/16/2022	17	135	135	75
11/16/2022	18	135	135	79
11/16/2022	19	131	131	74
11/16/2022	20	132	132	72
11/16/2022	21	135	135	71
11/16/2022	22	120	120	64
11/16/2022	23	115	115	63
11/16/2022	24	100	100	59
11/17/2022	1	92	92	57
11/17/2022	2	90	90	56
11/17/2022	3	90	90	53
11/17/2022	4	90	90	55
11/17/2022	5	90	90	56
11/17/2022	6	99	99	58
11/17/2022	7	90	90	53
11/17/2022	8	95	95	61
11/17/2022	9	120	120	69
11/17/2022	10	134	134	74
11/17/2022	11	125	125	74
11/17/2022	12	128	128	74
11/17/2022	13	138	138	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/17/2022	14	138	138	80
11/17/2022	15	138	138	78
11/17/2022	16	138	138	76
11/17/2022	17	135	135	74
11/17/2022	18	135	135	78
11/17/2022	19	135	135	74
11/17/2022	20	135	135	72
11/17/2022	21	134	134	69
11/17/2022	22	123	123	64
11/17/2022	23	123	123	61
11/17/2022	24	120	120	58
11/18/2022	1	90	90	56
11/18/2022	2	90	90	54
11/18/2022	3	90	90	53
11/18/2022	4	90	90	53
11/18/2022	5	90	90	54
11/18/2022	6	90	90	55
11/18/2022	7	90	90	52
11/18/2022	8	100	100	59
11/18/2022	9	120	120	65
11/18/2022	10	126	126	70
11/18/2022	11	123	123	71
11/18/2022	12	119	119	70
11/18/2022	13	130	130	74
11/18/2022	14	135	135	78
11/18/2022	15	130	130	73
11/18/2022	16	125	125	70
11/18/2022	17	131	131	70
11/18/2022	18	135	135	73
11/18/2022	19	130	130	68
11/18/2022	20	123	123	66
11/18/2022	21	119	119	64
11/18/2022	22	97	97	59
11/18/2022	23	90	90	56
11/18/2022	24	90	90	54
11/19/2022	1	90	90	54
11/19/2022	2	90	90	53
11/19/2022	3	90	90	51
11/19/2022	4	90	90	50
11/19/2022	5	90	90	51
11/19/2022	6	90	90	53
11/19/2022	7	90	90	51
11/19/2022	8	90	90	55
11/19/2022	9	105	105	61
11/19/2022	10	110	110	65
11/19/2022	11	119	119	69
11/19/2022	12	117	117	68
11/19/2022	13	116	116	68
11/19/2022	14	118	118	69
11/19/2022	15	118	118	69
11/19/2022	16	118	118	68
11/19/2022	17	118	118	67
11/19/2022	18	135	135	73
11/19/2022	19	135	135	71
11/19/2022	20	125	125	69
11/19/2022	21	127	127	67
11/19/2022	22	107	107	63
11/19/2022	23	100	100	60
11/19/2022	24	100	100	57
11/20/2022	1	90	90	55
11/20/2022	2	90	90	53
11/20/2022	3	80	80	52
11/20/2022	4	80	80	51
11/20/2022	5	80	80	51
11/20/2022	6	80	80	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/20/2022	7	80	80	50
11/20/2022	8	80	80	51
11/20/2022	9	90	90	54
11/20/2022	10	90	90	59
11/20/2022	11	94	94	62
11/20/2022	12	100	100	63
11/20/2022	13	100	100	63
11/20/2022	14	100	100	64
11/20/2022	15	100	100	63
11/20/2022	16	100	100	62
11/20/2022	17	100	100	63
11/20/2022	18	135	135	72
11/20/2022	19	120	120	69
11/20/2022	20	115	115	68
11/20/2022	21	110	110	66
11/20/2022	22	95	95	62
11/20/2022	23	93	93	59
11/20/2022	24	95	95	56
11/21/2022	1	80	80	54
11/21/2022	2	80	80	53
11/21/2022	3	80	80	50
11/21/2022	4	80	80	52
11/21/2022	5	80	80	54
11/21/2022	6	80	80	57
11/21/2022	7	80	80	52
11/21/2022	8	85	85	59
11/21/2022	9	110	110	67
11/21/2022	10	110	110	72
11/21/2022	11	110	110	73
11/21/2022	12	110	110	72
11/21/2022	13	115	115	74
11/21/2022	14	135	135	78
11/21/2022	15	125	125	76
11/21/2022	16	120	120	74
11/21/2022	17	115	115	71
11/21/2022	18	135	135	76
11/21/2022	19	125	125	73
11/21/2022	20	120	120	71
11/21/2022	21	115	115	69
11/21/2022	22	100	100	64
11/21/2022	23	100	100	61
11/21/2022	24	100	100	59
11/22/2022	1	95	95	57
11/22/2022	2	92	92	55
11/22/2022	3	90	90	54
11/22/2022	4	90	90	54
11/22/2022	5	90	90	56
11/22/2022	6	95	95	58
11/22/2022	7	85	85	54
11/22/2022	8	100	100	61
11/22/2022	9	125	125	69
11/22/2022	10	135	135	74
11/22/2022	11	135	135	78
11/22/2022	12	135	135	76
11/22/2022	13	135	135	77
11/22/2022	14	136	136	80
11/22/2022	15	136	136	79
11/22/2022	16	135	135	76
11/22/2022	17	135	135	73
11/22/2022	18	136	136	77
11/22/2022	19	135	135	73
11/22/2022	20	135	135	72
11/22/2022	21	135	135	69
11/22/2022	22	119	119	66
11/22/2022	23	110	110	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/22/2022	24	100	100	59
11/23/2022	1	85	85	54
11/23/2022	2	85	85	54
11/23/2022	3	85	85	51
11/23/2022	4	85	85	53
11/23/2022	5	85	85	55
11/23/2022	6	91	90	58
11/23/2022	7	80	80	53
11/23/2022	8	95	95	59
11/23/2022	9	125	125	67
11/23/2022	10	130	130	73
11/23/2022	11	135	135	75
11/23/2022	12	135	135	74
11/23/2022	13	135	135	74
11/23/2022	14	135	135	78
11/23/2022	15	135	135	75
11/23/2022	16	135	135	74
11/23/2022	17	135	135	72
11/23/2022	18	135	135	75
11/23/2022	19	135	135	72
11/23/2022	20	130	130	70
11/23/2022	21	120	120	66
11/23/2022	22	100	100	62
11/23/2022	23	95	95	59
11/23/2022	24	95	95	57
11/24/2022	1	90	90	55
11/24/2022	2	90	90	53
11/24/2022	3	90	90	52
11/24/2022	4	90	90	52
11/24/2022	5	90	90	55
11/24/2022	6	95	95	58
11/24/2022	7	90	90	53
11/24/2022	8	98	98	59
11/24/2022	9	125	125	67
11/24/2022	10	134	134	72
11/24/2022	11	135	135	75
11/24/2022	12	135	135	73
11/24/2022	13	135	135	74
11/24/2022	14	135	135	78
11/24/2022	15	135	135	77
11/24/2022	16	135	135	77
11/24/2022	17	135	135	74
11/24/2022	18	135	135	76
11/24/2022	19	135	135	73
11/24/2022	20	135	135	71
11/24/2022	21	125	125	68
11/24/2022	22	110	110	64
11/24/2022	23	110	110	61
11/24/2022	24	110	110	57
11/25/2022	1	100	90	55
11/25/2022	2	100	90	53
11/25/2022	3	100	80	52
11/25/2022	4	100	80	52
11/25/2022	5	100	100	55
11/25/2022	6	100	100	58
11/25/2022	7	100	90	53
11/25/2022	8	115	115	59
11/25/2022	9	135	135	67
11/25/2022	10	135	135	71
11/25/2022	11	135	135	75
11/25/2022	12	135	135	75
11/25/2022	13	135	135	76
11/25/2022	14	135	135	78
11/25/2022	15	135	135	76
11/25/2022	16	135	135	75

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/25/2022	17	135	135	74
11/25/2022	18	135	135	77
11/25/2022	19	135	135	72
11/25/2022	20	135	135	71
11/25/2022	21	135	135	68
11/25/2022	22	135	135	64
11/25/2022	23	110	110	60
11/25/2022	24	100	100	58
11/26/2022	1	90	90	55
11/26/2022	2	90	90	54
11/26/2022	3	90	90	52
11/26/2022	4	90	90	51
11/26/2022	5	90	90	52
11/26/2022	6	92	92	54
11/26/2022	7	90	90	53
11/26/2022	8	90	90	56
11/26/2022	9	92	92	61
11/26/2022	10	100	100	65
11/26/2022	11	107	107	69
11/26/2022	12	100	100	68
11/26/2022	13	100	100	68
11/26/2022	14	110	110	69
11/26/2022	15	110	110	69
11/26/2022	16	110	110	68
11/26/2022	17	110	110	68
11/26/2022	18	130	130	74
11/26/2022	19	117	117	71
11/26/2022	20	113	113	69
11/26/2022	21	115	110	67
11/26/2022	22	100	100	64
11/26/2022	23	90	90	60
11/26/2022	24	90	90	57
11/27/2022	1	80	80	54
11/27/2022	2	80	80	52
11/27/2022	3	80	80	51
11/27/2022	4	80	80	50
11/27/2022	5	80	80	51
11/27/2022	6	80	80	52
11/27/2022	7	80	80	50
11/27/2022	8	86	86	51
11/27/2022	9	86	86	54
11/27/2022	10	92	91	56
11/27/2022	11	92	91	58
11/27/2022	12	92	91	58
11/27/2022	13	104	103	58
11/27/2022	14	109	109	59
11/27/2022	15	124	124	59
11/27/2022	16	135	135	60
11/27/2022	17	135	135	63
11/27/2022	18	135	135	70
11/27/2022	19	135	135	69
11/27/2022	20	135	135	67
11/27/2022	21	135	135	65
11/27/2022	22	110	110	62
11/27/2022	23	110	110	58
11/27/2022	24	110	110	55
11/28/2022	1	90	88	54
11/28/2022	2	80	80	53
11/28/2022	3	80	80	51
11/28/2022	4	80	80	51
11/28/2022	5	90	90	56
11/28/2022	6	90	90	58
11/28/2022	7	80	80	53
11/28/2022	8	90	90	59
11/28/2022	9	122	119	68

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
11/28/2022	10	125	125	72
11/28/2022	11	135	135	74
11/28/2022	12	135	135	74
11/28/2022	13	135	135	74
11/28/2022	14	135	135	78
11/28/2022	15	135	135	76
11/28/2022	16	135	135	75
11/28/2022	17	135	135	72
11/28/2022	18	135	135	76
11/28/2022	19	135	135	72
11/28/2022	20	135	135	70
11/28/2022	21	126	126	68
11/28/2022	22	100	100	63
11/28/2022	23	100	100	60
11/28/2022	24	100	100	57
11/29/2022	1	80	80	55
11/29/2022	2	80	80	54
11/29/2022	3	80	80	52
11/29/2022	4	80	80	52
11/29/2022	5	80	80	56
11/29/2022	6	90	90	59
11/29/2022	7	80	80	54
11/29/2022	8	90	90	61
11/29/2022	9	110	110	69
11/29/2022	10	120	120	74
11/29/2022	11	122	122	76
11/29/2022	12	120	120	75
11/29/2022	13	120	120	76
11/29/2022	14	130	130	78
11/29/2022	15	130	130	77
11/29/2022	16	130	130	75
11/29/2022	17	130	130	74
11/29/2022	18	130	130	75
11/29/2022	19	130	130	73
11/29/2022	20	120	120	71
11/29/2022	21	120	120	69
11/29/2022	22	100	100	65
11/29/2022	23	100	100	62
11/29/2022	24	100	100	58
11/30/2022	1	80	80	55
11/30/2022	2	80	80	54
11/30/2022	3	80	80	53
11/30/2022	4	80	80	52
11/30/2022	5	80	80	53
11/30/2022	6	90	90	55
11/30/2022	7	100	100	54
11/30/2022	8	115	115	57
11/30/2022	9	135	135	62
11/30/2022	10	135	135	66
11/30/2022	11	135	135	71
11/30/2022	12	135	135	70
11/30/2022	13	135	135	70
11/30/2022	14	135	135	72
11/30/2022	15	135	135	70
11/30/2022	16	135	135	69
11/30/2022	17	130	130	68
11/30/2022	18	135	135	75
11/30/2022	19	135	135	73
11/30/2022	20	135	135	70
11/30/2022	21	135	135	67
11/30/2022	22	135	135	65
11/30/2022	23	125	125	61
11/30/2022	24	115	115	57
12/01/2022	1	88	88	59
12/01/2022	2	88	88	56

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/01/2022	3	88	88	55
12/01/2022	4	95	88	55
12/01/2022	5	88	88	57
12/01/2022	6	88	88	59
12/01/2022	7	80	80	54
12/01/2022	8	95	95	60
12/01/2022	9	114	114	69
12/01/2022	10	121	121	75
12/01/2022	11	133	133	77
12/01/2022	12	121	121	76
12/01/2022	13	130	130	78
12/01/2022	14	137	137	80
12/01/2022	15	135	135	79
12/01/2022	16	130	130	77
12/01/2022	17	120	120	74
12/01/2022	18	135	135	79
12/01/2022	19	129	129	76
12/01/2022	20	126	126	74
12/01/2022	21	120	120	72
12/01/2022	22	110	110	68
12/01/2022	23	105	105	64
12/01/2022	24	95	95	60
12/02/2022	1	90	90	56
12/02/2022	2	90	90	54
12/02/2022	3	90	90	53
12/02/2022	4	90	90	53
12/02/2022	5	100	100	55
12/02/2022	6	100	100	58
12/02/2022	7	100	100	54
12/02/2022	8	115	115	59
12/02/2022	9	135	135	70
12/02/2022	10	135	135	73
12/02/2022	11	135	135	76
12/02/2022	12	135	135	75
12/02/2022	13	135	135	76
12/02/2022	14	137	137	79
12/02/2022	15	135	135	77
12/02/2022	16	135	135	74
12/02/2022	17	135	135	73
12/02/2022	18	135	135	76
12/02/2022	19	135	135	74
12/02/2022	20	135	135	73
12/02/2022	21	135	135	69
12/02/2022	22	135	135	66
12/02/2022	23	120	119	62
12/02/2022	24	107	107	58
12/03/2022	1	85	85	55
12/03/2022	2	85	85	54
12/03/2022	3	80	80	52
12/03/2022	4	80	80	52
12/03/2022	5	80	80	53
12/03/2022	6	90	90	56
12/03/2022	7	80	80	54
12/03/2022	8	90	90	57
12/03/2022	9	90	90	63
12/03/2022	10	100	100	67
12/03/2022	11	100	100	70
12/03/2022	12	100	100	69
12/03/2022	13	100	100	70
12/03/2022	14	105	105	72
12/03/2022	15	105	105	71
12/03/2022	16	100	100	70
12/03/2022	17	104	104	69
12/03/2022	18	126	126	76
12/03/2022	19	120	120	73

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/03/2022	20	111	111	71
12/03/2022	21	110	110	69
12/03/2022	22	100	100	66
12/03/2022	23	100	100	62
12/03/2022	24	100	100	58
12/04/2022	1	80	80	53
12/04/2022	2	80	80	52
12/04/2022	3	80	80	50
12/04/2022	4	80	80	49
12/04/2022	5	80	80	50
12/04/2022	6	80	80	52
12/04/2022	7	80	80	50
12/04/2022	8	80	80	51
12/04/2022	9	84	80	52
12/04/2022	10	93	80	57
12/04/2022	11	97	90	59
12/04/2022	12	100	100	60
12/04/2022	13	100	100	62
12/04/2022	14	110	110	62
12/04/2022	15	110	110	62
12/04/2022	16	100	100	61
12/04/2022	17	100	100	61
12/04/2022	18	110	110	70
12/04/2022	19	110	110	68
12/04/2022	20	110	110	66
12/04/2022	21	110	110	65
12/04/2022	22	110	110	61
12/04/2022	23	100	100	58
12/04/2022	24	90	80	53
12/05/2022	1	82	82	52
12/05/2022	2	82	82	50
12/05/2022	3	82	82	49
12/05/2022	4	82	82	49
12/05/2022	5	82	82	53
12/05/2022	6	82	82	55
12/05/2022	7	82	82	51
12/05/2022	8	82	82	58
12/05/2022	9	96	96	66
12/05/2022	10	110	110	71
12/05/2022	11	117	117	74
12/05/2022	12	114	114	74
12/05/2022	13	115	115	75
12/05/2022	14	135	135	78
12/05/2022	15	126	126	76
12/05/2022	16	122	122	74
12/05/2022	17	124	124	74
12/05/2022	18	135	135	77
12/05/2022	19	122	122	74
12/05/2022	20	110	110	72
12/05/2022	21	100	100	67
12/05/2022	22	100	100	64
12/05/2022	23	100	100	61
12/05/2022	24	100	100	59
12/06/2022	1	80	80	56
12/06/2022	2	80	80	54
12/06/2022	3	80	80	53
12/06/2022	4	80	80	53
12/06/2022	5	80	80	55
12/06/2022	6	80	80	59
12/06/2022	7	80	80	54
12/06/2022	8	81	80	60
12/06/2022	9	110	110	68
12/06/2022	10	111	110	72
12/06/2022	11	122	119	75
12/06/2022	12	122	118	74

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/06/2022	13	120	120	76
12/06/2022	14	126	125	78
12/06/2022	15	125	125	77
12/06/2022	16	121	121	75
12/06/2022	17	120	120	74
12/06/2022	18	131	131	78
12/06/2022	19	120	120	74
12/06/2022	20	119	119	73
12/06/2022	21	110	110	70
12/06/2022	22	123	92	66
12/06/2022	23	119	90	62
12/06/2022	24	100	80	59
12/07/2022	1	80	80	53
12/07/2022	2	80	80	53
12/07/2022	3	80	80	50
12/07/2022	4	80	80	51
12/07/2022	5	80	80	54
12/07/2022	6	80	80	57
12/07/2022	7	80	80	52
12/07/2022	8	80	80	58
12/07/2022	9	100	100	67
12/07/2022	10	100	100	71
12/07/2022	11	106	106	74
12/07/2022	12	106	106	73
12/07/2022	13	120	120	74
12/07/2022	14	120	120	76
12/07/2022	15	120	120	76
12/07/2022	16	116	116	74
12/07/2022	17	110	110	72
12/07/2022	18	125	125	78
12/07/2022	19	110	110	73
12/07/2022	20	106	106	71
12/07/2022	21	100	100	68
12/07/2022	22	98	98	64
12/07/2022	23	98	98	60
12/07/2022	24	98	98	57
12/08/2022	1	80	80	54
12/08/2022	2	80	80	53
12/08/2022	3	80	80	51
12/08/2022	4	78	77	50
12/08/2022	5	80	80	51
12/08/2022	6	80	80	54
12/08/2022	7	77	77	52
12/08/2022	8	80	80	55
12/08/2022	9	100	100	60
12/08/2022	10	100	100	64
12/08/2022	11	103	100	67
12/08/2022	12	104	100	67
12/08/2022	13	105	100	67
12/08/2022	14	113	113	69
12/08/2022	15	113	113	67
12/08/2022	16	113	113	65
12/08/2022	17	113	113	65
12/08/2022	18	113	113	72
12/08/2022	19	113	113	69
12/08/2022	20	113	113	66
12/08/2022	21	113	113	64
12/08/2022	22	94	86	61
12/08/2022	23	80	80	57
12/08/2022	24	80	80	53
12/09/2022	1	80	80	55
12/09/2022	2	80	80	53
12/09/2022	3	80	80	52
12/09/2022	4	80	80	51
12/09/2022	5	80	80	54

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/09/2022	6	80	80	58
12/09/2022	7	80	80	53
12/09/2022	8	80	80	58
12/09/2022	9	87	87	67
12/09/2022	10	95	95	71
12/09/2022	11	100	100	74
12/09/2022	12	100	100	73
12/09/2022	13	100	100	73
12/09/2022	14	105	105	76
12/09/2022	15	110	110	76
12/09/2022	16	105	105	74
12/09/2022	17	100	100	72
12/09/2022	18	110	110	78
12/09/2022	19	101	101	74
12/09/2022	20	100	100	71
12/09/2022	21	90	90	68
12/09/2022	22	90	90	64
12/09/2022	23	90	90	60
12/09/2022	24	90	90	58
12/10/2022	1	75	75	54
12/10/2022	2	80	80	52
12/10/2022	3	80	80	50
12/10/2022	4	75	75	50
12/10/2022	5	71	70	49
12/10/2022	6	80	80	51
12/10/2022	7	80	80	51
12/10/2022	8	94	94	55
12/10/2022	9	113	113	62
12/10/2022	10	113	113	67
12/10/2022	11	113	113	69
12/10/2022	12	113	113	68
12/10/2022	13	113	113	68
12/10/2022	14	113	113	67
12/10/2022	15	113	113	66
12/10/2022	16	113	113	68
12/10/2022	17	113	113	69
12/10/2022	18	113	113	74
12/10/2022	19	113	113	70
12/10/2022	20	113	113	67
12/10/2022	21	112	112	65
12/10/2022	22	88	86	62
12/10/2022	23	80	80	60
12/10/2022	24	80	80	57
12/11/2022	1	80	80	53
12/11/2022	2	80	80	51
12/11/2022	3	80	80	50
12/11/2022	4	80	80	49
12/11/2022	5	80	80	50
12/11/2022	6	80	80	50
12/11/2022	7	80	80	49
12/11/2022	8	80	80	51
12/11/2022	9	80	80	53
12/11/2022	10	90	90	57
12/11/2022	11	90	90	60
12/11/2022	12	90	90	61
12/11/2022	13	90	90	62
12/11/2022	14	90	90	63
12/11/2022	15	90	90	62
12/11/2022	16	90	90	62
12/11/2022	17	90	90	63
12/11/2022	18	104	104	71
12/11/2022	19	100	100	69
12/11/2022	20	100	100	68
12/11/2022	21	93	93	66
12/11/2022	22	90	90	63

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/11/2022	23	90	90	59
12/11/2022	24	90	90	56
12/12/2022	1	80	80	55
12/12/2022	2	80	80	52
12/12/2022	3	80	80	51
12/12/2022	4	80	80	51
12/12/2022	5	80	80	54
12/12/2022	6	80	80	58
12/12/2022	7	80	80	52
12/12/2022	8	80	80	57
12/12/2022	9	90	90	66
12/12/2022	10	90	90	70
12/12/2022	11	100	100	74
12/12/2022	12	100	100	73
12/12/2022	13	100	100	74
12/12/2022	14	101	101	77
12/12/2022	15	100	100	76
12/12/2022	16	100	100	74
12/12/2022	17	100	100	72
12/12/2022	18	110	110	78
12/12/2022	19	100	100	74
12/12/2022	20	100	100	72
12/12/2022	21	90	90	69
12/12/2022	22	90	90	65
12/12/2022	23	90	90	61
12/12/2022	24	90	90	58
12/13/2022	1	80	80	56
12/13/2022	2	80	80	54
12/13/2022	3	80	80	53
12/13/2022	4	80	80	53
12/13/2022	5	80	80	55
12/13/2022	6	82	82	59
12/13/2022	7	80	80	54
12/13/2022	8	90	90	59
12/13/2022	9	100	100	68
12/13/2022	10	125	125	74
12/13/2022	11	125	125	77
12/13/2022	12	125	125	75
12/13/2022	13	125	125	76
12/13/2022	14	135	135	79
12/13/2022	15	135	135	78
12/13/2022	16	135	135	76
12/13/2022	17	125	125	74
12/13/2022	18	135	135	79
12/13/2022	19	125	125	75
12/13/2022	20	125	125	74
12/13/2022	21	125	125	71
12/13/2022	22	100	100	67
12/13/2022	23	100	100	62
12/13/2022	24	100	100	59
12/14/2022	1	90	90	59
12/14/2022	2	90	90	57
12/14/2022	3	90	90	56
12/14/2022	4	90	90	55
12/14/2022	5	90	90	58
12/14/2022	6	90	90	60
12/14/2022	7	90	90	56
12/14/2022	8	121	121	62
12/14/2022	9	130	130	71
12/14/2022	10	130	130	77
12/14/2022	11	130	130	78
12/14/2022	12	130	130	76
12/14/2022	13	130	130	78
12/14/2022	14	130	130	80
12/14/2022	15	130	130	80

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/14/2022	16	130	130	79
12/14/2022	17	130	130	76
12/14/2022	18	135	135	82
12/14/2022	19	124	124	77
12/14/2022	20	124	124	76
12/14/2022	21	120	120	73
12/14/2022	22	120	120	69
12/14/2022	23	120	120	64
12/14/2022	24	115	115	61
12/15/2022	1	90	90	59
12/15/2022	2	90	90	57
12/15/2022	3	90	90	55
12/15/2022	4	90	90	55
12/15/2022	5	90	90	57
12/15/2022	6	90	90	60
12/15/2022	7	90	90	55
12/15/2022	8	121	121	59
12/15/2022	9	130	130	69
12/15/2022	10	130	130	74
12/15/2022	11	130	130	78
12/15/2022	12	130	130	77
12/15/2022	13	130	130	78
12/15/2022	14	130	130	80
12/15/2022	15	130	130	79
12/15/2022	16	130	130	78
12/15/2022	17	130	130	74
12/15/2022	18	130	130	80
12/15/2022	19	124	124	75
12/15/2022	20	124	124	74
12/15/2022	21	124	124	74
12/15/2022	22	115	115	68
12/15/2022	23	115	115	65
12/15/2022	24	115	115	62
12/16/2022	1	90	90	57
12/16/2022	2	90	90	56
12/16/2022	3	90	90	54
12/16/2022	4	90	90	54
12/16/2022	5	90	90	56
12/16/2022	6	97	97	58
12/16/2022	7	90	90	55
12/16/2022	8	100	100	59
12/16/2022	9	100	100	68
12/16/2022	10	130	130	74
12/16/2022	11	130	130	77
12/16/2022	12	130	130	74
12/16/2022	13	135	135	76
12/16/2022	14	135	135	78
12/16/2022	15	135	135	78
12/16/2022	16	135	135	75
12/16/2022	17	135	135	75
12/16/2022	18	135	135	80
12/16/2022	19	135	135	76
12/16/2022	20	135	135	74
12/16/2022	21	130	130	72
12/16/2022	22	115	115	67
12/16/2022	23	115	115	64
12/16/2022	24	115	115	60
12/17/2022	1	80	80	55
12/17/2022	2	80	80	54
12/17/2022	3	80	80	52
12/17/2022	4	80	80	52
12/17/2022	5	80	80	53
12/17/2022	6	80	80	56
12/17/2022	7	80	80	53
12/17/2022	8	80	80	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.



**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/17/2022	9	90	90	62
12/17/2022	10	120	120	67
12/17/2022	11	130	130	70
12/17/2022	12	130	130	69
12/17/2022	13	130	130	71
12/17/2022	14	120	120	73
12/17/2022	15	120	120	72
12/17/2022	16	120	120	70
12/17/2022	17	120	120	69
12/17/2022	18	130	130	77
12/17/2022	19	120	120	73
12/17/2022	20	120	120	71
12/17/2022	21	120	120	68
12/17/2022	22	100	100	65
12/17/2022	23	100	100	61
12/17/2022	24	100	100	57
12/18/2022	1	80	80	54
12/18/2022	2	80	80	53
12/18/2022	3	80	80	51
12/18/2022	4	80	80	50
12/18/2022	5	80	80	51
12/18/2022	6	80	80	51
12/18/2022	7	80	80	49
12/18/2022	8	80	80	50
12/18/2022	9	85	85	54
12/18/2022	10	85	85	57
12/18/2022	11	100	100	61
12/18/2022	12	100	100	61
12/18/2022	13	120	120	62
12/18/2022	14	120	120	62
12/18/2022	15	120	120	62
12/18/2022	16	120	120	62
12/18/2022	17	120	120	63
12/18/2022	18	120	120	71
12/18/2022	19	120	120	69
12/18/2022	20	120	120	68
12/18/2022	21	120	120	65
12/18/2022	22	120	120	62
12/18/2022	23	120	120	59
12/18/2022	24	100	100	56
12/19/2022	1	80	80	54
12/19/2022	2	80	80	52
12/19/2022	3	80	80	50
12/19/2022	4	80	80	50
12/19/2022	5	80	80	53
12/19/2022	6	80	80	56
12/19/2022	7	80	80	52
12/19/2022	8	100	100	57
12/19/2022	9	120	120	66
12/19/2022	10	120	120	72
12/19/2022	11	120	120	74
12/19/2022	12	120	120	73
12/19/2022	13	120	120	73
12/19/2022	14	120	120	77
12/19/2022	15	120	120	74
12/19/2022	16	120	120	73
12/19/2022	17	120	120	73
12/19/2022	18	120	120	77
12/19/2022	19	120	120	74
12/19/2022	20	120	120	73
12/19/2022	21	120	120	70
12/19/2022	22	120	120	65
12/19/2022	23	120	120	61
12/19/2022	24	115	115	58
12/20/2022	1	90	90	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/20/2022	2	90	90	56
12/20/2022	3	90	90	54
12/20/2022	4	90	90	54
12/20/2022	5	90	90	55
12/20/2022	6	90	90	59
12/20/2022	7	90	90	56
12/20/2022	8	121	121	60
12/20/2022	9	135	135	67
12/20/2022	10	135	135	72
12/20/2022	11	135	135	75
12/20/2022	12	135	135	73
12/20/2022	13	135	135	73
12/20/2022	14	135	135	77
12/20/2022	15	135	135	76
12/20/2022	16	135	135	74
12/20/2022	17	135	135	73
12/20/2022	18	135	135	78
12/20/2022	19	135	135	75
12/20/2022	20	135	135	72
12/20/2022	21	135	135	70
12/20/2022	22	135	135	66
12/20/2022	23	135	135	63
12/20/2022	24	115	115	59
12/21/2022	1	80	80	56
12/21/2022	2	80	80	53
12/21/2022	3	80	80	52
12/21/2022	4	80	80	52
12/21/2022	5	90	90	55
12/21/2022	6	90	90	56
12/21/2022	7	90	90	54
12/21/2022	8	100	100	59
12/21/2022	9	120	120	67
12/21/2022	10	120	120	70
12/21/2022	11	120	120	74
12/21/2022	12	120	120	73
12/21/2022	13	120	120	75
12/21/2022	14	125	125	77
12/21/2022	15	125	120	76
12/21/2022	16	120	120	74
12/21/2022	17	120	120	73
12/21/2022	18	125	125	78
12/21/2022	19	120	120	75
12/21/2022	20	120	120	72
12/21/2022	21	120	120	70
12/21/2022	22	120	120	66
12/21/2022	23	120	120	63
12/21/2022	24	115	115	59
12/22/2022	1	80	80	55
12/22/2022	2	80	80	54
12/22/2022	3	80	80	53
12/22/2022	4	80	80	53
12/22/2022	5	80	80	54
12/22/2022	6	80	80	57
12/22/2022	7	80	80	54
12/22/2022	8	80	80	59
12/22/2022	9	100	100	66
12/22/2022	10	118	105	71
12/22/2022	11	113	113	74
12/22/2022	12	110	110	72
12/22/2022	13	110	110	73
12/22/2022	14	120	120	75
12/22/2022	15	120	120	74
12/22/2022	16	115	115	73
12/22/2022	17	110	110	72
12/22/2022	18	130	130	77

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/22/2022	19	115	115	73
12/22/2022	20	110	110	71
12/22/2022	21	100	100	68
12/22/2022	22	90	90	64
12/22/2022	23	90	90	61
12/22/2022	24	90	90	58
12/23/2022	1	90	90	55
12/23/2022	2	90	90	53
12/23/2022	3	88	88	53
12/23/2022	4	80	80	52
12/23/2022	5	85	85	52
12/23/2022	6	90	90	53
12/23/2022	7	89	89	54
12/23/2022	8	90	90	58
12/23/2022	9	100	100	65
12/23/2022	10	110	110	70
12/23/2022	11	115	115	72
12/23/2022	12	115	115	71
12/23/2022	13	123	123	73
12/23/2022	14	123	123	74
12/23/2022	15	123	123	74
12/23/2022	16	124	124	74
12/23/2022	17	123	123	73
12/23/2022	18	135	135	78
12/23/2022	19	123	123	73
12/23/2022	20	115	115	71
12/23/2022	21	110	110	68
12/23/2022	22	110	94	62
12/23/2022	23	90	90	58
12/23/2022	24	90	90	55
12/24/2022	1	80	80	52
12/24/2022	2	80	80	50
12/24/2022	3	80	80	49
12/24/2022	4	80	80	49
12/24/2022	5	80	80	49
12/24/2022	6	80	80	50
12/24/2022	7	80	80	51
12/24/2022	8	80	80	53
12/24/2022	9	80	80	56
12/24/2022	10	92	90	60
12/24/2022	11	90	90	62
12/24/2022	12	94	94	65
12/24/2022	13	96	96	65
12/24/2022	14	98	98	65
12/24/2022	15	96	96	64
12/24/2022	16	95	95	63
12/24/2022	17	95	95	63
12/24/2022	18	111	111	69
12/24/2022	19	105	105	68
12/24/2022	20	105	105	65
12/24/2022	21	105	105	63
12/24/2022	22	90	90	61
12/24/2022	23	90	90	59
12/24/2022	24	90	90	57
12/25/2022	1	80	80	51
12/25/2022	2	80	80	50
12/25/2022	3	80	80	48
12/25/2022	4	80	80	47
12/25/2022	5	80	80	47
12/25/2022	6	80	80	46
12/25/2022	7	80	80	47
12/25/2022	8	80	80	48
12/25/2022	9	80	80	49
12/25/2022	10	80	80	50
12/25/2022	11	80	80	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/25/2022	12	80	80	53
12/25/2022	13	80	80	53
12/25/2022	14	80	80	54
12/25/2022	15	80	80	54
12/25/2022	16	80	80	53
12/25/2022	17	80	80	55
12/25/2022	18	113	113	63
12/25/2022	19	113	113	61
12/25/2022	20	113	113	60
12/25/2022	21	88	88	59
12/25/2022	22	80	80	56
12/25/2022	23	80	80	52
12/25/2022	24	80	80	49
12/26/2022	1	80	80	55
12/26/2022	2	80	80	54
12/26/2022	3	80	80	53
12/26/2022	4	80	80	52
12/26/2022	5	80	80	53
12/26/2022	6	80	80	55
12/26/2022	7	80	80	52
12/26/2022	8	80	80	52
12/26/2022	9	80	80	56
12/26/2022	10	90	90	61
12/26/2022	11	100	100	63
12/26/2022	12	100	100	63
12/26/2022	13	100	100	64
12/26/2022	14	100	100	65
12/26/2022	15	100	100	65
12/26/2022	16	100	100	64
12/26/2022	17	100	100	62
12/26/2022	18	115	115	70
12/26/2022	19	110	110	67
12/26/2022	20	106	106	66
12/26/2022	21	105	105	65
12/26/2022	22	90	90	62
12/26/2022	23	90	90	58
12/26/2022	24	90	90	55
12/27/2022	1	80	80	55
12/27/2022	2	80	80	53
12/27/2022	3	80	80	51
12/27/2022	4	80	80	50
12/27/2022	5	80	80	52
12/27/2022	6	80	80	55
12/27/2022	7	80	80	52
12/27/2022	8	80	80	58
12/27/2022	9	100	100	66
12/27/2022	10	115	115	71
12/27/2022	11	129	129	75
12/27/2022	12	123	123	73
12/27/2022	13	123	123	74
12/27/2022	14	135	135	77
12/27/2022	15	135	135	76
12/27/2022	16	123	123	74
12/27/2022	17	123	123	71
12/27/2022	18	135	135	77
12/27/2022	19	123	123	73
12/27/2022	20	123	123	71
12/27/2022	21	123	123	69
12/27/2022	22	98	98	64
12/27/2022	23	90	90	61
12/27/2022	24	90	90	58
12/28/2022	1	60	60	47
12/28/2022	2	60	60	45
12/28/2022	3	60	60	44
12/28/2022	4	60	60	44

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/28/2022	5	60	60	45
12/28/2022	6	60	60	47
12/28/2022	7	60	60	49
12/28/2022	8	80	80	52
12/28/2022	9	80	80	59
12/28/2022	10	83	83	63
12/28/2022	11	90	90	65
12/28/2022	12	95	95	66
12/28/2022	13	95	95	65
12/28/2022	14	95	95	66
12/28/2022	15	95	95	67
12/28/2022	16	95	95	67
12/28/2022	17	95	95	66
12/28/2022	18	100	100	70
12/28/2022	19	95	95	67
12/28/2022	20	95	95	64
12/28/2022	21	80	80	61
12/28/2022	22	70	70	56
12/28/2022	23	70	70	54
12/28/2022	24	70	70	52
12/29/2022	1	60	60	48
12/29/2022	2	60	60	46
12/29/2022	3	60	60	45
12/29/2022	4	60	60	44
12/29/2022	5	60	60	46
12/29/2022	6	60	60	48
12/29/2022	7	70	70	50
12/29/2022	8	80	80	53
12/29/2022	9	80	80	60
12/29/2022	10	90	90	64
12/29/2022	11	90	90	67
12/29/2022	12	90	90	67
12/29/2022	13	90	90	67
12/29/2022	14	95	95	68
12/29/2022	15	95	95	68
12/29/2022	16	95	95	68
12/29/2022	17	95	95	68
12/29/2022	18	103	103	72
12/29/2022	19	95	95	68
12/29/2022	20	90	90	65
12/29/2022	21	90	90	61
12/29/2022	22	70	70	57
12/29/2022	23	70	70	55
12/29/2022	24	70	70	52
12/30/2022	1	55	55	45
12/30/2022	2	55	55	44
12/30/2022	3	55	55	42
12/30/2022	4	55	55	41
12/30/2022	5	55	55	44
12/30/2022	6	60	60	45
12/30/2022	7	60	60	47
12/30/2022	8	60	60	47
12/30/2022	9	76	75	52
12/30/2022	10	118	76	55
12/30/2022	11	90	87	57
12/30/2022	12	91	80	56
12/30/2022	13	91	87	57
12/30/2022	14	92	87	58
12/30/2022	15	93	87	57
12/30/2022	16	90	87	58
12/30/2022	17	100	100	60
12/30/2022	18	100	100	64
12/30/2022	19	100	100	61
12/30/2022	20	100	100	60
12/30/2022	21	100	100	57

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.

**ANNEX I Five Year Historical Hourly Levels of AS requirement for Mindanao**

<b>DELIVERY_DATE</b>	<b>DELIVERY_HOUR</b>	<b>Contingency Reserve</b>	<b>Dispatchable Reserve</b>	<b>Regulating Reserve</b>
12/30/2022	22	87	87	53
12/30/2022	23	80	80	51
12/30/2022	24	67	67	48
12/31/2022	1	80	80	48
12/31/2022	2	80	80	46
12/31/2022	3	80	80	45
12/31/2022	4	80	80	46
12/31/2022	5	80	80	47
12/31/2022	6	80	80	49
12/31/2022	7	80	80	50
12/31/2022	8	80	80	51
12/31/2022	9	80	80	56
12/31/2022	10	121	80	58
12/31/2022	11	93	80	60
12/31/2022	12	95	80	62
12/31/2022	13	94	80	62
12/31/2022	14	95	80	61
12/31/2022	15	96	84	62
12/31/2022	16	93	80	61
12/31/2022	17	94	87	61
12/31/2022	18	98	92	63
12/31/2022	19	98	87	62
12/31/2022	20	97	87	60
12/31/2022	21	96	87	57
12/31/2022	22	94	87	55
12/31/2022	23	80	80	54
12/31/2022	24	80	80	52

Note: Five Year Historical Hourly Levels are based on 2018-2022 Actual AS Levels. Due to unavailability of retrievable data, oldest data retrieved for Mindanao was from January 22, 2019.