

ANNEX L Ten year projected Monthly Levels of AS Requirement for Mindanao

GRID	PERIOD	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Mindanao	Jan-24	99	138	138	25
Mindanao	Feb-24	95	138	138	25
Mindanao	Mar-24	99	138	138	25
Mindanao	Apr-24	101	138	138	25
Mindanao	May-24	103	138	138	25
Mindanao	Jun-24	101	138	138	25
Mindanao	Jul-24	101	138	138	25
Mindanao	Aug-24	101	138	138	25
Mindanao	Sep-24	103	138	138	25
Mindanao	Oct-24	100	138	138	25
Mindanao	Nov-24	98	138	138	25
Mindanao	Dec-24	97	138	138	25
Mindanao	Jan-25	107	138	138	25
Mindanao	Feb-25	103	138	138	25
Mindanao	Mar-25	105	138	138	25
Mindanao	Apr-25	109	138	138	25
Mindanao	May-25	112	138	138	25
Mindanao	Jun-25	111	138	138	25
Mindanao	Jul-25	109	138	138	25
Mindanao	Aug-25	109	138	138	25
Mindanao	Sep-25	111	138	138	25
Mindanao	Oct-25	108	138	138	25
Mindanao	Nov-25	106	138	138	25
Mindanao	Dec-25	105	138	138	25
Mindanao	Jan-26	116	138	138	25
Mindanao	Feb-26	111	138	138	25
Mindanao	Mar-26	114	138	138	25
Mindanao	Apr-26	117	138	138	25
Mindanao	May-26	121	138	138	25
Mindanao	Jun-26	120	138	138	25
Mindanao	Jul-26	118	138	138	25
Mindanao	Aug-26	118	138	138	25
Mindanao	Sep-26	120	138	138	25
Mindanao	Oct-26	116	138	138	25
Mindanao	Nov-26	114	138	138	25
Mindanao	Dec-26	114	138	138	25
Mindanao	Jan-27	125	138	138	25
Mindanao	Feb-27	120	138	138	25
Mindanao	Mar-27	125	138	138	25
Mindanao	Apr-27	127	138	138	25
Mindanao	May-27	130	138	138	25
Mindanao	Jun-27	129	138	138	25
Mindanao	Jul-27	128	138	138	25
Mindanao	Aug-27	127	138	138	25
Mindanao	Sep-27	130	138	138	25
Mindanao	Oct-27	126	138	138	25
Mindanao	Nov-27	124	138	138	25
Mindanao	Dec-27	123	138	138	25
Mindanao	Jan-28	135	138	138	25
Mindanao	Feb-28	130	138	138	25
Mindanao	Mar-28	137	138	138	25
Mindanao	Apr-28	137	138	138	25
Mindanao	May-28	141	138	138	25
Mindanao	Jun-28	138	138	138	25
Mindanao	Jul-28	138	138	138	25
Mindanao	Aug-28	138	138	138	25
Mindanao	Sep-28	141	138	138	25
Mindanao	Oct-28	136	138	138	25
Mindanao	Nov-28	134	138	138	25
Mindanao	Dec-28	133	138	138	25
Mindanao	Jan-29	146	138	138	25
Mindanao	Feb-29	141	138	138	25
Mindanao	Mar-29	146	138	138	25
Mindanao	Apr-29	149	138	138	25
Mindanao	May-29	153	138	138	25
Mindanao	Jun-29	149	138	138	25
Mindanao	Jul-29	149	138	138	25
Mindanao	Aug-29	149	138	138	25
Mindanao	Sep-29	152	138	138	25
Mindanao	Oct-29	147	138	138	25
Mindanao	Nov-29	145	138	138	25
Mindanao	Dec-29	144	138	138	25
Mindanao	Jan-30	159	138	138	25
Mindanao	Feb-30	153	138	138	25
Mindanao	Mar-30	160	138	138	25
Mindanao	Apr-30	161	138	138	25

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

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GRID	PERIOD	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Mindanao	May-30	166	138	138	25
Mindanao	Jun-30	162	138	138	25
Mindanao	Jul-30	162	138	138	25
Mindanao	Aug-30	162	138	138	25
Mindanao	Sep-30	165	138	138	25
Mindanao	Oct-30	160	138	138	25
Mindanao	Nov-30	157	138	138	25
Mindanao	Dec-30	156	138	138	25
Mindanao	Jan-31	172	138	138	25
Mindanao	Feb-31	166	138	138	25
Mindanao	Mar-31	168	138	138	25
Mindanao	Apr-31	174	138	138	25
Mindanao	May-31	179	138	138	25
Mindanao	Jun-31	178	138	138	25
Mindanao	Jul-31	175	138	138	25
Mindanao	Aug-31	175	138	138	25
Mindanao	Sep-31	179	138	138	25
Mindanao	Oct-31	173	138	138	25
Mindanao	Nov-31	170	138	138	25
Mindanao	Dec-31	169	138	138	25
Mindanao	Jan-32	186	138	138	25
Mindanao	Feb-32	179	138	138	25
Mindanao	Mar-32	186	138	138	25
Mindanao	Apr-32	189	138	138	25
Mindanao	May-32	194	138	138	25
Mindanao	Jun-32	192	138	138	25
Mindanao	Jul-32	190	138	138	25
Mindanao	Aug-32	189	138	138	25
Mindanao	Sep-32	193	138	138	25
Mindanao	Oct-32	187	138	138	25
Mindanao	Nov-32	184	138	138	25
Mindanao	Dec-32	183	138	138	25
Mindanao	Jan-33	201	138	138	25
Mindanao	Feb-33	193	138	138	25
Mindanao	Mar-33	203	138	138	25
Mindanao	Apr-33	204	138	138	25
Mindanao	May-33	209	138	138	25
Mindanao	Jun-33	208	138	138	25
Mindanao	Jul-33	205	138	138	25
Mindanao	Aug-33	204	138	138	25
Mindanao	Sep-33	209	138	138	25
Mindanao	Oct-33	202	138	138	25
Mindanao	Nov-33	198	138	138	25
Mindanao	Dec-33	197	138	138	25

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