

ANNEX L Ten Year Projected Monthly Levels of AS Requirements for Mindanao

GRID	PERIOD	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Mindanao	Jan-25	97	138	138	25
Mindanao	Feb-25	98	138	138	25
Mindanao	Mar-25	101	138	138	25
Mindanao	Apr-25	109	138	138	25
Mindanao	May-25	111	138	138	25
Mindanao	Jun-25	103	138	138	25
Mindanao	Jul-25	108	138	138	25
Mindanao	Aug-25	106	138	138	25
Mindanao	Sep-25	107	138	138	25
Mindanao	Oct-25	110	138	138	25
Mindanao	Nov-25	110	138	138	25
Mindanao	Dec-25	112	138	138	25
Mindanao	Jan-26	102	138	138	25
Mindanao	Feb-26	106	138	138	25
Mindanao	Mar-26	109	138	138	25
Mindanao	Apr-26	118	138	138	25
Mindanao	May-26	120	138	138	25
Mindanao	Jun-26	115	138	138	25
Mindanao	Jul-26	113	138	138	25
Mindanao	Aug-26	117	138	138	25
Mindanao	Sep-26	115	138	138	25
Mindanao	Oct-26	119	138	138	25
Mindanao	Nov-26	118	138	138	25
Mindanao	Dec-26	121	138	138	25
Mindanao	Jan-27	110	138	138	25
Mindanao	Feb-27	113	138	138	25
Mindanao	Mar-27	117	138	138	25
Mindanao	Apr-27	128	138	138	25
Mindanao	May-27	129	138	138	25
Mindanao	Jun-27	125	138	138	25
Mindanao	Jul-27	123	138	138	25
Mindanao	Aug-27	126	138	138	25
Mindanao	Sep-27	124	138	138	25
Mindanao	Oct-27	128	138	138	25
Mindanao	Nov-27	128	138	138	25
Mindanao	Dec-27	130	138	138	25
Mindanao	Jan-28	119	138	138	25
Mindanao	Feb-28	124	138	138	25
Mindanao	Mar-28	127	138	138	25
Mindanao	Apr-28	138	138	138	25
Mindanao	May-28	140	138	138	25
Mindanao	Jun-28	135	138	138	25
Mindanao	Jul-28	137	138	138	25
Mindanao	Aug-28	135	138	138	25
Mindanao	Sep-28	134	138	138	25
Mindanao	Oct-28	139	138	138	25
Mindanao	Nov-28	139	138	138	25
Mindanao	Dec-28	141	138	138	25
Mindanao	Jan-29	129	138	138	25
Mindanao	Feb-29	134	138	138	25
Mindanao	Mar-29	138	138	138	25
Mindanao	Apr-29	149	138	138	25
Mindanao	May-29	152	138	138	25
Mindanao	Jun-29	141	138	138	25
Mindanao	Jul-29	148	138	138	25
Mindanao	Aug-29	147	138	138	25
Mindanao	Sep-29	145	138	138	25
Mindanao	Oct-29	150	138	138	25
Mindanao	Nov-29	150	138	138	25
Mindanao	Dec-29	153	138	138	25
Mindanao	Jan-30	144	138	138	25
Mindanao	Feb-30	145	138	138	25
Mindanao	Mar-30	149	138	138	25
Mindanao	Apr-30	162	138	138	25
Mindanao	May-30	164	138	138	25
Mindanao	Jun-30	153	138	138	25
Mindanao	Jul-30	160	138	138	25
Mindanao	Aug-30	158	138	138	25
Mindanao	Sep-30	157	138	138	25
Mindanao	Oct-30	163	138	138	25
Mindanao	Nov-30	163	138	138	25
Mindanao	Dec-30	166	138	138	25
Mindanao	Jan-31	155	138	138	25
Mindanao	Feb-31	157	138	138	25
Mindanao	Mar-31	162	138	138	25
Mindanao	Apr-31	175	138	138	25
Mindanao	May-31	178	138	138	25
Mindanao	Jun-31	165	138	138	25

Ten-year projected monthly AS Levels are based on the maximum value of RR, CR, and DR. RR Requirement is equivalent to the of the 4% Demand Projection, based on Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas and Mindanao Grids, dated August 24, 2020. CR and DR are based on Net Capacity of the projected highest and second highest generating unit, respectively, for succeeding years.

ANNEX L Ten Year Projected Monthly Levels of AS Requirements for Mindanao

GRID	PERIOD	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Mindanao	Jul-31	174	138	138	25
Mindanao	Aug-31	171	138	138	25
Mindanao	Sep-31	172	138	138	25
Mindanao	Oct-31	176	138	138	25
Mindanao	Nov-31	176	138	138	25
Mindanao	Dec-31	179	138	138	25
Mindanao	Jan-32	163	138	138	25
Mindanao	Feb-32	170	138	138	25
Mindanao	Mar-32	174	138	138	25
Mindanao	Apr-32	190	138	138	25
Mindanao	May-32	192	138	138	25
Mindanao	Jun-32	185	138	138	25
Mindanao	Jul-32	182	138	138	25
Mindanao	Aug-32	188	138	138	25
Mindanao	Sep-32	184	138	138	25
Mindanao	Oct-32	191	138	138	25
Mindanao	Nov-32	190	138	138	25
Mindanao	Dec-32	194	138	138	25
Mindanao	Jan-33	176	138	138	25
Mindanao	Feb-33	184	138	138	25
Mindanao	Mar-33	188	138	138	25
Mindanao	Apr-33	205	138	138	25
Mindanao	May-33	208	138	138	25
Mindanao	Jun-33	200	138	138	25
Mindanao	Jul-33	197	138	138	25
Mindanao	Aug-33	203	138	138	25
Mindanao	Sep-33	199	138	138	25
Mindanao	Oct-33	206	138	138	25
Mindanao	Nov-33	206	138	138	25
Mindanao	Dec-33	209	138	138	25

Ten-year projected monthly AS Levels are based on the maximum value of RR, CR, and DR. RR Requirement is equivalent to the of the 4% Demand Projection, based on Plexos Profiles using DOE's 2020-2040 Annual Peak Demand Forecast for Luzon, Visayas and Mindanao Grids, dated August 24, 2020. CR and DR are based on Net Capacity of the projected highest and second-highest generating unit, respectively, for succeeding years.