

ANNEX G Ten Year Projected Monthly Levels of AS Requirements for Luzon

GRID	PERIOD	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Luzon	Jan-25	473	668	668	50
Luzon	Feb-25	477	668	668	50
Luzon	Mar-25	547	668	668	50
Luzon	Apr-25	579	668	668	50
Luzon	May-25	588	668	668	50
Luzon	Jun-25	583	668	668	50
Luzon	Jul-25	591	668	668	50
Luzon	Aug-25	573	668	668	50
Luzon	Sep-25	568	668	668	50
Luzon	Oct-25	547	668	668	50
Luzon	Nov-25	553	668	668	50
Luzon	Dec-25	540	668	668	50
Luzon	Jan-26	482	668	668	50
Luzon	Feb-26	507	668	668	50
Luzon	Mar-26	579	668	668	50
Luzon	Apr-26	611	668	668	50
Luzon	May-26	624	668	668	50
Luzon	Jun-26	619	668	668	50
Luzon	Jul-26	627	668	668	50
Luzon	Aug-26	608	668	668	50
Luzon	Sep-26	604	668	668	50
Luzon	Oct-26	585	668	668	50
Luzon	Nov-26	587	668	668	50
Luzon	Dec-26	573	668	668	50
Luzon	Jan-27	511	668	668	50
Luzon	Feb-27	539	668	668	50
Luzon	Mar-27	615	668	668	50
Luzon	Apr-27	649	668	668	50
Luzon	May-27	664	668	668	50
Luzon	Jun-27	657	668	668	50
Luzon	Jul-27	667	668	668	50
Luzon	Aug-27	646	668	668	50
Luzon	Sep-27	641	668	668	50
Luzon	Oct-27	619	668	668	50
Luzon	Nov-27	624	668	668	50
Luzon	Dec-27	606	668	668	50
Luzon	Jan-28	543	668	668	50
Luzon	Feb-28	572	668	668	50
Luzon	Mar-28	656	668	668	50
Luzon	Apr-28	690	668	668	50
Luzon	May-28	706	668	668	50
Luzon	Jun-28	699	668	668	50
Luzon	Jul-28	709	668	668	50
Luzon	Aug-28	687	668	668	50
Luzon	Sep-28	682	668	668	50
Luzon	Oct-28	657	668	668	50
Luzon	Nov-28	664	668	668	50
Luzon	Dec-28	648	668	668	50
Luzon	Jan-29	578	668	668	50
Luzon	Feb-29	609	668	668	50
Luzon	Mar-29	695	668	668	50
Luzon	Apr-29	735	668	668	50
Luzon	May-29	751	668	668	50
Luzon	Jun-29	744	668	668	50
Luzon	Jul-29	754	668	668	50
Luzon	Aug-29	731	668	668	50
Luzon	Sep-29	726	668	668	50
Luzon	Oct-29	699	668	668	50
Luzon	Nov-29	706	668	668	50
Luzon	Dec-29	689	668	668	50
Luzon	Jan-30	643	668	668	50
Luzon	Feb-30	649	668	668	50
Luzon	Mar-30	743	668	668	50
Luzon	Apr-30	787	668	668	50
Luzon	May-30	799	668	668	50
Luzon	Jun-30	792	668	668	50
Luzon	Jul-30	803	668	668	50
Luzon	Aug-30	778	668	668	50
Luzon	Sep-30	772	668	668	50
Luzon	Oct-30	744	668	668	50
Luzon	Nov-30	752	668	668	50
Luzon	Dec-30	734	668	668	50
Luzon	Jan-31	684	668	668	50
Luzon	Feb-31	690	668	668	50
Luzon	Mar-31	791	668	668	50
Luzon	Apr-31	837	668	668	50

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.

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GRID	PERIOD	REGULATING RESERVE (MW)	CONTINGENCY RESERVE (MW)	DISPATCHABLE RESERVE (MW)	BLACK START (Min MW per Restoration Highway)
Luzon	May-31	850	668	668	50
Luzon	Jun-31	842	668	668	50
Luzon	Jul-31	854	668	668	50
Luzon	Aug-31	828	668	668	50
Luzon	Sep-31	822	668	668	50
Luzon	Oct-31	791	668	668	50
Luzon	Nov-31	800	668	668	50
Luzon	Dec-31	780	668	668	50
Luzon	Jan-32	695	668	668	50
Luzon	Feb-32	733	668	668	50
Luzon	Mar-32	837	668	668	50
Luzon	Apr-32	884	668	668	50
Luzon	May-32	904	668	668	50
Luzon	Jun-32	895	668	668	50
Luzon	Jul-32	908	668	668	50
Luzon	Aug-32	880	668	668	50
Luzon	Sep-32	873	668	668	50
Luzon	Oct-32	843	668	668	50
Luzon	Nov-32	850	668	668	50
Luzon	Dec-32	824	668	668	50
Luzon	Jan-33	738	668	668	50
Luzon	Feb-33	778	668	668	50
Luzon	Mar-33	892	668	668	50
Luzon	Apr-33	939	668	668	50
Luzon	May-33	960	668	668	50
Luzon	Jun-33	951	668	668	50
Luzon	Jul-33	964	668	668	50
Luzon	Aug-33	934	668	668	50
Luzon	Sep-33	928	668	668	50
Luzon	Oct-33	893	668	668	50
Luzon	Nov-33	903	668	668	50
Luzon	Dec-33	881	668	668	50

ANNEX H 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

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ANNEX H 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