

## 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-24	453	668	668	50
Luzon	Feb-24	480	668	668	50
Luzon	Mar-24	537	668	668	50
Luzon	Apr-24	536	668	668	50
Luzon	May-24	557	668	668	50
Luzon	Jun-24	547	668	668	50
Luzon	Jul-24	521	668	668	50
Luzon	Aug-24	498	668	668	50
Luzon	Sep-24	527	668	668	50
Luzon	Oct-24	521	668	668	50
Luzon	Nov-24	506	668	668	50
Luzon	Dec-24	489	668	668	50
Luzon	Jan-25	481	668	668	50
Luzon	Feb-25	510	668	668	50
Luzon	Mar-25	570	668	668	50
Luzon	Apr-25	569	668	668	50
Luzon	May-25	591	668	668	50
Luzon	Jun-25	581	668	668	50
Luzon	Jul-25	553	668	668	50
Luzon	Aug-25	535	668	668	50
Luzon	Sep-25	559	668	668	50
Luzon	Oct-25	553	668	668	50
Luzon	Nov-25	538	668	668	50
Luzon	Dec-25	531	668	668	50
Luzon	Jan-26	511	668	668	50
Luzon	Feb-26	542	668	668	50
Luzon	Mar-26	605	668	668	50
Luzon	Apr-26	604	668	668	50
Luzon	May-26	627	668	668	50
Luzon	Jun-26	613	668	668	50
Luzon	Jul-26	587	668	668	50
Luzon	Aug-26	566	668	668	50
Luzon	Sep-26	594	668	668	50
Luzon	Oct-26	587	668	668	50
Luzon	Nov-26	571	668	668	50
Luzon	Dec-26	564	668	668	50
Luzon	Jan-27	543	668	668	50
Luzon	Feb-27	576	668	668	50
Luzon	Mar-27	643	668	668	50
Luzon	Apr-27	642	668	668	50
Luzon	May-27	667	668	668	50
Luzon	Jun-27	655	668	668	50
Luzon	Jul-27	624	668	668	50
Luzon	Aug-27	602	668	668	50
Luzon	Sep-27	631	668	668	50
Luzon	Oct-27	623	668	668	50
Luzon	Nov-27	607	668	668	50
Luzon	Dec-27	586	668	668	50
Luzon	Jan-28	577	668	668	50
Luzon	Feb-28	596	668	668	50
Luzon	Mar-28	684	668	668	50
Luzon	Apr-28	683	668	668	50
Luzon	May-28	709	668	668	50
Luzon	Jun-28	697	668	668	50
Luzon	Jul-28	663	668	668	50
Luzon	Aug-28	640	668	668	50
Luzon	Sep-28	671	668	668	50
Luzon	Oct-28	663	668	668	50
Luzon	Nov-28	645	668	668	50
Luzon	Dec-28	623	668	668	50
Luzon	Jan-29	614	668	668	50
Luzon	Feb-29	639	668	668	50
Luzon	Mar-29	728	668	668	50
Luzon	Apr-29	726	668	668	50
Luzon	May-29	754	668	668	50
Luzon	Jun-29	741	668	668	50
Luzon	Jul-29	705	668	668	50
Luzon	Aug-29	681	668	668	50
Luzon	Sep-29	714	668	668	50
Luzon	Oct-29	705	668	668	50
Luzon	Nov-29	686	668	668	50
Luzon	Dec-29	663	668	668	50
Luzon	Jan-30	654	668	668	50
Luzon	Feb-30	693	668	668	50
Luzon	Mar-30	775	668	668	50
Luzon	Apr-30	773	668	668	50

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)
Luzon	May-30	803	668	668	50
Luzon	Jun-30	789	668	668	50
Luzon	Jul-30	751	668	668	50
Luzon	Aug-30	718	668	668	50
Luzon	Sep-30	760	668	668	50
Luzon	Oct-30	751	668	668	50
Luzon	Nov-30	730	668	668	50
Luzon	Dec-30	706	668	668	50
Luzon	Jan-31	695	668	668	50
Luzon	Feb-31	737	668	668	50
Luzon	Mar-31	824	668	668	50
Luzon	Apr-31	822	668	668	50
Luzon	May-31	854	668	668	50
Luzon	Jun-31	840	668	668	50
Luzon	Jul-31	799	668	668	50
Luzon	Aug-31	773	668	668	50
Luzon	Sep-31	809	668	668	50
Luzon	Oct-31	799	668	668	50
Luzon	Nov-31	777	668	668	50
Luzon	Dec-31	767	668	668	50
Luzon	Jan-32	738	668	668	50
Luzon	Feb-32	783	668	668	50
Luzon	Mar-32	876	668	668	50
Luzon	Apr-32	874	668	668	50
Luzon	May-32	908	668	668	50
Luzon	Jun-32	893	668	668	50
Luzon	Jul-32	849	668	668	50
Luzon	Aug-32	819	668	668	50
Luzon	Sep-32	860	668	668	50
Luzon	Oct-32	849	668	668	50
Luzon	Nov-32	826	668	668	50
Luzon	Dec-32	798	668	668	50
Luzon	Jan-33	785	668	668	50
Luzon	Feb-33	795	668	668	50
Luzon	Mar-33	931	668	668	50
Luzon	Apr-33	928	668	668	50
Luzon	May-33	964	668	668	50
Luzon	Jun-33	948	668	668	50
Luzon	Jul-33	902	668	668	50
Luzon	Aug-33	870	668	668	50
Luzon	Sep-33	913	668	668	50
Luzon	Oct-33	902	668	668	50
Luzon	Nov-33	877	668	668	50
Luzon	Dec-33	847	668	668	50

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.