


**PROPOSED TOTAL
CUMULATIVE SOLAR PV
TARGETS FOR NET ENERGY
METERING (NEM) AND
QUANTIFICATION OF COST/
BENEFITS**

Year	Forecast PV Capacity (MW)	PV Cumulative Capacity(MW)	Forecast PV market Size(mil, RM)	Forecast Maintenance (mil, RM)	GST (mil, RM)-6%	Corporate Tax (mil, RM)	ITA Reduction (mil,RM)
2016	150	150	975.00	-	58.50	11.70	234.00
2017	195	345	1,170.00	-	70.20	14.04	280.80
2018	254	599	1,394.25	-	83.66	16.73	334.62
2019	330	928	1,713.66	59.85	106.41	22.00	411.28
2020	428	1,356	2,142.08	92.81	134.09	27.93	514.10
2021	557	1,913	2,784.70	142.43	175.63	36.83	-
2022	724	2,637	3,620.11	200.91	229.26	48.26	-
2023	941	3,579	4,706.14	290.78	299.81	63.45	-
2024	1224	4,802	6,362.70	394.55	405.43	85.82	-
2025	1591	6,393	8,430.58	555.92	539.19	114.51	-
2026	1750	8,143	9,273.63	740.06	600.82	129.05	-
2027	1925	10,067	10,585.94	989.75	694.54	150.79	-
2028	2117	12,185	11,644.54	1,223.70	772.09	169.10	-
2029	2329	14,513	13,041.88	1,555.09	875.82	193.82	-
2030	2562	17,075	14,346.07	1,852.33	971.90	216.61	-
Total			92,191.26	8,098.16	6,017.37	1,300.65	1,774.80

Forego **1.775 Billion** over 5years (ITA),
Gain **15.415 Billion** over 15 years
(GST & Corporate Tax)

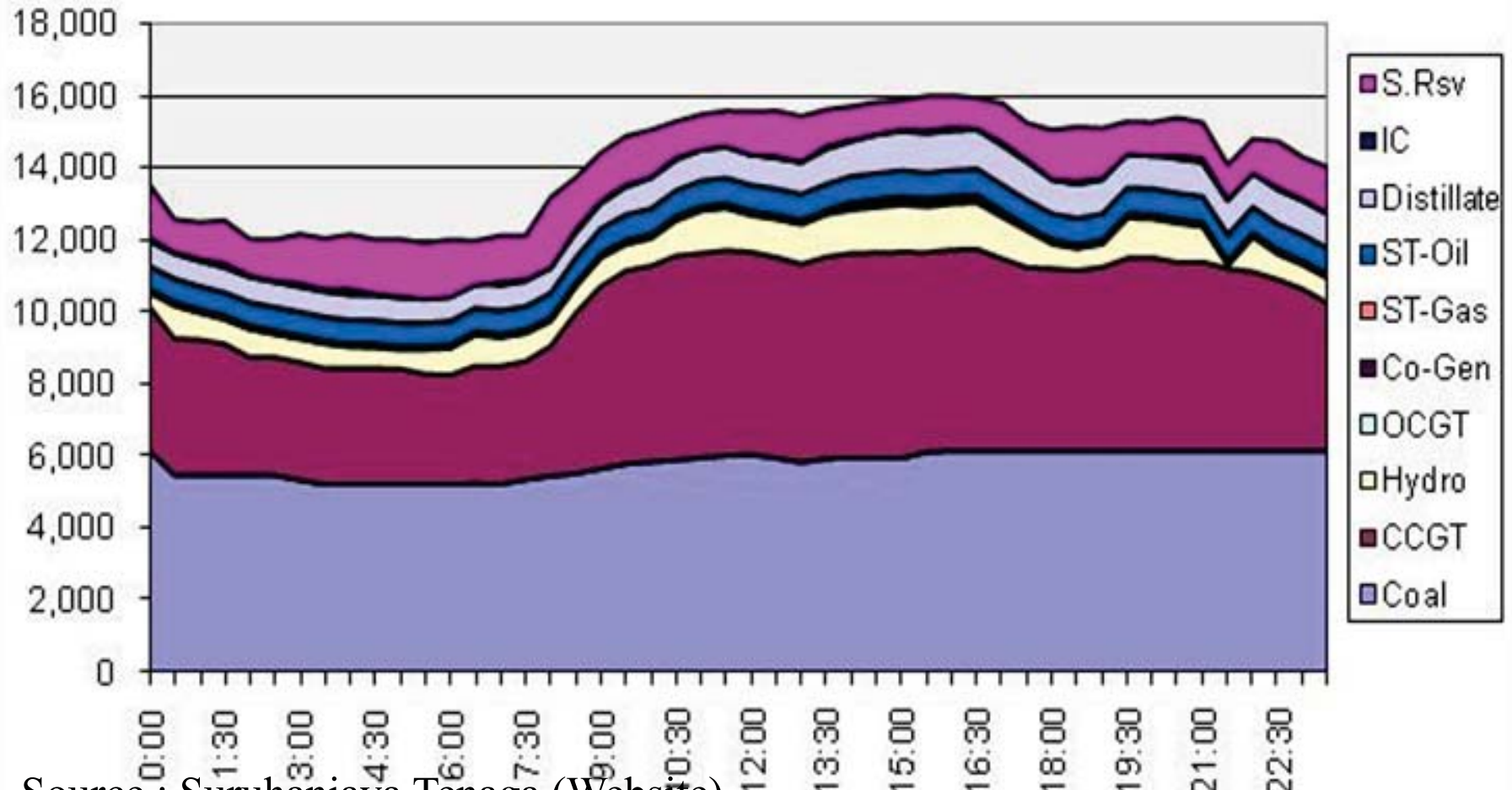
Cost/Benefits of Net Energy Metering Program (2016-2030)





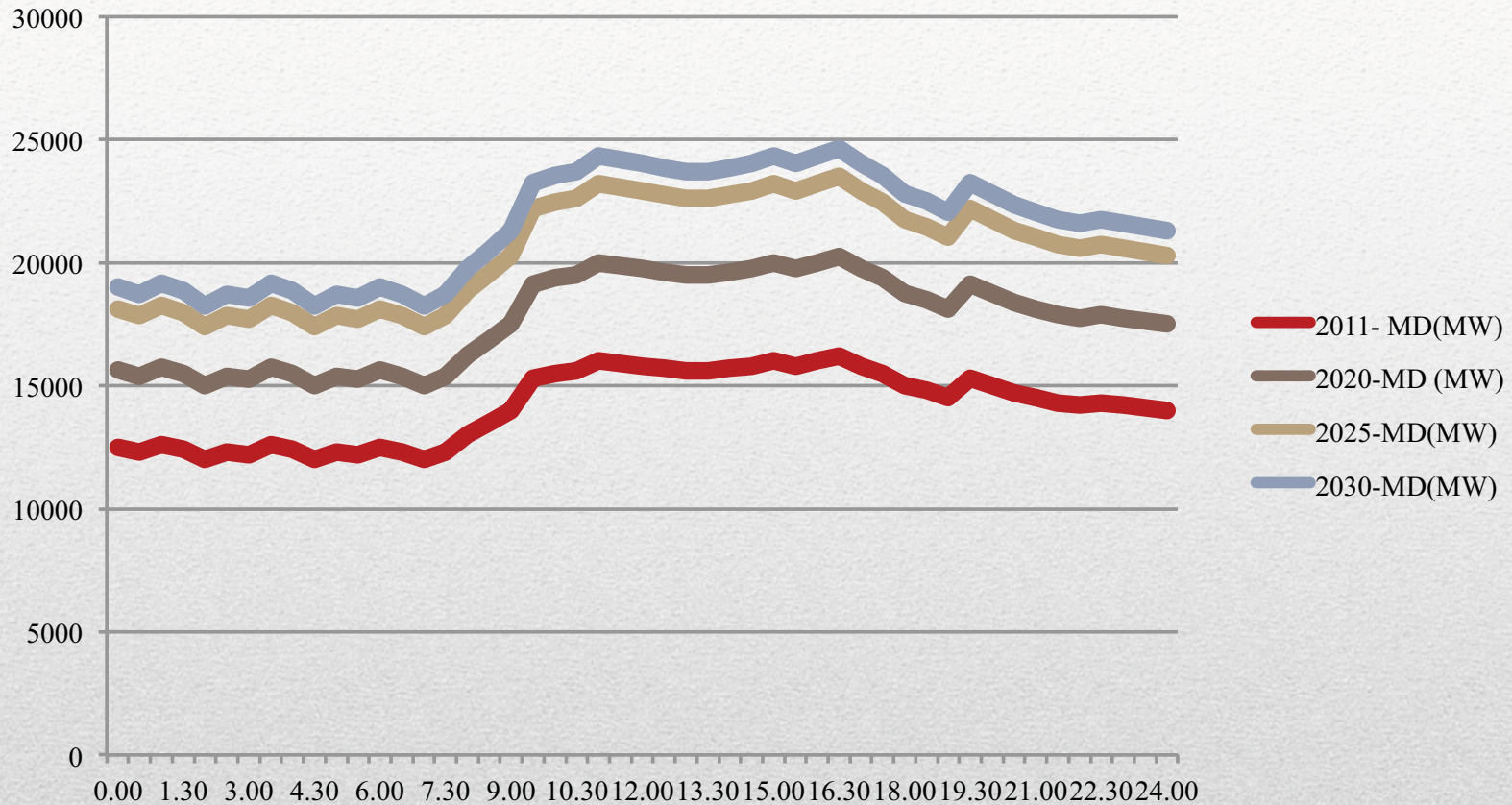
IMPACTS OF PROPOSED SOLAR PV CUMULATIVE CAPACITY TARGETS ON NATIONAL ELECTRICITY LOAD PROFILES

13 OCTOBER 2011 (THURSDAY)

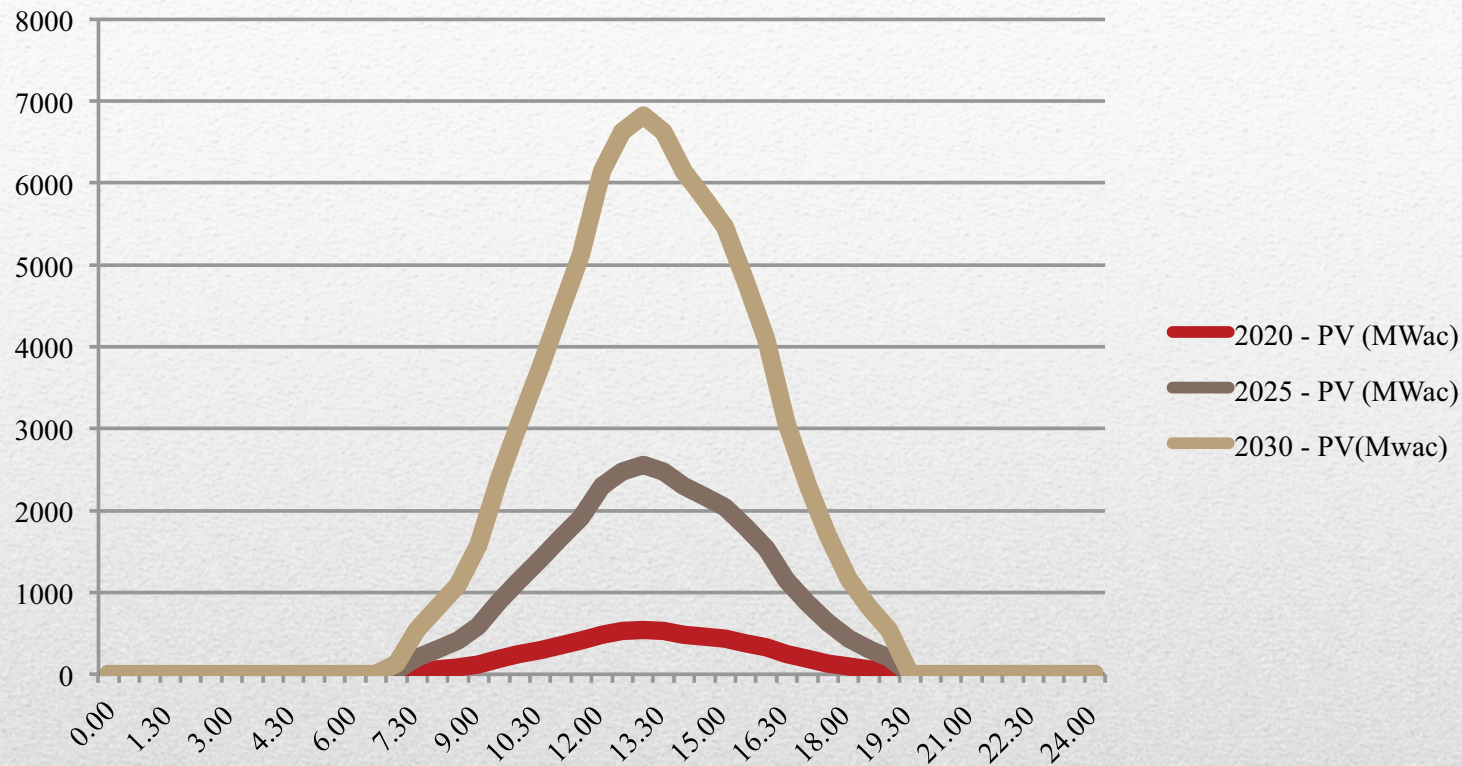


Source : Suruhanjaya Tenaga (Website)

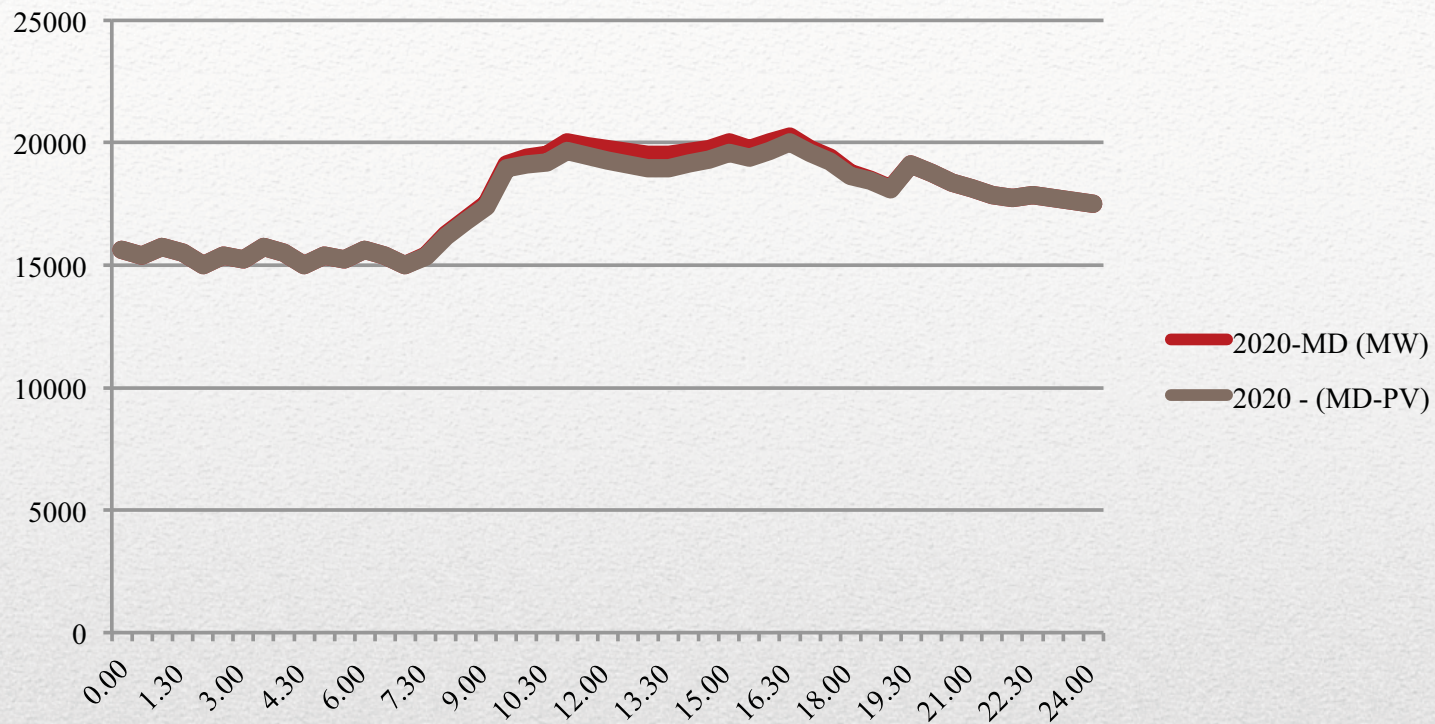
Daily Load Profile (Thursday 2011)



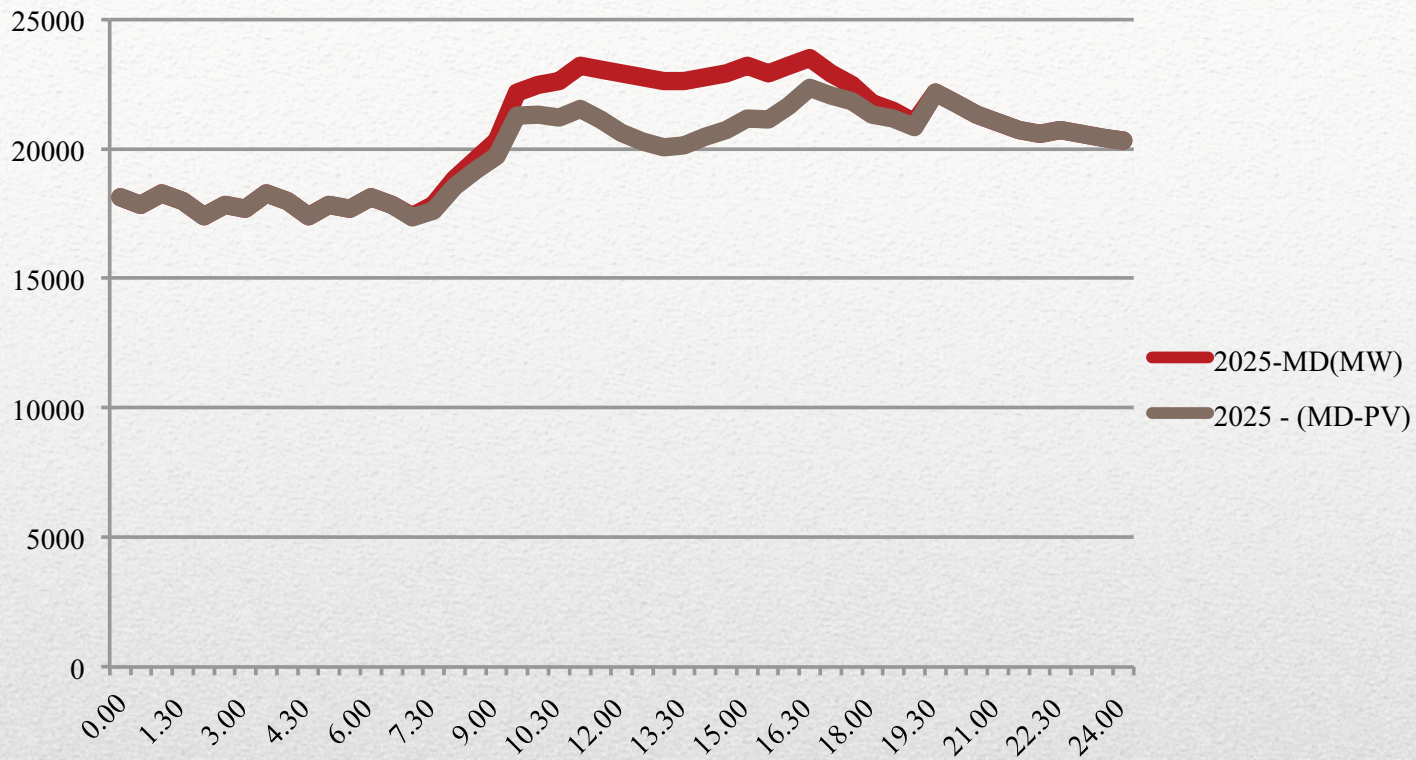
Simulation Forecast of Daily Load Profile (Thursday) For Yr: 2020, 2025 & 2030



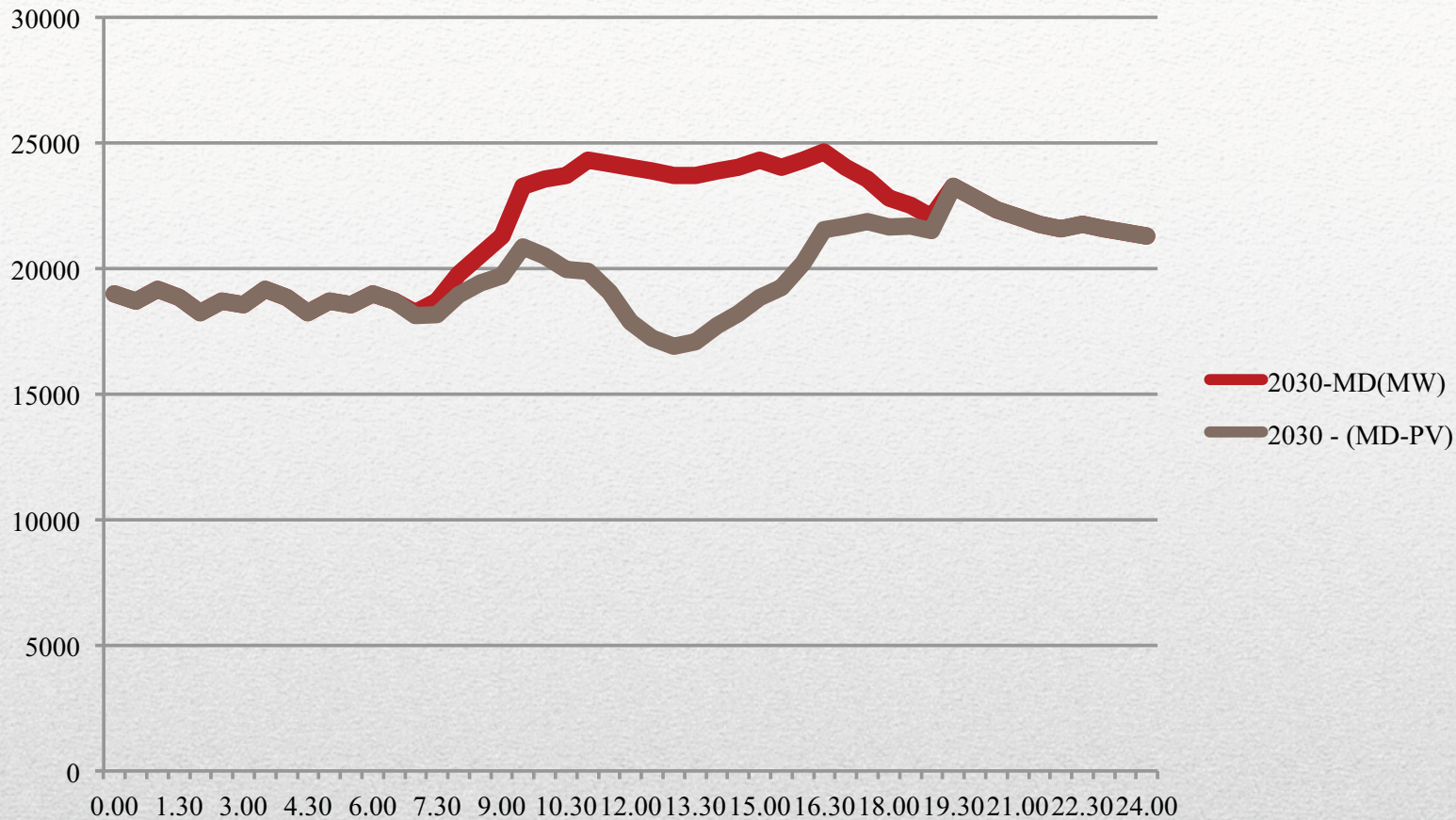
Simulation Forecast of Daily Solar PV Generation (Thursday) – For Yr: 2020, 2025 & 2030



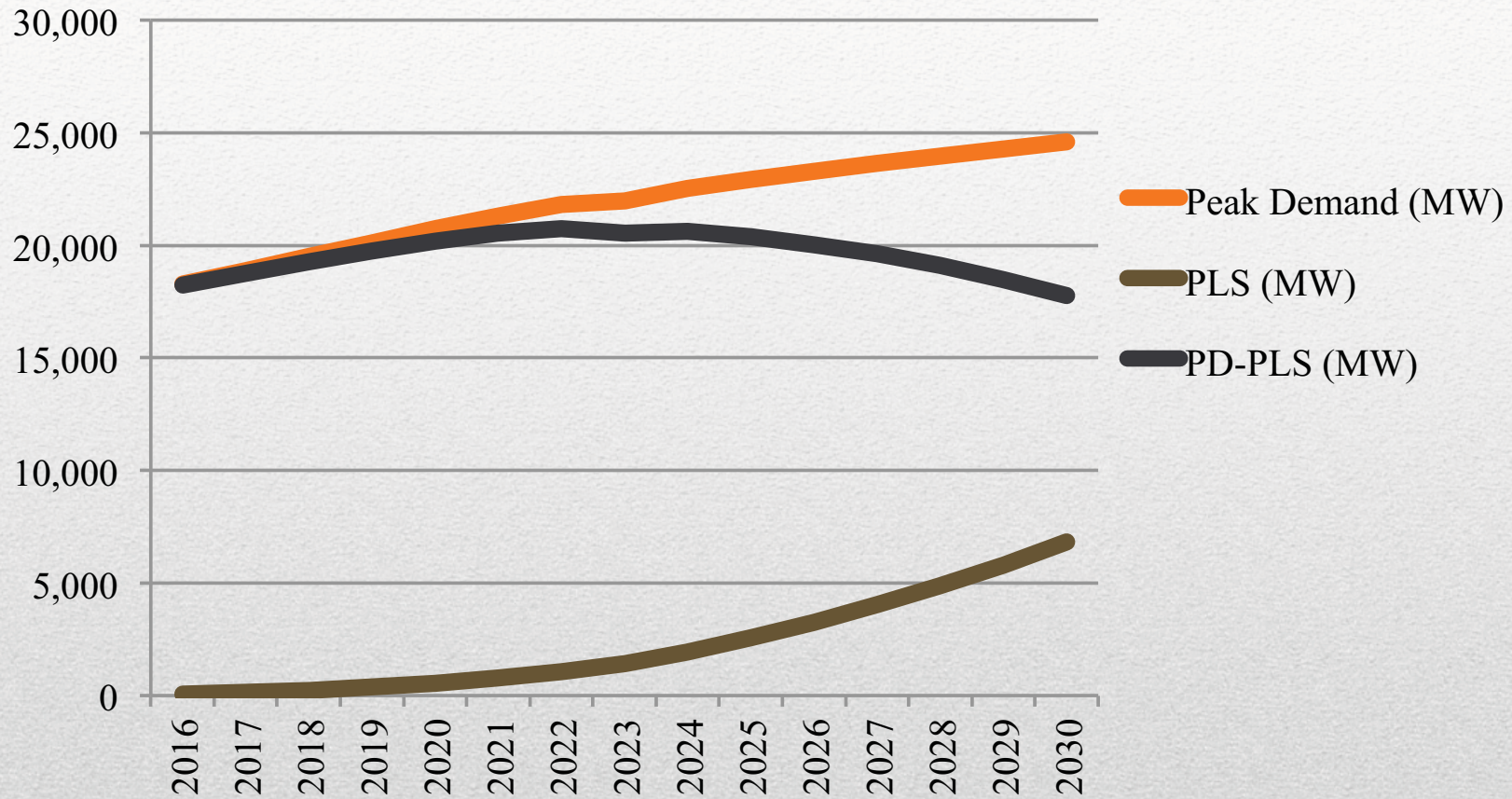
Simulation of Impact of Solar PV Generation on Daily Maximum Demand Curve For Year 2020.



Simulation of The Impact of Solar PV Generation on Daily Maximum Demand Curve for Year 2025.



Simulation of The Impact of Solar PV Generation on Daily Maximum Demand Curve For Year 2030



Nation Peak Demand Load Under NEM Program (2016-2030)