Applying the CPUC's guidance, PG&E's distribution planning engineers used the following methodology to update their earlier forecast. Using LoadSEER, they began with the 2016 adopted IEPR Update, which incorporated the mid-case of the 2015 DER forecast and substantially lower values for photovoltaic generation in the Paso Robles area than PG&E had previously utilized. They then added recent public data on planned new load, as listed in Table 6A. (*See* Table 6A, Section III.C below.) The adjustments included an annual load adjustment for loss of the largest distributed generator on line at the time of the DPA peak to account for the worst-case N-1 contingency for the potential loss of this generation source. PG&E engineers then re-ran the LoadSEER forecast with the adjustments. The resulting LoadSEER forecast is shown in Figure 5.<sup>5</sup> Table 3 provides a breakdown of the Updated LoadSEER Forecast, and Table 4 provides a detailed load forecast by substation.

Description of Forecast		Forecasted Load (MW)									
	orecast	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Available Capacity		212.55	212.55	212.55	212.55	212.55	212.55	212.55	212.55	212.55	212.55
LoadSEER Forecast		207.60	207.59	207.73	208.24	209.15	210.75	211.74	213.37	214.74	216.85
D Paso Robles DPA Load Forecast (MW) Characteristic Available Paso Robles DPA Capacity (MW)											
	cription of F	Paso Robi Load Fo Available DPA Cap	cription of Forecast 2017 De Capacity 212.55 ER Forecast 207.60 ← Paso Robles DPA Load Forecast (N ← Available Paso Ro DPA Capacity (N	Paso Robles DPA Load Forecast (MW)       Available Paso Robles DPA Capacity (MW)	cription of Forecast 2017 2018 2019 2019 212.55 212.55 212.55 212.55 212.55 212.55 207.60 207.59 207.73 Control Control	cription of Forecast 2017 2018 2019 2020 Dele Capacity 212.55 212.55 212.55 212.55 EER Forecast 207.60 207.59 207.73 208.24 Paso Robles DPA Load Forecast (MW) Available Paso Robles DPA Capacity (MW)	cription of Forecast 2017 2018 2019 2020 2021 Dele Capacity 212.55 212.55 212.55 212.55 212.55 ERE Forecast 207.60 207.59 207.73 208.24 209.15 → Paso Robles DPA Load Forecast (MW) Available Paso Robles DPA Capacity (MW) Interval 10 Interval 10 Int	Forecasted Load (MW)           2017         2018         2019         2020         2021         2022           ble Capacity         212.55         210.75         210.75         210.75         <	Cription of Forecast         2017         2018         2019         2020         2021         2022         2023           ble Capacity         212.55	Arriphion of Forecast         2017         2018         2019         2020         2021         2022         2023         2024           ble Capacity         212.55         213.37	Forecast       Forecast (MW)         2017       2018       2019       2020       2021       2022       2023       2024       2025         ble Capacity       212.55 <t< td=""></t<>

## Figure 5. Updated LoadSEER Forecast, Paso Robles DPA

2019

2018

2020

210

205

2017

substation.)

2022

2023

2024

2025

2026

2021

<sup>&</sup>lt;sup>5</sup> Note that, other than the N-1 contingency described above, PG&E planning engineers included no further negative adjustments to the LoadSEER forecast for solar generation as part of the adjustments made for the 2016 IEPR forecast. Most solar is already accounted for in the IEPR forecast, so only an unusually large new distribution solar project would merit inclusion. Moreover, the peak demand in the area has gradually moved from 4 or 5 p.m. to 5 or 6 p.m. over the last 10 years. In fact, the 2016 DPA peak occurred at 7 p.m. in late June, when the contribution of solar generation was only 2% of its maximum noon-time output. As peak shifts to later hours, the contribution of solar generation at the time of DPA peak becomes more and more negligible. Battery storage could potentially extend solar power's hours of operation, although PG&E is not aware of any plans for solar battery storage. (*See* Section V.D.3 for a discussion of solar battery storage as an alternative to a distribution