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Form 6. Incremental Demand-Side Program Methodology

I. Efficiency Program Impacts

The City of Anaheim, Public Utilities Department's (APU) forecast for energy efficiency was developed by Navigant Consulting (NCPA) as part of the statewide Energy Efficiency Potential Forecast for California's Publicly Owned Utilities. APU incorporated the SB1037 Report and AB2021 Report submitted to the CEC by NCPA in March of 2017, entitled "Energy Efficiency in California's Public Power Sector", 11th Edition - 2017. The Reports can be accessed at the following location: http://www.ncpa.com/wp-content/uploads/2015/02/2017_POU_EE_Reportv2.pdf

The customer class forecast located in Form 1 includes the estimated reduced consumption as forecasted in the NCPA report. The city applies the following methodology to our system load forecast (as detailed in Form 4):

- a) System load econometric results – 3.5% distribution loss = Net Load
- b) Net Load x Customer Class Percentages = Average Class Proportions
- c) Average Class Proportions – Energy Efficiency** = Customer Class Forecast

** In addition to energy efficiency estimates, we adjust the customer class forecast for other anticipated changes to load such as solar installation or planned construction projects. A list of current anticipated projects is included in Table 4 on Form 4.

II. Demand Response Program Impacts

At this time, APU does not include the impacts of future demand programs in its peak load and energy forecast. APU expects to launch a one-year pilot residential demand response program in the third quarter of 2017 that will be based on behavioral demand response. APU plans on calling events and sending dispatch signals to enrolled customers based on criteria such as high wholesale energy prices, CAISO Alert or Warning notices, system emergencies, and extreme or unexpected weather conditions. Events are limited to non-holiday weekdays, and the total number of events is capped during the program duration. Enrolled customers have the freedom to reduce energy consumption however they wish during the event hours. During the pilot period, APU will assess enrollment, customer participation, and actual performance during program events. Based on the outcome of the pilot program, APU will evaluate the feasibility of an expanded demand response program and may determine appropriate estimates of peak impacts for the 2019 IEPR.

III. Renewable and Distributed Generation Program Impacts

APU gathers local private supply data including fuel cell and photovoltaic installation capacity data from SB-1 and City permit applications. Energy is estimated by capacity size and a capacity factor of 18-30%. This data is reported on forms 1.7a and 1.7c. APU applies a linear trend of historical installation to forecast growth, and reduces the forecasted growth rate from the consumption forecasts in the same fashion as energy efficiency.