

**DOCKETED**

<b>Docket Number:</b>	21-IEPR-03
<b>Project Title:</b>	Electricity and Natural Gas Demand Forecast
<b>TN #:</b>	238583
<b>Document Title:</b>	Central Coast Clean Energy IEPR Form 4 Narrative
<b>Description:</b>	N/A
<b>Filer:</b>	Christopher Matos
<b>Organization:</b>	Central Coast Community Energy
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	6/30/2021 1:40:13 PM
<b>Docketed Date:</b>	6/30/2021



June 30, 2021

**VIA EMAIL AND U.S. MAIL**

California Energy Commission  
1516 Ninth Street,  
Sacramento, CA 95814-5512

RE: Central Coast Community Energy (f/k/a Monterey Bay Community Power Authority), a California joint powers authority (“CCCE”) response to Form 4 of the 2021 Integrated Energy Policy Report Docket Number 21-IEPR-03

To Whom it May Concern:

The following narrative is provided to staff per the requirements of Form 4 of the IEPR. It explains CCCE’s load forecast methodology used for the data provided in Form 1.1 (a) and Form 1.3 of CCCE’s 2021 Integrated Energy Policy Demand Forecast.

**Peak Demand Forecast**

CCCE determines the forecasted peak hour for each month by forecasting its hourly load for every hour in the year and then identifying the peak hour of usage within each month. This value represents CCCE’s peak across its various rate schedules. Note that CCCE’s peak is not coincident with the CAISO systemwide peak.

To allocate the monthly peak values across the aggregated rate schedule groups, CCCE calculates the historical percentage of net demand usage at peak by group. CCCE then multiplies those percentages by the forecasted peak of CCCE’s aggregate load.

CCCE forecasts its peak demand hour to be either HE 19, 20, 21 depending on the month.

**Load Growth**

Customer count projection is based on taking an assessment of CCCE current customers plus any new territory enrollment. CCCE then applies an incremental customer opt-out curve based on geographic region, aggregated rate classes and calendar month. This opt-out curve was determined by CCCE’s data scientist in the summer of 2020.

In October 2021, CCCE will add the communities of the cities of Goleta and Carpinteria and parts of unincorporated Santa Barbara County. CCCE is assuming ~95% of eligible customers will enroll in October 2021.

In January 2022, the City of Buellton will become a customer of CCCE. CCCE is assuming all eligible customers will enroll on January 1, 2022.

CCCE has not made any adjustments to account for the effects of COVID-19.



## Opt-Out

CCCE assumes cumulative incremental opt out rates ranging from 0.10% to 2.35% depending on geography and rate class. Communities that have been under CCCE service territories for greater periods of time have smaller opt out rate than those communities who have joined recently.

CCCE opt outs are based on accounts and are segregated by aggregated rate schedules.

CCCE is forecasting a loss 74 GWh of annual consumption in 2021 as the result of current customers switching to Direct Access service. CCCE is forecasting another 4.84 GWh of loss of load due to Direct Access expansion in 2022. In total, CCCE is expecting a total loss of load of 78.2 GWh in 2021 and 2022 but is not assuming any additional loss of load from the expansion of Direct Access beyond 2022.

## Other

CCCE utilizes weather-normalization in carrying out its load forecast by fitting the load model against historical weather data. The model then forecast loads by applying these identified relationships between load and weather and then forecasted future load assuming “expected weather”. Expected weather is defined by the average weather over a multi-year historical period.

CCCE’s load forecast model accounts for the distinction between weekday day load profiles and weekend load profiles. Moreover, CCCE further distinguishes the weekend day load profiles by differentiating between Saturday and Sunday demand.

CCCE’s forecast accounts for NERC holidays.

At a minimum, CCCE updates its long-term forecast once every year. If material changes in load consumption behavior are detected in the actual usage, CCCE conducts intra-year forecast updates.

If are any follow-up questions, please contact Christopher Matos at [cmatos@CCCE.org](mailto:cmatos@CCCE.org).

Very truly yours,

**CENTRAL COAST COMMUNITY ENERGY**, a California joint powers authority