

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



July 15, 2022

Advice Letters 6589-E/E-A/E-B

Erik Jacobson
Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

SUBJECT: Submittal of Community Choice Aggregator (CCA) Financial Security Requirements in Compliance with D.18-05-022.

Dear Mr. Jacobson:

Advice 6589-E_E-A_E-B are effective as of August 6, 2022.

Sincerely,

A handwritten signature in black ink that reads "Leuwam Tesfai".

Leuwam Tesfai
Deputy Executive Director for Energy and Climate Policy
California Public Utilities



Sidney Bob Dietz II
Director
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B13U
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-3582

July 7, 2022

Advice 6589-E-B
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Second Supplemental: Submittal of Community Choice Aggregator (CCA) Financial Security Requirements in Compliance With D.18-05-022

Purpose

Pacific Gas and Electric Company (PG&E) submits this supplemental advice letter to revise the number of months used to calculate each Community Choice Aggregator's (CCA) average peak demand forecast in a manner consistent with PG&E's electric Rule 23, *Community Choice Aggregation Service*.

This supplemental advice letter replaces Advice Letter 6589-E and Advice 6589-E-A in their entirety.

Background

On May 10, 2022, PG&E submitted Advice Letter 6589-E in compliance with Ordering Paragraph (OP) 8 of Decision (D.) 18-05-022. Advice Letter 6589-E provided the California Public Utilities Commission (CPUC or Commission) with the calculated financial security requirements for Community Choice Aggregators serving customers within its service territory.

Attachment B of Advice Letter 6589-E contained a table showing, by CCA, the calculated financial security requirement (FSR) amount based upon the methodology adopted in D.18-05-022 and approved by the Commission in Advice 6060-E, and draft Resolution E-5170 issued by the Commission on October 28, 2021. The table was redacted of any confidential CCA information. An unredacted version of with the relevant supporting data and calculation of each respective CCA's financial security amount was included in Confidential Attachment C. A declaration supporting confidential treatment can be found in Attachment A to Advice Letter 6589-E. Concurrent with the submittal of Advice Letter 6589-E, PG&E served by electronic means on each applicable CCA a copy of the advice letter, with the relevant supporting

data, redacted of any proprietary information that is not the subject of a non-disclosure agreement or third-party proprietary information that can be acquired through a subscription with the Intercontinental Exchange (ICE), and the calculation of each respective CCA's FSR amount provided confidentially only to that specific CCA.

On May 17, 2022, PG&E submitted Advice Letter 6589-E-A, to submit redacted versions of the calculation template for each CCA that made up Attachment C to Advice Letter 6589-E.

On May 31, 2022, California Community Choice Association (CalCCA) submitted a protest to Advice 6589-E and Advice 6589 E-A stating, in relevant part, that PG&E's financial security requirement calculation departs from PG&E's Rule 23 by using a 6 month average of the CCA's historic monthly peaks instead of a 12 month average for the purpose of determining the "peak load" used in the calculation of the applicable resource adequacy ("RA") cost.

On June 7, 2022, PG&E submitted a reply to the CalCCA's protest in which PG&E agreed to correct the period for determination of "peak load" from 6 months to 12 months and to submit the revised calculations to all CCAs and the Commission through a supplemental advice letter or substitute sheets.¹

In this supplemental Advice Letter, PG&E submits the revised FSR amounts for each CCA using a 12 month average of historic monthly peaks to determine the "peak load" for the calculation of the applicable RA costs.

Attachment B contains a table showing, by CCA, the calculated FSR amount based upon the methodology adopted in D.18-05-022 and approved by the Commission in Advice 6060-E, and draft Resolution E-5170 issued by the Commission on October 28, 2021. The table has been redacted of any confidential CCA information. Redacted versions of the calculation template for each CCA are contained in Public Attachment C – Summary of CCA Financial Security Requirements and Underlying Calculations (Redacted).” A declaration supporting confidential treatment is found in Attachment A. Concurrent with submitting this supplemental advice letter to the Energy Division, PG&E will serve by electronic means on each applicable CCA a copy of this supplemental advice letter, with the relevant supporting data, redacted of any proprietary information that is not the subject of a non-disclosure agreement or third-party proprietary information that can be acquired through a subscription with the Intercontinental Exchange (ICE), and the calculation of each respective CCA's FSR amount provided confidentially only to that specific CCA.

Based upon draft Resolution E-5170, PG&E used the Resource Adequacy (RA) value from the CPUC's 2019 RA Report for Zone NP-26 but, as the RA value is not reflective

¹ See PG&E's Reply to the Protest of CalCCA to Advice 6589-E and Advice 6589-E-A, p. 2

of current RA market prices, urges the Commission to adopt the use of the updated RA Market Price Benchmarks (MPBs) in Rulemaking (R.) 21-03-011 (POLR OIR).

PG&E used the following data sources for the FSR calculation:

Input Element	Source	Value
Forecasted Energy Prices (Lines 3 - 8)	Intercontinental Exchange (ICE)	May 2022 – October 2022
Customer Re-Entry Fee (Line 16)	Electric Rate Schedule ECCA	\$4.24 per account
Renewable Energy Credit (REC) Value (Line 21)	2021 PCIA MPB ² (2022 Forecasted)	\$13.70/MWh
Local RA Volume-Weighted Average Price (Line 24)	2020 CPUC RA Report (Zone NP-26)	\$5.04/kW-mo.
System RA Volume-Weighted Average Price (Line 25)	2020 CPUC RA Report (Zone NP-26)	\$4.97/kW-mo.

The version of this advice letter posted at www.pge.com is redacted.

Protests

Anyone wishing to protest this submittal may do so by letter sent electronically via E-mail, no later than July 27, 2022, which is 20 days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
E-mail: EDTariffUnit@cpuc.ca.gov

The protest shall also be electronically sent to PG&E via E-mail at the address shown below on the same date it is electronically delivered to the Commission:

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest;

² California Public Utilities Commission, "Calculation of the Market Price Benchmarks for the Power Charge Indifference Adjustment" dated November 1, 2021.

supporting factual information or legal argument; name and e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 2 advice letter become effective on regular notice, August 6, 2022, which is 30 calendar days after the date of submittal.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically to parties shown on the attached list and the parties on the service list for R.21-03-011. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

/S/

Sidney Bob Dietz II
Director, Regulatory Relations

cc: Service List R.21-03-011

Attachments:

Public Attachment A – Declaration of David Gutierrez Supporting Confidential Treatment

Public Attachment B – Summary of CCA Financial Security Requirements (Redacted)

Public Attachment C - Summary of CCA Financial Security Requirements and Underlying Calculations (Redacted)



ADVICE LETTER SUMMARY

ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39 E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Kimberly Loo

Phone #: (415)973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: KELM@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 6589-E-B

Tier Designation: 2

Subject of AL: Second Supplemental: Submittal of Community Choice Aggregator (CCA) Financial Security Requirements in Compliance With D.18-05-022

Keywords (choose from CPUC listing): Compliance

AL Type: Monthly Quarterly Annual One-Time Other: Biannual

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.18-05-022

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? Yes No

If yes, specification of confidential information: See Attachment A

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information: David Gutierrez, David.Gutierrez@pge.com

Resolution required? Yes No

Requested effective date: 8/6/22

No. of tariff sheets: 0

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: N/A

¹Discuss in AL if more space is needed.

Protests and correspondence regarding this AL are to be sent via email and are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

California Public Utilities Commission
Energy Division Tariff Unit Email:
EDTariffUnit@cpuc.ca.gov

Contact Name: Sidnev Bob Dietz II. c/o Megan Lawson
Title: Director, Regulatory Relations
Utility/Entity Name: Pacific Gas and Electric Company

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email: PGETariffs@pge.com

Contact Name:
Title:
Utility/Entity Name:

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

CPUC
Energy Division Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Clear Form

Advice 6589-E-B
July 7, 2022

Attachment A

**Declaration of David Gutierrez Supporting Confidential
Treatment**

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

**DECLARATION SUPPORTING CONFIDENTIAL DESIGNATION
ON BEHALF OF
PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)**

1. I, David Gutierrez, am a Senior Manager in Community Vitality for Pacific Gas and Electric Company (“PG&E”), a California corporation. Aaron August, the Vice President, Business Development & Customer Engagement, of PG&E, delegated authority to me to sign this declaration. My business office is located at:

Pacific Gas and Electric Company
245 Market Street
San Francisco, CA 94105

2. PG&E will produce the information identified in paragraph 3 of this Declaration to the California Public Utilities Commission (“CPUC”) or departments within or contractors retained by the CPUC in response to a CPUC audit, data request, proceeding, or other CPUC request.

Name or Docket No. of CPUC Proceeding (if applicable): R.03-10-003

3. Title and description of document(s): Advice Letter 6589-E-B, Submittal of Community Choice Aggregator (CCA) Financial Security Requirements in Compliance With D.18-05-022.

4. These documents contain confidential information that, based on my information and belief, has not been publicly disclosed. These documents have been marked as confidential, and the

basis for confidential treatment and where the confidential information is located on the documents are identified on the following chart:

Check	Basis for Confidential Treatment	Where Confidential Information is located on the documents
<input checked="" type="checkbox"/>	<p>Customer-specific data, which may include demand, loads, names, addresses, and billing data (Protected under PUC § 8380; Civ. Code §§ 1798 et seq.; Govt. Code § 6254; Public Util. Code § 8380; Decisions (D.) 14-05-016, 04-08-055, 06-12-029)</p>	<p>Attachments B and C: CCA Load Forecast On-Peak (MWh), Off-Peak (MWh), Monthly Peak Demand (MW), Forecast CCA Number of Service Accounts (SA) included in Calculations and Final Calculation Amounts. Confidential information is displayed in red font.</p>
<input type="checkbox"/>	<p>Personal information that identifies or describes an individual (including employees), which may include home address or phone number; SSN, driver’s license, or passport numbers; education; financial matters; medical or employment history (not including PG&E job titles); and statements attributed to the individual (Protected under Civ. Code §§ 1798 <i>et seq.</i>; Govt. Code § 6254; 42 U.S.C. § 1320d-6; and General Order (G.O.) 77-M)</p>	
<input type="checkbox"/>	<p>Physical facility, cyber-security sensitive, or critical energy infrastructure data, including without limitation critical energy infrastructure information (CEII) as defined by the regulations of the Federal Energy Regulatory Commission at 18 C.F.R. § 388.113 (Protected under Govt. Code § 6254(k), (ab); 6 U.S.C. § 131; 6 CFR § 29.2)</p>	
<input checked="" type="checkbox"/>	<p>Proprietary and trade secret information or other intellectual property and protected market sensitive/competitive data (Protected under Civ. Code §§3426 <i>et seq.</i>; Govt. Code §§ 6254, <i>et seq.</i>, e.g., 6254(e), 6254(k), 6254.15; Govt. Code § 6276.44; Evid. Code §1060; D.11-01-036)</p>	<p>Attachments B and C: ICE Average Off-Peak and On-Peak Forward Price Information included in Calculations and Final</p>

	Calculation Amounts. Confidential information is displayed in red font.
<input type="checkbox"/> Corporate financial records (Protected under Govt. Code §§ 6254(k), 6254.15)	
<input type="checkbox"/> Third-Party information subject to non-disclosure or confidentiality agreements or obligations (Protected under Govt. Code § 6254(k); see, e.g., CPUC D.11-01-036), ESP Service Agreement Form 79-948 Section 11	
<input type="checkbox"/> Other categories where disclosure would be against the public interest (Govt. Code § 6255(a)) <hr/> <hr/> <hr/>	

5. The importance of maintaining the confidentiality of this information outweighs any public interest in disclosure of this information. This information should be exempt from the public disclosure requirements under the Public Records Act and should be withheld from disclosure.
6. I declare under penalty of perjury that the foregoing is true, correct, and complete to the best of my knowledge.
7. Executed on this 1st day of July, 2022 at San Francisco, California.

/s/ David Gutierrez
 David Gutierrez
 Senior Manager, Community Vitality
 Pacific Gas and Electric Company

Attachment B

Summary of CCA Financial Security Requirements

(Redacted)

ATTACHMENT B
Summary of CCA Financial Security Requirements
Public Version

CCA FINANCIAL SECURITY REQUIREMENT	
Pacific Gas and Electric Company	
Advice 6589-E-B	
July 7, 2022	
Community Choice Aggregator	Total Financial Security
Central Coast Community Energy	
City of King City	
Clean Power SF	
East Bay Community Energy	
Marin Clean Energy	
Peninsula Clean Energy	
Pioneer Community Energy	
Redwood Coast Energy Authority	
San Jose Clean Energy	
Silicon Valley Clean Energy	
Sonoma Clean Power	
Valley Clean Energy	

Attachment C

Summary of CCA Financial Security Requirements and Underlying Calculations

(Redacted)

**CCA Financial Security Requirement
Central Coast Community Power**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
Clean Power SF**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
East Bay Community Energy**

1	Average On-Peak and Off-Peak Forward Price Source	ICE					
2	Calculation Month (M)	April-22					
		3	4	5	6	7	8
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)	
3	May-22						
4	Jun-22						
5	Jul-22						
6	Aug-22						
7	Sep-22						
8	Oct-22						
9	Nov-22	N/A ¹					
10	Dec-22						
11	Jan-23						
12	Feb-23						
13	Mar-23						
14	Apr-23						

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
City of King City**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

CCA Financial Security Requirement

MCE

1	Average On-Peak and Off-Peak Forward Price Source	ICE			
2	Calculation Month (M)	April-22			
	3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)
3	May-22				
4	Jun-22				
5	Jul-22				
6	Aug-22				
7	Sep-22				
8	Oct-22				
9	Nov-22				
10	Dec-22				
11	Jan-23				
12	Feb-23				
13	Mar-23				
14	Apr-23				
15	Forecast CCA Number of Service Accounts (SA)		SA		
16	Customer Re-Entry Fee	\$ 4.24	Per SA		
17	IOU-Specific Line Loss Factor	106%			
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh		
19	Prior Period's CCA FSR				
20	Minimum FSR	\$ 147,000			
			N/A ¹		
RPS Cost Forecast Inputs					
21	REC Value	\$ 13.70	Per MWh		
22	RPS Annual Target Percentage	39%			
RA Cost Forecast Inputs					
23	RA Planning Reserve Margin (PRM) Requirement	115%			
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo		
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo		
26	Annual Peak Demand in TAC Area	20,380	MW		
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW		
Load Forecast Calculation Load Forecast Calculation Formulas					
28	CCA Usage Forecast		MWh		Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW		Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW		Average of Column 8 (Lines 3-14)
RA Forecast Calculation RA Forecast Calculation Formulas					
31	CCA Peak Load Share (based on CCA Annual Peak Demand)				Line 29 ÷ 26
32	CCA Local RA Requirement		MW		Line 31 x 27
33	CCA Net System RA Requirement		MW		Line (30 x 23) - Line 32
Incremental Cost Calculation Incremental Cost Calculation Formulas					
34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)				[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)				Line 21 x 22 x 28 x 17
36	RA Cost Forecast				[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement				Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)				Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)				Line 37 - 38
40	Administrative Costs				Line 15 x 16
Financial Security Requirement Calculation FSR Calculation Formulas					
41	CCA Financial Security Requirement (FSR) under Section 394.25(e)				Max [Line 39 + 40, 0]
42	Final FSR				Max [Line 41, Line 20]
43	Prior Period's CCA FSR				Line 19
44	Change Required to CCA FSR				Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

 Non-IOU Specific Input Cell
 IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
Peninsula Clean Energy**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

CCA Financial Security Requirement

Pioneer

1	Average On-Peak and Off-Peak Forward Price Source	ICE			
2	Calculation Month (M)	April-22			
	3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)
3	May-22				
4	Jun-22				
5	Jul-22				
6	Aug-22				
7	Sep-22				
8	Oct-22				
9	Nov-22				
10	Dec-22				
11	Jan-23				
12	Feb-23				
13	Mar-23				
14	Apr-23				
15	Forecast CCA Number of Service Accounts (SA)		SA		
16	Customer Re-Entry Fee	\$ 4.24	Per SA		
17	IOU-Specific Line Loss Factor	106%			
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh		
19	Prior Period's CCA FSR				
20	Minimum FSR	\$ 147,000			
			N/A ¹		
RPS Cost Forecast Inputs					
21	REC Value	\$ 13.70	Per MWh		
22	RPS Annual Target Percentage	39%			
RA Cost Forecast Inputs					
23	RA Planning Reserve Margin (PRM) Requirement	115%			
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo		
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo		
26	Annual Peak Demand in TAC Area	20,380	MW		
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW		
Load Forecast Calculation Load Forecast Calculation Formulas					
28	CCA Usage Forecast		MWh		Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW		Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW		Average of Column 8 (Lines 3-14)
RA Forecast Calculation RA Forecast Calculation Formulas					
31	CCA Peak Load Share (based on CCA Annual Peak Demand)				Line 29 ÷ 26
32	CCA Local RA Requirement		MW		Line 31 x 27
33	CCA Net System RA Requirement		MW		Line (30 x 23) - Line 32
Incremental Cost Calculation Incremental Cost Calculation Formulas					
34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)				[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)				Line 21 x 22 x 28 x 17
36	RA Cost Forecast				[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement				Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)				Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)				Line 37 - 38
40	Administrative Costs				Line 15 x 16
Financial Security Requirement Calculation FSR Calculation Formulas					
41	CCA Financial Security Requirement (FSR) under Section 394.25(e)				Max [Line 39 + 40, 0]
42	Final FSR				Max [Line 41, Line 20]
43	Prior Period's CCA FSR				Line 19
44	Change Required to CCA FSR				Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

 Non-IOU Specific Input Cell
 IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
Redwood Coast Energy Authority**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
Sonoma Clean Power**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
San Jose Clean Energy**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast	MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand	MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand	MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)		Line 29 ÷ 26
32	CCA Local RA Requirement	MW	Line 31 x 27
33	CCA Net System RA Requirement	MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)		[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)		Line 21 x 22 x 28 x 17
36	RA Cost Forecast		[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement		Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)		Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)		Line 37 - 38
40	Administrative Costs		Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)		Max [Line 39 + 40, 0]
42	Final FSR		Max [Line 41, Line 20]
43	Prior Period's CCA FSR		Line 19
44	Change Required to CCA FSR		Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
Silicon Valley Clean Energy**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**CCA Financial Security Requirement
Valley Clean Energy**

1	Average On-Peak and Off-Peak Forward Price Source	ICE				
2	Calculation Month (M)	April-22				
		3	4	5	6	7
	Trading Day Average for 6 Months Forward Strip From Month of (M-1)	Average On-Peak Forward Price	Average Off-Peak Forward Price	CCA Load Forecast On-Peak (MWh)	CCA Load Forecast Off-Peak (MWh)	CCA Monthly Peak Demand (MW)
3	May-22					
4	Jun-22					
5	Jul-22					
6	Aug-22					
7	Sep-22					
8	Oct-22					
9	Nov-22					
10	Dec-22					
11	Jan-23					
12	Feb-23					
13	Mar-23					
14	Apr-23					

15	Forecast CCA Number of Service Accounts (SA)		SA
16	Customer Re-Entry Fee	\$ 4.24	Per SA
17	IOU-Specific Line Loss Factor	106%	
18	IOU System Average Bundled Service Generation Rate	\$ 144.34	Per MWh
19	Prior Period's CCA FSR		
20	Minimum FSR	\$ 147,000	

RPS Cost Forecast Inputs

21	REC Value	\$ 13.70	Per MWh
22	RPS Annual Target Percentage	39%	

RA Cost Forecast Inputs

23	RA Planning Reserve Margin (PRM) Requirement	115%	
24	Local RA Volume-Weighted Average Price (VWAP)	\$5.04	Per kW-mo
25	System RA Volume-Weighted Average Price (VWAP)	\$4.97	Per kW-mo
26	Annual Peak Demand in TAC Area	20,380	MW
27	Annual Local Capacity Requirement (LCR) in TAC Area	12,301	MW

Load Forecast Calculation

Load Forecast Calculation Formulas

28	CCA Usage Forecast		MWh	Sum of Columns 6, 7
29	CCA Annual Peak Demand		MW	Max of Column 8 (Lines 3-14)
30	CCA Average Peak Demand		MW	Average of Column 8 (Lines 3-14)

RA Forecast Calculation

RA Forecast Calculation Formulas

31	CCA Peak Load Share (based on CCA Annual Peak Demand)			Line 29 ÷ 26
32	CCA Local RA Requirement		MW	Line 31 x 27
33	CCA Net System RA Requirement		MW	Line (30 x 23) - Line 32

Incremental Cost Calculation

Total

Incremental Cost Calculation Formulas

34	Energy Cost Forecast (incl. IOU-Specific Line Loss Factor)			[Sum Product of Columns 4, 5, 6, 7] x Line 17
35	RPS Cost Forecast (incl. IOU-Specific Line Loss Factor)			Line 21 x 22 x 28 x 17
36	RA Cost Forecast			[(Line 24 x 32) + Line (25 x 33)] x 6 x 1000
37	Forecast Cost of New Procurement			Line 34 + 35 + 36
38	Forecast Revenues (Total Revenues Collected from Returned CCA Customers through the IOU System Average Bundled Service Generation Rate)			Line 18 x 28
39	Incremental Procurement Cost Exposure (Forecast Cost of New Procurement Less Forecast Revenues)			Line 37 - 38
40	Administrative Costs			Line 15 x 16

Financial Security Requirement Calculation

FSR Calculation Formulas

41	CCA Financial Security Requirement (FSR) under Section 394.25(e)			Max [Line 39 + 40, 0]
42	Final FSR			Max [Line 41, Line 20]
43	Prior Period's CCA FSR			Line 19
44	Change Required to CCA FSR			Line 42 - 43 if 10% and \$20,000 deadband threshold is exceeded

Confidential Input Cell
CCA Specific Input Cell

Non-IOU Specific Input Cell
IOU Specific Input Cell

1. While CCA Monthly Peak demand for 12 months is used to estimate monthly Local RA requirement, only months 1-6 are used to calculate System RA requirement and Forecast Cost of New Procurement.

**PG&E Gas and Electric
Advice Submittal List
General Order 96-B, Section IV**

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
Braun Blasing Smith Wynne, P.C.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell

East Bay Community Energy Ellison
Schneider & Harris LLP
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie
Green Power Institute
Hanna & Morton
ICF
International Power Technology

Intertie

Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McClintock IP
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Stoel Rives LLP

Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy