



**SPECIAL MEETING of the Board of Directors of the
Peninsula Clean Energy Authority (PCEA)
Saturday, September 23, 2017**

Peninsula Clean Energy
2075 Woodside Road, Redwood City, CA 94061
9:00 a.m.

Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to participate in this meeting, or who have a disability and wish to request an alternative format for the agenda, meeting notice, agenda packet or other writings that may be distributed at the meeting, should contact Anne Bartoletti, Board Clerk, at least 2 working days before the meeting at abartoletti@peninsulacleanenergy.com. Notification in advance of the meeting will enable the PCEA to make reasonable arrangements to ensure accessibility to this meeting and the materials related to it. Attendees to this meeting are reminded that other attendees may be sensitive to various chemical based products.

If you wish to speak to the Board, please fill out a speaker's slip located on the tables as you enter the Board meeting room. If you have anything that you wish to be distributed to the Board and included in the official record, please hand it to a member of PCEA staff who will distribute the information to the Board members and other staff.

BREAKFAST (8:30-9:00)

CALL TO ORDER / ROLL CALL

PUBLIC COMMENT

This item is reserved for persons wishing to address the Board on any PCEA-related matters that are as follows: 1) Not otherwise on this meeting agenda; 2) Listed on the Consent Agenda and/or Closed Session Agenda; 3) Chief Executive Officer's or Staff Report on the Regular Agenda; or 4) Board Members' Reports on the Regular Agenda. Public comments on matters not listed above shall be heard at the time the matter is called.

As with all public comment, members of the public who wish to address the Board are requested to complete a speaker's slip and provide it to PCEA staff. Speakers are customarily limited to two minutes, but an extension can be provided to you at the discretion of the Board Chair.

ACTION TO SET AGENDA and TO APPROVE CONSENT AGENDA ITEMS

This item is to set the final consent and regular agenda, and for the approval of the items listed on the consent agenda. All items on the consent agenda are approved by one action.

REGULAR AGENDA

- 9:10 – 9:30 Approve Resolution delegating authority to the Chief Executive Officer to execute an Amended and Restated Power Purchase Agreement with Wright Solar Park, LLC, a Delaware Limited Liability Company, and any other necessary ancillary documents. Power Delivery Term: 25 years. Not to exceed \$550,000,000. (Action)
- 9:30 – 10:00 Review of Strategic Goals (Discussion)
- 10:00 – 11:00 Marketing Strategy (Discussion)
- 11:00 – 12:00 Local Energy Programs Evaluation Criteria (Discussion)
- 12:00 – 12:30 Lunch
- 12:30 – 1:30 Integrated Resource Plan (Discussion)
- 1:30 – 2:00 PCE Organization and Staffing Plan (Discussion)

CONSENT AGENDA

1. Approval of the Minutes for the August 24, 2017 Meeting (Action)
2. Authorize the Chief Executive Officer to execute a WSPP (Western Systems Power Pool) Confirmation Letter for Purchase of Resource Adequacy from Calpine Energy Services, L.P. Delivery Term: July 2018 through August 2018, in an amount not to exceed \$2,000,000 (Action)
3. Authorize the Chief Executive Officer to execute a WSPP (Western Systems Power Pool) Confirmation Letter for Purchase of Resource Adequacy from High Desert Power Project, LLC. Delivery Term: January 2018 through December 2018, in an amount not to exceed \$1,000,000 (Action)
4. Approve Amendment No. 2 to the Agreement with Circlepoint to Provide Marketing, Communications, and Public Engagement Services, increasing the amount by \$85,000 for a total not to exceed \$279, 259. (Action)
5. Informational Reports:
 - 5.1 Regulatory and Legislative Update
 - 5.2 Marketing and Outreach Update

Public records that relate to any item on the open session agenda for a regular board meeting are available for public inspection. Those records that are distributed less than 72 hours prior to the meeting are available for public inspection at the same time they are distributed to all members, or a majority of the members of the Board. The Board has designated the Peninsula Clean Energy office, located at 2075 Woodside Road, Redwood City, CA 94061, for the purpose of making those public records available for inspection. The documents are also available on the PCEA's Internet Web site. The website is located at: <http://www.peninsulacleanenergy.com>.



PENINSULA CLEAN ENERGY
JPA Board Correspondence

DATE: September 15, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Present

TO: Honorable Peninsula Clean Energy Authority Board of Directors

FROM: Jan Pepper, Chief Executive Officer

SUBJECT: Authorize Execution of the Amended and Restated Power Purchase Agreement (PPA) for Renewable Supply with Wright Solar Park, LLC, a Delaware limited liability company.

RECOMMENDATION:

Approve Resolution delegating authority to the Chief Executive Officer to A) Execute an Amended and Restated Power Purchase Agreement (PPA) with Wright Solar Park, LLC, a Delaware limited liability company, with terms consistent with those presented, in a form approved by the General Counsel and for a Power Delivery Term of up to 25 years, in an amount not to exceed \$550,000,000; B) Execute such other Ancillary documents, in a form approved by General Counsel, as may be necessary to effectuate purchase of such power from Wright Solar Park, LLC.

BACKGROUND:

At the October 27, 2016 board meeting, PCE described its strategy to diversify its power supply, and consider contract length, project ownership, project location, and project technology in selecting projects. Other key issues considered in the evaluation include the proper mix of renewables in terms of Bucket 1 and Bucket 2 sources, power price, and the use of labor agreements for new projects.

The Peninsula Clean Energy board adopted a strategic goal to source 100% of PCE's energy from California RPS eligible renewables by 2025. As a step in meeting this strategic goal, PCE issued a request for proposals for renewable energy on October 17, 2016. On November 7, 2016, PCE received 242 responses from 62 projects. Over the intervening months, PCE staff has been evaluating proposals, signing contracts and negotiating with some of the bidders.

DISCUSSION:

On January 26, 2017, the Board approved and PCE executed a PPA with Wright Solar Park, LLC, a Delaware limited liability company. At that time it was known that the project developer was going to seek financing and sell the project to a third party, and it was anticipated that additional negotiations would take place to complete the deal in a mutually agreeable way. That process has now occurred, resulting in an Amended and Restated PPA that PCE staff is presenting to the Board for approval.

We are asking that the board approve the Amended and Restated PPA with the terms shown, in an amount not to exceed \$550,000,000.

The Wright Solar Park Amended and Restated PPA is a 25-year agreement with Wright Solar Park, LLC for a new 200 MW solar photovoltaic project in Merced County, California. Deliveries from this project are scheduled to begin on November 30, 2019. The material changes to the agreement since it was originally approved in January 2017 are:

- The commercial operation deadline for initial energy deliveries was changed from November 30, 2018 to November 30, 2019.
- The length of the power delivery term from initial energy deliveries to the end of the term was changed from 20 years to 25 years.
- The PPA price profile was adjusted, with no change to the average price.
- Credit provisions were modified.

FISCAL IMPACT:

As was the case when the PPA was originally approved in January 2017, the fiscal impact of the Wright Solar Park project will not exceed \$550,000,000. This amount will not be exceeded, cumulatively, over the 25 years of energy deliveries under the Amended and Restated PPA.

RESOLUTION NO. _____

**PENINSULA CLEAN ENERGY AUTHORITY, COUNTY OF SAN MATEO, STATE OF
CALIFORNIA**

*** * * * ***

**RESOLUTION DELEGATING AUTHORITY TO THE CHIEF EXECUTIVE OFFICER
TO (A) EXECUTE AN AMENDED AND RESTATED POWER PURCHASE
AGREEMENT WITH WRIGHT SOLAR PARK, LLC, A DELAWARE LIMITED
LIABILITY COMPANY, WITH TERMS CONSISTENT WITH THOSE PRESENTED, IN
A FORM APPROVED BY THE GENERAL COUNSEL AND FOR A POWER
DELIVERY TERM OF UP TO 25 YEARS, IN AN AMOUNT NOT TO EXCEED
\$550,000,000;**

**(B) EXECUTE SUCH OTHER ANCILLARY DOCUMENTS, IN A FORM APPROVED
BY GENERAL COUNSEL, AS MAY BE NECESSARY TO EFFECTUATE PURCHASE
OF SUCH POWER FROM WRIGHT SOLAR PARK, LLC.**

RESOLVED, by the Peninsula Clean Energy Authority of the County of San
Mateo, State of California, that

WHEREAS, the Peninsula Clean Energy Authority (“Peninsula Clean Energy” or
“PCEA”) was formed on February 29, 2016; and

WHEREAS, launch of service for Phase I occurred in October 2016, and launch
of service for Phase II occurred in April 2017; and

WHEREAS, Peninsula Clean Energy is purchasing energy, renewable energy, carbon free energy, and related products and services (the “Products”) to supply Phase II of its launch; and

WHEREAS, in Fall 2016, consistent with its mission of reducing greenhouse gas emissions and offering customer choice at competitive rates, Peninsula Clean Energy administered a competitive process to select one or more power supply contractors; and

WHEREAS, one of the providers selected by Peninsula Clean Energy through this competitive process is Wright Solar Park, LLC, a Delaware limited liability company, (“Contractor”), based on its desirable offering of Products, pricing, and terms; and

WHEREAS, staff is presenting to the Board for its review the negotiated Amended and Restated Power Purchase Agreement, reference to which should be made for further particulars; and

WHEREAS, the Board wishes to delegate to the Chief Executive Officer authority to execute the aforementioned Amended and Restated Power Purchase Agreement and any other ancillary documents required for said purchase of power from the Contractor.

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED that the Board delegates authority to the Chief Executive Officer to:

(A) Execute the Amended and Restated Power Purchase Agreement with the Contractor with terms consistent with those presented, in a form approved by the General Counsel and for a power delivery term of up to 25 years, in an amount not to exceed \$550,000,000;

(B) Execute such other ancillary documents, in a form approved by General Counsel, as may be necessary to effectuate purchase of such power from the Contractor.

* * * * *

[CCO-113499]

AMENDED AND RESTATED POWER PURCHASE AND SALE AGREEMENT

COVER SHEET

Seller: Wright Solar Park, LLC, a Delaware limited liability company

Buyer: Peninsula Clean Energy, a California joint powers authority

Description of Facility: A 200 MW AC photovoltaic electric generating facility located in Merced County, California

Guaranteed Commercial Operation Date: November 30, 2019

Milestones:

Milestone	Completion Date
Site Control	Complete
Conditional Use Permit	Complete
Phase II Interconnection Study Results	Complete
Executed Interconnection Agreement	Complete
Financial Close	
Construction Start	
Initial Synchronization	October 31, 2019
Commercial Operation Date	November 30, 2019
Deliverability Network Upgrades completed	

Delivery Term: 25 Contract Years

Delivery Term Expected Energy:

Contract Year	Expected Energy (MWh)		
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

Contract Year	Expected Energy (MWh)	
19		
20		
21		
22		
23		
24		
25		

Contract Year 1 Expected Energy:

Month	Expected Energy (MWh)	
1		
2		
3		
4		
5		
6		
7		
8		
9		

Month	Expected Energy (MWh)	
10		
11		
12		

Contract Price:

Contract Year	Contract Price (\$/MWh)	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

Contract Year	Contract Price (\$/MWh)	
20		
21		
22		
23		
24		
25		

NOTE: Contract Prices are subject to adjustment as set forth in Section 3.1(b).

Product:

- x Energy
- x Green Attributes:
 - x Portfolio Content Category 1
 - ☐ Portfolio Content Category 2
- x Capacity Attributes

Deliverability:

- ☐ Energy Only Status
- X Full Capacity Deliverability Status

a) If Full Capacity Deliverability Status is selected, provide the Expected FCDS Date: [REDACTED]

Scheduling Coordinator: Buyer or Buyer's Agent

Seller Development Security: [REDACTED]

Seller Performance Security: [REDACTED]

Damage Payment: [REDACTED]

[REDACTED]

[REDACTED]

Notice Addresses:

Seller:

Company Name: Wright Solar Park, LLC
Address: 1777 Borel Place, Suite 102
San Mateo, CA 94402

Attention: Balduin Hesse, CEO Frontier Renewables LLC
Phone No.: 650-539-3380
Fax No.:
Email: bhesse@frontier-renewables.com

With a copy to: Lance McKinlay

Company Name: Frontier Renewables LLC
Address: 1777 Borel Place Suite 102
San Mateo, CA 94402

Office of the General Counsel
Phone No.: 650-539-3380
Fax No.:
Email: lmckinlay@frontier-renewables.com

Scheduling:

Company Name:
Address:

Attention:
Phone No.:
Fax No.:
Email:

Buyer:

Peninsula Clean Energy
2075 Woodside Rd
Redwood City, CA 94061
Attention: Contract Manager
Fax No.: TBD
Phone No.: (650) 260-0005
Email: contracts@peninsulacleanenergy.com

With a copy to:

Peninsula Clean Energy
400 County Center, 6th Floor
Redwood City, CA 94063
Attention: Nirit Eriksson, Deputy County Counsel
Fax No.: (650) 363-4034
Phone No.: (650) 363-4461
Email: neriksson@smcgov.org

[Signatures on following page.]

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed as of the Effective Date.

SELLER

Wright Solar Park, LLC

By: Frontier Renewables LLC

Its: Manager

BUYER

Peninsula Clean Energy Authority

By: _____
PCE Executive Officer

By: _____

Name: Balduin Hesse

Title: CEO & President of Seller's
Manager

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Exhibit C	Reserved
Exhibit D	Emergency Contact Information
Exhibit E	Form of Seller Parent Guaranty
Exhibit F	Guaranteed Energy Production Damages Calculation
Exhibit G	Progress Reporting Form
Exhibit H	Reserved
Exhibit I-1	Form of Commercial Operation Date Certificate
Exhibit I-2	Form of Installed Capacity Certificate
Exhibit J	Form of Construction Start Date Certificate
Exhibit K	Form of Letter of Credit

AMENDED AND RESTATED POWER PURCHASE AND SALE AGREEMENT

This Amended and Restated Power Purchase and Sale Agreement (“**Agreement**”) is entered into as of September 23, 2017 (the “**Effective Date**”), between Seller and Buyer (each also referred to as a “**Party**” and collectively as the “**Parties**”).

RECITALS

WHEREAS, Seller intends to develop, design, construct, own or otherwise have control over, and operate the electric generating facility as described in Exhibit A (the “**Facility**”);

WHEREAS, Buyer and Seller entered into that certain Power Purchase and Sale Agreement, dated as of January 26, 2017, as amended to the date hereof (the “**Original Agreement**”) with respect to the sale and purchase of the output of the Facility;

WHEREAS, this Agreement amends, restates and replaces the Original Agreement and, as of the Effective Date hereof, the Original Agreement is hereafter of no further force and effect, except as provided in this Agreement;

WHEREAS, Seller desires to sell, and Buyer desires to purchase, on the terms and conditions set forth in this Agreement, all Energy generated by the Facility, all Green Attributes related to the generation of such Energy, and all Capacity Attributes;

NOW THEREFORE, in consideration of the mutual covenants and agreements herein contained, and for other good and valuable consideration, the sufficiency and adequacy of which are hereby acknowledged, the Parties agree to the following:

ARTICLE 1 DEFINITIONS

1.1 **Contract Definitions.** The following terms, when used herein with initial capitalization, shall have the meanings set forth below:

“**AC**” means alternating current.

“**Accepted Compliance Costs**” has the meaning set forth in Section 3.13.

“**Adjusted Energy Production**” has the meaning set forth in Exhibit F.

“**Affiliate**” means, with respect to any Person, each Person that directly or indirectly Controls, is Controlled by, or is under common Control with such designated Person.

“**Agreement**” has the meaning set forth in the Preamble and includes any exhibits, schedules and any written supplements hereto, the Cover Sheet, and any designated collateral, credit support or similar arrangement between the Parties.

“**Available Capacity**” means the capacity from the Facility, expressed in whole MWs, that is available at a particular time to generate Product.

“Bankrupt” means with respect to any entity, such entity that (a) files a petition or otherwise commences, authorizes or acquiesces in the commencement of a proceeding or cause of action under any bankruptcy, insolvency, reorganization or similar Law, (b) has any such petition filed or commenced against it which remains unstayed or undismissed for a period of ninety (90) days, (c) makes an assignment or any general arrangement for the benefit of creditors, (d) otherwise becomes bankrupt or insolvent (however evidenced), (e) has a liquidator, administrator, receiver, trustee, conservator or similar official appointed with respect to it or any substantial portion of its property or assets, or (f) is generally unable to pay its debts as they fall due.

“Bid” has the meaning set forth in the CAISO Tariff.

“Business Day” means any day except a Saturday, Sunday, or a Federal Reserve Bank holiday in California. A Business Day begins at 8:00 a.m. and ends at 5:00 p.m. local time for the Party sending a Notice, or payment, or performing a specified action.

“Buyer” has the meaning set forth on the Cover Sheet.

“Buyer Bid Curtailment” means the occurrence of all of the following:

(a) the CAISO provides notice to a Party or the Scheduling Coordinator for the Facility, requiring the Party to produce less Energy from the Facility than is reflected in the VER Forecast for the Facility for a period of time;

(b) for the same time period as referenced in (a), Buyer or the SC for the Facility:

(i) did not submit a Self-Schedule or an Energy Supply Bid for the MW subject to the reduction; or

(ii) submitted an Energy Supply Bid and the CAISO notice referenced in (a) is solely a result of CAISO implementing the Energy Supply Bid; or

(iii) submitted a Self-Schedule for less than the full amount of Energy forecasted to be produced from the Facility; and

(c) no other circumstances exist that constitute a Planned Outage, Forced Facility Outage, Force Majeure Event and/or a Curtailment Period during the same time period as referenced in (a).

“Buyer Curtailment Order” means the instruction from Buyer to Seller to reduce generation from the Facility by the amount, and for the period of time set forth in such order, for reasons unrelated to a Planned Outage, Forced Facility Outage, Force Majeure Event and/or Curtailment Order, which instruction may be communicated to Seller in writing by electronic notice or other commercially reasonable means.

“Buyer Curtailment Period” means the period of time, as measured using current Settlement Intervals, during which (a) Seller reduces generation from the Facility pursuant to (i) Buyer Bid Curtailment or (ii) a Buyer Curtailment Order.

“Buyer Default” means a failure by Buyer to perform its obligations hereunder.

[REDACTED]

“Buyer’s WREGIS Account” has the meaning set forth in Section 4.8(a).

“CAISO” means the California Independent System Operator Corporation or any successor entity performing similar functions.

“CAISO Approved Meter” means a CAISO approved revenue quality meter or meters, CAISO approved data processing gateway or remote intelligence gateway, telemetering equipment and data acquisition services sufficient for monitoring, recording and reporting, in real time, all Energy produced by the Facility less Electrical Losses and Station Use, in accordance with the CAISO Tariff.

“CAISO Charges Invoice” has the meaning set forth in Section 4.3(d).

“CAISO Grid” has the same meaning as “CAISO Controlled Grid” as defined in the CAISO Tariff.

“CAISO Operating Order” means the “operating order” defined in Section 37.2.1.1 of the CAISO Tariff.

“CAISO Tariff” means the California Independent System Operator Corporation Agreement and Tariff, Business Practice Manuals (BPMs), and Operating Procedures, including the rules, protocols, procedures and standards attached thereto, as the same may be amended or modified from time-to-time and approved by FERC.

“California Renewables Portfolio Standard” or **“RPS”** means the renewable energy program and policies established by California State Senate Bills 1038 (2002), 1078 (2002), 107 (2008), and X-1 2 (2011), codified in, *inter alia*, California Public Utilities Code Sections 399.11 through 399.31 and California Public Resources Code Sections 25740 through 25751, as such provisions are amended or supplemented from time to time.

“Capacity Attribute” means any current or future defined characteristic, certificate, tag, credit, or accounting construct associated with the amount of power that the Facility can generate and deliver to the CAISO Grid at a particular moment and that can be purchased and sold under CAISO market rules, including Resource Adequacy Benefits. Capacity Attributes shall also include all rights to provide and all benefits related to the provision of Ancillary Services (as defined in the CAISO Tariff) and, subject to Section 3.8(c), reactive power.

“Capacity Damages” has the meaning set forth in Exhibit B.

“**CEC**” means the California Energy Resources Conservation and Development Commission or its successor agency.

“**CEC Final Certification and Verification**” means that the CEC has certified the Facility as an Eligible Renewable Energy Resource for purposes of the California Renewables Portfolio Standard, meeting all applicable requirements for certified facilities set forth in the *RPS Eligibility Guidebook, Eighth Edition* (or its successor), and that all Energy generated by the Facility qualifies as generation from an Eligible Renewable Energy Resource.

“**CEC Precertification**” means that the CEC has issued a precertification for the Facility indicating that the planned operations of the Facility would comply with applicable CEC requirements for CEC Final Certification and Verification.

“**Change of Control**”, in the case of Seller, means any circumstance in which Seller’s ultimate parent ceases to be the ultimate parent or to own, directly or indirectly through one or more intermediate entities, more than fifty percent (50%) of the outstanding equity interests in Seller; provided that in calculating ownership percentages for all purposes of the foregoing:

(a) any ownership interest in Seller held by its ultimate parent indirectly through one or more intermediate entities shall not be counted towards the ultimate parent’s ownership interest in Seller unless the ultimate parent directly or indirectly owns more than fifty percent (50%) of the outstanding equity interests in each such intermediate entity; and

(b) ownership interests in Seller owned directly or indirectly by any Lender (including any tax equity provider) shall be excluded from the total outstanding equity interests in Seller.

“**Commercial Operation**” has the meaning set forth in Exhibit B.

“**Commercial Operation Date**” has the meaning set forth in Exhibit B.

“**Commercial Operation Delay Damages**” means an amount equal to (a) the Seller Development Security amount required hereunder, divided by (b) one hundred eighty (180).

“**Compliance Actions**” has the meaning set forth in Section 3.13.

“**Compliance Expenditure Cap**” has the meaning set forth in Section 3.13.

“**Confidential Information**” has the meaning set forth in Section 19.1.

“**Construction Start**” has the meaning set forth in Exhibit B.

“**Construction Start Date**” has the meaning set forth in Exhibit B.

“**Contract Price**” has the meaning set forth in the Cover Sheet, as may be adjusted by Section 3.3.

“**Contract Term**” has the meaning set forth in Section 2.1.

“Contract Year” means a period of twelve (12) consecutive months. The first Contract Year shall commence on the Commercial Operation Date, and each subsequent Contract Year shall commence on the anniversary of the Commercial Operation Date.

“Control” (including, with correlative meanings, the terms “Controlled by” and “under common Control with”), as used with respect to any Person, shall mean (a) the direct or indirect right to cast more than fifty percent (50%) of the votes exercisable at an annual general meeting (or its equivalent) of such Person or, if there are no such rights, ownership of more than fifty percent (50%) of the equity or other ownership interest in such Person, or (b) the right to direct the policies or operations of such Person.

“Costs” means, with respect to the Non-Defaulting Party, brokerage fees, commissions and other similar third party transaction costs and expenses reasonably incurred by such Party either in terminating any arrangement pursuant to which it has hedged its obligations or entering into new arrangements which replace the Agreement; and all reasonable attorneys’ fees and expenses incurred by the Non-Defaulting Party in connection with terminating the Agreement.

“Cover Sheet” means the cover sheet to this Agreement.

“CPUC” means the California Public Utilities Commission, or successor entity.

“Credit Rating” means, with respect to any entity, the rating then assigned to such entity’s unsecured, senior long-term debt obligations (not supported by third party credit enhancements), or if such entity does not have a rating for its senior unsecured long-term debt, then the rating then assigned to such entity as an issuer rating, in either case by S&P or Moody’s. If ratings by S&P and Moody’s are not equivalent, the lower rating shall apply.

“Curtailment Cap” means Guaranteed Capacity times 50 hours MWh per Contract Year.

“Curtailment Order” means any of the following:

(a) CAISO orders, directs, alerts, or provides notice to a Party, including a CAISO Operating Order, to curtail Energy deliveries for any reason other than a Buyer Bid Curtailment;

(b) a curtailment ordered by the Participating Transmission Owner or distribution operator (if the Facility is interconnected to distribution or sub-transmission system) for reasons including, but not limited to, (i) any situation that affects normal function of the electric system including, but not limited to, any abnormal condition that requires action to prevent circumstances such as equipment damage, loss of load, or abnormal voltage conditions, or (ii) any warning, forecast or anticipation of conditions or situations that jeopardize the Participating Transmission Owner’s or distribution operator’s electric system integrity or the integrity of other systems to which the Participating Transmission Owner is connected;

(c) a curtailment ordered by the Participating Transmission Owner due to scheduled or unscheduled maintenance on the Participating Transmission Owner’s transmission facilities that prevents (i) Buyer from receiving or (ii) Seller from delivering Energy to the Delivery Point; or

(d) a curtailment in accordance with Seller's obligations under its Interconnection Agreement with the Participating Transmission Owner or distribution operator.

For the avoidance of doubt, if Buyer or Buyer's SC submitted a Self-Schedule and/or an Energy Supply Bid in its final CAISO market participation in respect of a given time period that clears, in full, the applicable CAISO market for the full amount of Energy forecasted to be produced from the Facility for such time period, any notice from the CAISO having the effect of requiring a reduction during the same time period is a Curtailment Order, not a Buyer Bid Curtailment.

"Curtailment Period" means the period of time, as measured using current Settlement Intervals, during which Seller reduces generation from the Facility pursuant to a Curtailment Order.

"Daily Delay Damages" [REDACTED]

"Damage Payment" means the dollar amount that is equal to the Seller Development Security amount required hereunder, [REDACTED]

"Day-Ahead Forecast" has the meaning set forth in Section 4.4(c).

"Day-Ahead LMP" has the meaning set forth in the CAISO Tariff.

"Day-Ahead Market" has the meaning set forth in the CAISO Tariff.

"Day-Ahead Schedule" has the meaning set forth in the CAISO Tariff.

"Deemed Delivered Energy" means the amount of Energy expressed in MWh that the Facility would have produced and delivered to the Delivery Point, but that is not produced by the Facility and delivered to the Delivery Point during a Buyer Curtailment Period, which amount shall be equal to (a) the VER Forecast expressed in MWh, applicable to the Buyer Curtailment Period, or (b) if there is no VER Forecast available or Seller demonstrates to Buyer's reasonable satisfaction that the VER Forecast does not represent an accurate forecast of generation from the Facility, the result of the equation reasonably calculated and provided by Seller to reflect the potential generation of the Facility as a function of Available Capacity, solar insolation and panel temperature and using relevant Facility availability, weather, historical and other pertinent data for the period of time during the Buyer Curtailment Period, in either case less the amount of Metered Energy delivered to the Delivery Point during the Buyer Curtailment Period; *provided that*, if the applicable difference is negative, the Deemed Delivered Energy shall be zero (0).

"Defaulting Party" has the meaning set forth in Section 11.1(a).

"Deficient Month" has the meaning set forth in Section 4.8(e).

"Delivery Point" means the PNode designated by the CAISO for the Facility.

“Delivery Term” shall mean the period of Contract Years specified on the Cover Sheet, beginning on the Commercial Operation Date, unless terminated earlier in accordance with the terms and conditions of this Agreement.

“Development Cure Period” has the meaning set forth in Exhibit B.

“Earliest COD” means August 31, 2019, as may be adjusted in accordance with Exhibit B.

“Early Termination Date” has the meaning set forth in Section 11.2.

“Effective Date” has the meaning set forth on the Preamble.

“Electrical Losses” means all transmission or transformation losses between the Facility and the Delivery Point.

“Eligible Intermittent Resources Protocol” or **“EIRP”** has the meaning set forth in the CAISO Tariff.

“Eligible Renewable Energy Resource” has the meaning set forth in California Public Utilities Code Section 399.12(e) and California Public Resources Code Section 25741(a), as either code provision is amended or supplemented from time to time.

“Energy” means metered electrical energy, measured in MWh, which is produced by the Facility.

[REDACTED]

[REDACTED]

“Energy Supply Bid” has the meaning set forth in the CAISO Tariff.

“Event of Default” has the meaning set forth in Section 11.1.

“Excess MWh” has the meaning set forth in Section 3.3(c).

“Expected Energy” has the meaning set forth in Section 4.7.

“Expected FCDS Date” means the date set forth in the deliverability section of the Cover Sheet which is the date the Facility is expected to achieve Full Capacity Deliverability Status.

“Experience Test” has the meaning set forth in the definition of “Qualified Manager.”

“Facility” means the facility described more fully in Exhibit A attached hereto.

“**FERC**” means the Federal Energy Regulatory Commission or any successor government agency.

[REDACTED]

“**FMM Schedule**” has the meaning set forth in the CAISO Tariff.

“**Force Majeure Event**” has the meaning set forth in Section 10.1.

“**Forced Facility Outage**” means an unexpected failure of one or more components of the Facility or any outage on the Transmission System that prevents Seller from making power available at the Delivery Point and that is not the result of a Force Majeure Event.

“**Full Capacity Deliverability Status**” has the meaning set forth in the CAISO Tariff.

“**Future Environmental Attributes**” shall mean any and all emissions, air quality or other environmental attributes (other than Green Attributes or Renewable Energy Incentives) under the RPS regulations and/or under any and all other international, federal, regional, state or other law, rule, regulation, bylaw, treaty or other intergovernmental compact, decision, administrative decision, program (including any voluntary compliance or membership program), competitive market or business method (including all credits, certificates, benefits, and emission measurements, reductions, offsets and allowances related thereto) that are attributable, now, or in the future, to the generation of electrical energy by the Facility. Future Environmental Attributes do not include (i) any energy, capacity, reliability or other power attributes from the Facility, (ii) investment or production tax credits associated with the construction or operation of the Facility and other financial incentives in the form of credits, reductions, or allowances associated with the Facility that are applicable to a state or federal income taxation obligation, (iii) fuel-related subsidies or “tipping fees” that may be paid to Seller to accept certain fuels, or local subsidies received by the generator for the destruction of particular preexisting pollutants or the promotion of local environmental benefits, or (iv) emission reduction credits encumbered or used by the Facility for compliance with local, state, or federal operating and/or air quality permits.

“**Gains**” means, with respect to any Party, an amount equal to the present value of the economic benefit to it, if any (exclusive of Costs), resulting from the termination of this Agreement for the remaining Contract Term, determined in a commercially reasonable manner. Factors used in determining the economic benefit to a Party may include, without limitation, reference to information supplied by one or more third parties, which shall exclude Affiliates of the Non-Defaulting Party, including without limitation, quotations (either firm or indicative) of relevant rates, prices, yields, yield curves, volatilities, spreads or other relevant market data in the relevant markets, comparable transactions, forward price curves based on economic analysis of the relevant markets, settlement prices for comparable transactions at liquid trading hubs (e.g., NP-15), all of which should be calculated for the remaining Contract Term, and includes the value of Green Attributes and Capacity Attributes.

“Governmental Authority” means any federal, state, provincial, local or municipal government, any political subdivision thereof or any other governmental, congressional or parliamentary, regulatory, or judicial instrumentality, authority, body, agency, department, bureau, or entity with authority to bind a Party at law, including CAISO; *provided, however*, that “Governmental Authority” shall not in any event include any Party.

“Green Attributes” means any and all credits, benefits, emissions reductions, offsets, and allowances, howsoever entitled, attributable to the generation from the Facility, and its displacement of conventional Energy generation. Green Attributes include but are not limited to Renewable Energy Credits, as well as: (1) any avoided emissions of pollutants to the air, soil or water such as sulfur oxides (SOx), nitrogen oxides (NOx), carbon monoxide (CO) and other pollutants; (2) any avoided emissions of carbon dioxide (CO₂), methane (CH₄), nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride and other greenhouse gases (GHGs) that have been determined by the United Nations Intergovernmental Panel on Climate Change, or otherwise by Law, to contribute to the actual or potential threat of altering the Earth’s climate by trapping heat in the atmosphere; (3) the reporting rights to these avoided emissions, such as Green Tag Reporting Rights. Green Tags are accumulated on a MWh basis and one Green Tag represents the Green Attributes associated with one (1) MWh of Energy. Green Attributes do not include (i) any energy, capacity, reliability or other power attributes from the Facility, (ii) investment or production tax credits associated with the construction or operation of the Facility and other financial incentives in the form of credits, reductions, or allowances associated with the Facility that are applicable to a state or federal income taxation obligation, (iii) fuel-related subsidies or “tipping fees” that may be paid to Seller to accept certain fuels, or local subsidies received by the generator for the destruction of particular preexisting pollutants or the promotion of local environmental benefits, or (iv) emission reduction credits encumbered or used by the Facility for compliance with local, state, or federal operating and/or air quality permits. If the Facility is a biomass or landfill gas facility and Seller receives any tradable Green Attributes based on the greenhouse gas reduction benefits or other emission offsets attributed to its fuel usage, it shall provide Buyer with sufficient Green Attributes to ensure that there are zero net emissions associated with the production of electricity from the Facility.

“Green Tag Reporting Rights” means the right of a purchaser of renewable energy to report ownership of accumulated “green tags” in compliance with and to the extent permitted by applicable Law and include, without limitation, rights under Section 1605(b) of the Energy Policy Act of 1992, and any present or future federal, state or local certification program or emissions trading program, including pursuant to the WREGIS Operating Rules.

“Guaranteed Capacity” means 200 MW AC capacity measured at the Delivery Point.

“Guaranteed Commercial Operation Date” has the meaning set forth in Exhibit B.

“Guaranteed Construction Start Date” has the meaning set forth in Exhibit B.

“Guaranteed Energy Production” has the meaning set forth in Section 4.7.

“Imbalance Energy” means the amount of Energy, in any given Settlement Period or Settlement Interval, by which the amount of Metered Energy deviates from the amount of

Scheduled Energy.

“Indemnified Party” has the meaning set forth in Section 17.1.

“Indemnifying Party” has the meaning set forth in Section 17.1.

“Initial Synchronization” means the initial delivery of Energy from the Facility to the interconnection point specified in the Interconnection Agreement.

“Installed Capacity” means the actual generating capacity of the Facility, measured at the Facility PNode and adjusted for ambient conditions on the date of the performance test, not to exceed the Guaranteed Capacity, as evidenced by a certificate substantially in the form attached as Exhibit I-2 hereto provided by Seller to Buyer.

“Interim Deliverability Status” has the meaning set forth in the CAISO Tariff.

“Inter-SC Trade” or **“IST”** has the meaning set forth in the CAISO Tariff.

“Interconnection Agreement” means the interconnection agreement entered into by Seller pursuant to which the Facility will be interconnected with the Transmission System, and pursuant to which Seller’s Interconnection Facilities and any other Interconnection Facilities will be constructed, operated and maintained during the Contract Term.

“Interconnection Facilities” means the interconnection facilities, control and protective devices and metering facilities required to connect the Facility with the Transmission System in accordance with the Interconnection Agreement.

“Interest Rate” has the meaning set forth in Section 8.2.

“Joint Powers Act” means the Joint Exercise of Powers Act of the State of California (Government Code Section 6500 et seq.).

“Joint Powers Agreement” means that certain Joint Powers Agreement dated February 29, 2016 under which Buyer is organized as a Joint Powers Authority in accordance with the Joint Powers Act.

“Law” means any applicable law, statute, rule, regulation, decision, writ, order, decree or judgment, permit or any interpretation thereof, promulgated or issued by a Governmental Authority.

“Lender” means, collectively, any Person (i) providing senior or subordinated construction, interim or long-term debt, equity or tax equity financing or refinancing for or in connection with the development, construction, purchase, installation or operation of the Facility, whether that financing or refinancing takes the form of private debt, equity, public debt or any other form (including financing or refinancing provided to a member or other direct or indirect owner of Seller), including any equity or tax equity investor directly or indirectly providing financing or refinancing for the Facility or purchasing equity ownership interests of Seller and/or its Affiliates, and any trustee or agent acting on their behalf, (ii) providing interest rate or

commodity protection under an agreement hedging or otherwise mitigating the cost of any of the foregoing obligations and/or (iii) participating in a lease financing (including a sale leaseback or leveraged leasing structure) with respect to the Facility.

“Letter(s) of Credit” means one or more irrevocable, standby letters of credit issued by a U.S. commercial bank or a foreign bank with a U.S. branch with such bank having a Credit Rating of at least A- with an outlook designation of “stable” from S&P or A3 with an outlook designation of “stable” from Moody’s, in a form substantially similar to the letter of credit set forth in Exhibit K or in such other form reasonably acceptable to the Parties.

“Local Capacity Area Resources” has the meaning set forth in the CAISO Tariff.

“Locational Marginal Price” or **“LMP”** has the meaning set forth in the CAISO Tariff.

“Losses” means, with respect to any Party, an amount equal to the present value of the economic loss to it, if any (exclusive of Costs), resulting from termination of this Agreement for the remaining Contract Term, determined in a commercially reasonable manner. Factors used in determining economic loss to a Party may include, without limitation, reference to information supplied by one or more third parties, which shall exclude Affiliates of the Non-Defaulting Party, including without limitation, quotations (either firm or indicative) of relevant rates, prices, yields, yield curves, volatilities, spreads or other relevant market data in the relevant markets, comparable transactions, forward price curves based on economic analysis of the relevant markets, settlement prices for comparable transactions at liquid trading hubs (e.g., NYMEX), all of which should be calculated for the remaining Contract Term and must include the value of Green Attributes, Capacity Attributes, and Renewable Energy Incentives.

“Lost Output” has the meaning set forth in Exhibit F.

“Metered Energy” means the electric energy generated by the Facility, expressed in MWh, as recorded by the CAISO Approved Meter(s) and net of all Electrical Losses and Station Use.

“Milestones” means the development activities for significant permitting, interconnection, financing and construction milestones set forth in the Cover Sheet.

“Moody’s” means Moody’s Investors Service, Inc., or its successor.

“MW” means megawatts measured in alternating current.

“MWh” means megawatt-hour measured in AC.

“Negative LMP” means, in any Settlement Period or Settlement Interval, whether in the Day-Ahead Market or Real-Time Market, the LMP is less than zero dollars (\$0).

“Negative LMP Costs” has the meaning set forth in Section 3.3(c).

“Net Qualifying Capacity” or **“NQC”** has the meaning set forth in the CAISO Tariff.

“Network Upgrades” has the meaning set forth in the CAISO Tariff.

“Non-Defaulting Party” has the meaning set forth in Section 11.2.

“Notice” shall, unless otherwise specified in the Agreement, mean written communications by a Party to be delivered by hand delivery, United States mail, overnight courier service, facsimile or electronic messaging (e-mail).

“Participating Intermittent Resource Program” or **“PIRP”** has the meaning set forth in the CAISO Tariff or a successor CAISO program for intermittent resources.

“Participating Transmission Owner” or **“PTO”** means an entity that owns, operates and maintains transmission or distribution lines and associated facilities and/or has entitlements to use certain transmission or distribution lines and associated facilities where the Facility is interconnected. For purposes of this Agreement, the Participating Transmission Owner is Pacific Gas & Electric Company.

“Party” has the meaning set forth in the Preamble.

“Performance Measurement Period” has the meaning set forth in Section 4.7.

“Person” means any individual, sole proprietorship, corporation, limited liability company, limited or general partnership, joint venture, association, joint-stock company, trust, incorporated organization, institution, public benefit corporation, unincorporated organization, government entity or other entity.

“Planned Outage” means an outage for Scheduled Maintenance under Section 6.1(b).

“PNode” has the meaning set forth in the CAISO Tariff.

“Portfolio Content Category” means PCC1, PCC2 or PCC3, as applicable.

“Portfolio Content Category 1” or **“PCC1”** means any Renewable Energy Credit associated with the generation of electricity from an Eligible Renewable Energy Resource consisting of the portfolio content set forth in California Public Utilities Code Section 399.16(b)(1), as may be amended from time to time or as further defined or supplemented by Law.

“Portfolio Content Category 2” or **“PCC2”** means any Renewable Energy Credit associated with the generation of electricity from an Eligible Renewable Energy Resource consisting of the portfolio content set forth in California Public Utilities Code Section 399.16(b)(2), as may be amended from time to time or as further defined or supplemented by Law.

“Portfolio Content Category 3” or **“PCC3”** means any Renewable Energy Credit associated with the generation of electricity from an Eligible Renewable Energy Resource consisting of the portfolio content set forth in California Public Utilities Code

Section 399.16(b)(3), as may be amended from time to time or as further defined or supplemented by Law.

“Product” means (i) Energy, (ii) Green Attributes, (iii) Capacity Attributes, and (iv) any Future Environmental Attributes as applicable in accordance with Section 3.6.

“Progress Report” means a progress report including the items set forth in Exhibit G.

[REDACTED]

“Prudent Operating Practice” means the practices, methods and standards of professional care, skill and diligence engaged in or approved by a significant portion of the electric power industry in the Western United States for facilities of similar size, type, and design, that, in the exercise of reasonable judgment, in light of the facts known at the time, would have been expected to accomplish results consistent with Law, reliability, safety, environmental protection, applicable codes, and standards of economy and expedition. Prudent Operating Practices are not necessarily defined as the optimal standard practice method or act to the exclusion of others, but rather refer to a range of actions reasonable under the circumstances.

[REDACTED]

[REDACTED]

“Qualifying Capacity” has the meaning set forth in the CAISO Tariff.

“RA Deficiency Amount” means the liquidated damages payment that Seller shall pay to Buyer for an applicable RA Shortfall Month as calculated in accordance with Section 3.9(b).

“RA Guarantee Date” means [REDACTED]

“RA Shortfall Month” means the applicable calendar month following the RA Guarantee Date during which Seller fails to provide Resource Adequacy Benefits as required hereunder for purposes of calculating an RA Deficiency Amount under Section 3.9(b).

“Real-Time Market” has the meaning set forth in the CAISO Tariff.

“Remedial Action Plan” has the meaning in Section 2.4.

“Renewable Energy Credit” has the meaning set forth in California Public Utilities Code Section 399.12(h), as may be amended from time to time or as further defined or supplemented by Law.

“Renewable Energy Incentives” means: (a) all federal, state, or local Tax credits or other Tax benefits associated with the construction, ownership, or production of electricity from the Facility (including credits under Sections 38, 45, 46 and 48 of the Internal Revenue Code of 1986, as amended); (b) any federal, state, or local grants, subsidies or other like benefits relating in any way to the Facility, including a cash grant available under Section 1603 of Division B of the American Recovery and Reinvestment Act of 2009, provided in lieu of federal Tax credits or any similar or substitute payment available under subsequently enacted federal legislation; and (c) any other form of incentive relating in any way to the Facility that are not a Green Attribute or a Future Environmental Attribute.

“Replacement Energy” has the meaning given in Exhibit F.

“Replacement Green Attributes” has the meaning given in Exhibit F.

“Replacement Product” has the meaning given in Exhibit F.

“Replacement RA” means Resource Adequacy Benefits, if any, equivalent to those that would have been provided by the Facility with respect to the applicable month in which a RA Deficiency Amount is due to Buyer, and located within the Northern Area TAC Area (as described in the CAISO Tariff) and, to the extent that the Facility would have qualified as a Local Capacity Area Resource for such month, described as a Local Capacity Area Resource.

“Resource Adequacy Benefits” means the rights and privileges attached to the Facility that satisfy any entity’s resource adequacy obligations, as those obligations are set forth in CPUC Decisions 04-01-050, 04-10-035, 05-10-042, 06-06-064, 06-07-031 and any subsequent CPUC ruling or decision or by any other entity including CAISO, and shall include any local, zonal or otherwise locational attributes associated with the Facility.

“S&P” means the Standard & Poor’s Financial Services, LLC (a subsidiary of The McGraw-Hill Companies, Inc.) or its successor.

“Schedule” has the meaning set forth in the CAISO Tariff.

“Scheduled Energy” means the Day-Ahead Schedule, FMM Schedule, and/or any other financially binding Schedule, market instruction or dispatch for the Facility for a given period of time.

“Scheduled Maintenance” has the meaning set forth in Section 6.1(b).

“Scheduling Coordinator” or **“SC”** means an entity certified by the CAISO as qualifying as a Scheduling Coordinator pursuant to the CAISO Tariff for the purposes of undertaking the functions specified in “Responsibilities of a Scheduling Coordinator,” of the CAISO Tariff, as amended from time to time.

“Security Interest” has the meaning set forth in Section 8.4.

“Self-Schedule” has the meaning set forth in the CAISO Tariff.

“Seller” has the meaning set forth on the Cover Sheet.



“Seller Development Security” means (i) cash or (ii) a Letter of Credit in the amount specified on the Cover Sheet, deposited with Buyer in conformance with Section 8.7.

“Seller Performance Security” means (i) cash, (ii) a Letter of Credit, or (iii) a Seller Parent Guaranty, in the amount specified on the Cover Sheet, deposited with Buyer in conformance with Section 8.8.

“Seller Parent Guarantor” means, with respect to Seller, any Person that Seller proposes to guaranty the obligations of Seller hereunder and that Buyer approves in its sole discretion, exercised without undue delay.

“Seller Parent Guaranty” means a guaranty from the Seller Parent Guarantor provided for the benefit of Buyer substantially in the form attached as Exhibit E.

“Seller’s WREGIS Account” has the meaning set forth in Section 4.8(a).

“Settlement Amount” means the Non-Defaulting Party’s Costs and Losses, on the one hand, netted against its Gains, on the other. If the Non-Defaulting Party’s Costs and Losses exceed its Gains, then the Settlement Amount shall be an amount owing to the Non-Defaulting Party. If the Non-Defaulting Party’s Gains exceed its Costs and Losses, then the Settlement Amount shall be zero dollars (\$0).

“Settlement Interval” has the meaning set forth in the CAISO Tariff.

“Settlement Period” has the meaning set forth in the CAISO Tariff, which as of the Effective Date is the period beginning at the start of the hour and ending at the end of the hour.

“Site” means the real property on which the Facility is or will be located, as further described in Exhibit A, and as shall be updated by Seller at the time Seller provides an executed Construction Start Date Certificate to Buyer, in substantially the form of the Form of Construction Start Date Certificate in Exhibit J.

“Site Control” means that Seller: (a) owns or has the option to purchase the Site; (b) is the lessee or has the option to lease the Site; or (c) is the holder of an easement or an option for an easement, right-of-way grant, or similar instrument with respect to the Site.

“Station Use” means:

(a) The electric energy produced by the Facility that is used within the Facility to power the lights, motors, control systems and other electrical loads that are necessary for operation of the Facility; and

(b) The electric energy produced by the Facility that is consumed within the Facility’s electric energy distribution system as losses.

“System Emergency” means any condition that: (a) requires, as determined and declared by CAISO or the PTO, automatic or immediate action to (i) prevent or limit harm to or loss of life or property, (ii) prevent loss of transmission facilities or generation supply in the immediate vicinity of the Facility, or (iii) to preserve Transmission System reliability, and (b) directly affects the ability of any Party to perform under any term or condition in this Agreement, in whole or in part.

“Tax” or **“Taxes”** means all U.S. federal, state and local and any foreign taxes, levies, assessments, surcharges, duties and other fees and charges of any nature imposed by a Governmental Authority, whether currently in effect or adopted during the Contract Term, including ad valorem, excise, franchise, gross receipts, import/export, license, property, sales and use, stamp, transfer, payroll, unemployment, income, and any and all items of withholding, deficiency, penalty, additions, interest or assessment related thereto.

“Terminated Transaction” has the meaning set forth in Section 11.2.

“Termination Payment” has the meaning set forth in Section 11.3.

“Test Energy” means the Energy delivered (a) commencing on the later of (i) the first date that the CAISO informs Seller in writing that Seller may deliver Energy from the Facility to the CAISO and (ii) the first date that the PTO informs Seller in writing that Seller has conditional or temporary permission to parallel and (b) ending upon the occurrence of the Commercial Operation Date.

“Transmission System” means the transmission facilities operated by the CAISO, now or hereafter in existence, which provide energy transmission service downstream from the Delivery Point.

“Variable Energy Resource” or **“VER”** has the meaning set forth in the CAISO Tariff.

“Variable Energy Resource Forecast” or **“VER Forecast”** means, for a given period, the final forecast of the Energy to be produced by the Facility prepared by the CAISO in accordance with the Eligible Intermittent Resources Protocol.

“WECC” means the Western Electricity Coordinating Council or its successor.

“**WREGIS**” means the Western Renewable Energy Generation Information System or any successor renewable energy tracking program.

“**WREGIS Certificate Deficit**” has the meaning set forth in Section 4.8(e).

“**WREGIS Certificates**” has the same meaning as “Certificate” as defined by WREGIS in the WREGIS Operating Rules and are designated as eligible for complying with the California Renewables Portfolio Standard.

“**WREGIS Operating Rules**” means those operating rules and requirements adopted by WREGIS as of December 2010, as subsequently amended, supplemented or replaced (in whole or in part) from time to time.

1.2 **Rules of Interpretation.** In this Agreement, except as expressly stated otherwise or unless the context otherwise requires:

(a) headings and the rendering of text in bold and italics are for convenience and reference purposes only and do not affect the meaning or interpretation of this Agreement;

(b) words importing the singular include the plural and vice versa and the masculine, feminine and neuter genders include all genders;

(c) the words “hereof”, “herein”, and “hereunder” and words of similar import shall refer to this Agreement as a whole and not to any particular provision of this Agreement;

(d) a reference to an Article, Section, paragraph, clause, Party, or Exhibit is a reference to that Section, paragraph, clause of, or that Party or Exhibit to, this Agreement unless otherwise specified;

(e) a reference to a document or agreement, including this Agreement shall mean such document, agreement or this Agreement including any amendment or supplement to, or replacement, novation or modification of this Agreement, but disregarding any amendment, supplement, replacement, novation or modification made in breach of such document, agreement or this Agreement;

(f) a reference to a Person includes that Person’s successors and permitted assigns;

(g) the term “including” means “including without limitation” and any list of examples following such term shall in no way restrict or limit the generality of the word or provision in respect of which such examples are provided;

(h) references to any statute, code or statutory provision are to be construed as a reference to the same as it may have been, or may from time to time be, amended, modified or reenacted, and include references to all bylaws, instruments, orders and regulations for the time being made thereunder or deriving validity therefrom unless the context otherwise requires;

(i) in the event of a conflict, a mathematical formula or other precise description of a concept or a term shall prevail over words providing a more general description of a concept or a term;

(j) references to any amount of money shall mean a reference to the amount in United States Dollars;

(k) the expression “and/or” when used as a conjunction shall connote “any or all of”;

(l) words, phrases or expressions not otherwise defined herein that (i) have a generally accepted meaning in Prudent Operating Practice shall have such meaning in this Agreement or (ii) do not have well known and generally accepted meaning in Prudent Operating Practice but that have well known and generally accepted technical or trade meanings, shall have such recognized meanings; and

(m) each Party acknowledges that it was represented by counsel in connection with this Agreement and that it or its counsel reviewed this Agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this Agreement.

ARTICLE 2

TERM; CONDITIONS PRECEDENT

2.1 Contract Term.

(a) The term of this Agreement shall commence on the Effective Date and shall remain in full force and effect until the conclusion of the Delivery Term, subject to any early termination provisions set forth herein (“**Contract Term**”).

(b) Applicable provisions of this Agreement shall continue in effect after termination, including early termination, to the extent necessary to enforce or complete the duties, obligations or responsibilities of the Parties arising prior to termination. The confidentiality obligations of the Parties under Article 19 shall remain in full force and effect for two (2) years following the termination of this Agreement, and all indemnity and audit rights shall remain in full force and effect for one (1) year following the termination of this Agreement.

2.2 Conditions Precedent. The Delivery Term shall not commence until Seller completes each of the following conditions:

(a) Seller shall have delivered to Buyer certificates from a licensed professional engineer substantially in the form of Exhibits I-1 and I-2;

(b) A Participating Generator Agreement and a Meter Service Agreement between Seller and CAISO shall have been executed and delivered and be in full force and effect, and a copy of each such agreement delivered to Buyer;

(c) An Interconnection Agreement between Seller and the PTO shall have been executed and delivered and be in full force and effect and a copy of the Interconnection Agreement delivered to Buyer;

(d) Seller shall have delivered to Buyer a copy of all environmental impact reports, studies or assessments prepared by or obtained by Seller or its Affiliates, the conditional use permit or other principal land use approval for the Facility, and a certificate signed by an authorized representative of Seller stating that Seller is in compliance with the requirements of the conditional use permit or other principal land use approval;

(e) Seller has received CEC Precertification;

(f) Seller (with the reasonable participation of Buyer) shall have completed all applicable WREGIS registration requirements, including the completion and submittal of all applicable registration forms and supporting documentation, which may include applicable interconnection agreements, informational surveys related to the Facility, QRE service agreements, and other appropriate documentation required to effect Facility registration with WREGIS and to enable Renewable Energy Credit transfers related to the Facility within the WREGIS system;

(g) Seller has delivered the Seller Performance Security to Buyer;

[REDACTED]

(i) Seller has paid Buyer for all Daily Delay Damages and Commercial Operation Delay Damages owing under this Agreement, if any.

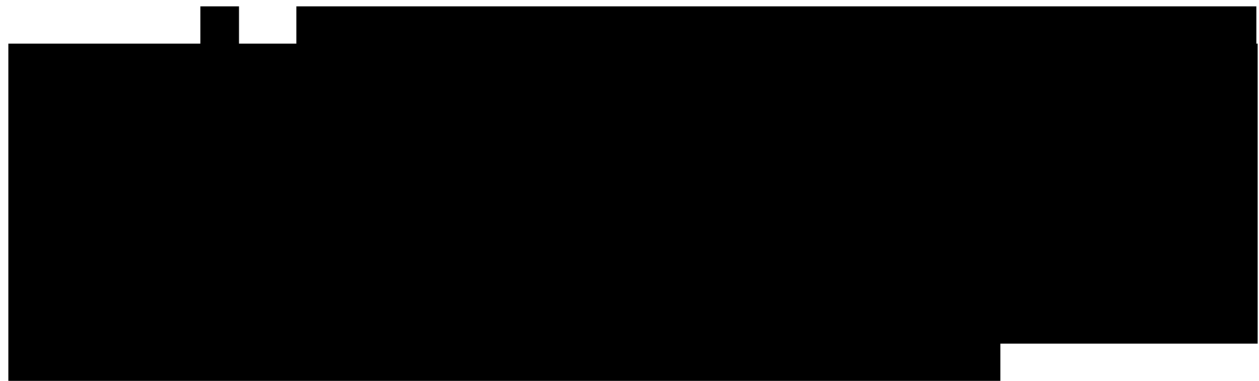
2.3 **Progress Reports.** The Parties agree time is of the essence in regards to the Agreement. For new facilities or existing facilities that are to be re-powered before Commercial Operation, within fifteen (15) days after the close of (i) each calendar quarter from the first calendar quarter following the Effective Date until the Construction Start Date, and (ii) each calendar month from the first calendar month following the Construction Start Date until the Commercial Operation Date, Seller shall provide to Buyer a Progress Report and agree to regularly scheduled meetings between representatives of Buyer and Seller to review such monthly reports and discuss Seller's construction progress. The form of the Progress Report is set forth in Exhibit G. Seller shall also provide Buyer with any reasonable requested documentation directly related to the achievement of Milestones within ten (10) Business Days of receipt of such request by Seller.

2.4 **Remedial Action Plan.** If Seller misses three (3) or more Milestones, or misses any one (1) by more than ninety (90) days, Seller shall submit to Buyer, within ten (10) Business Days of such missed Milestone completion date (or the ninetieth (90th) day after the missed Milestone completion date, as applicable), a remedial action plan ("Remedial Action Plan"), which will describe in detail any delays (actual or anticipated) beyond the scheduled Milestone dates, including the cause of the delay (e.g., governmental approvals, financing, property acquisition, design activities, equipment procurement, project construction, interconnection, or any other

factor), and Seller's detailed description of its proposed course of action to achieve the missed Milestones and all subsequent Milestones by the Guaranteed Commercial Operation Date; provided, that delivery of any Remedial Action Plan shall not relieve Seller of its obligation to provide Remedial Action Plans with respect to any subsequent Milestones and to achieve the Guaranteed Commercial Operation Date in accordance with the terms of this Agreement. If the missed Milestone(s) is not the Guaranteed Construction Start Date or the Guaranteed Commercial Operation Date, and so long as Seller complies with its obligations under this Section 2.4, then Seller shall not be considered in default of its obligations under this Agreement as a result of missing such Milestone(s).

ARTICLE 3 PURCHASE AND SALE

3.1 **Sale of Product.** (a) Subject to the terms and conditions of this Agreement, during the Delivery Term, Seller shall sell and deliver to Buyer, and Buyer shall purchase and receive from Seller at the Contract Price, all of the Product produced by the Facility. Buyer shall re-sell all of the Energy during the Delivery Term, and may, at its sole discretion, re-sell or use for another purpose all or a portion of the remainder of the Product during the Delivery Term; provided that such resale or use for another purpose will not relieve Buyer of any of its obligations under this Agreement. Except for Deemed Delivered Energy, Buyer has no obligation to pay Seller for any Product that is not delivered as a result of any circumstance, including, an outage of the Facility, a Force Majeure Event, Scheduled Maintenance or a Curtailment Order. In no event shall Seller have the right to procure any element of the Product from sources other than the Facility for sale or delivery to Buyer under this Agreement, except with respect to Replacement RA and Replacement Product.



3.2 **Sale of Green Attributes.** During the Delivery Term, Seller shall sell and deliver to Buyer, and Buyer shall purchase and receive from Seller, all of the Green Attributes produced by the Facility.

3.3 **Compensation.** Buyer shall compensate Seller for the Product in accordance with this Section 3.3 and for Replacement Product in accordance with Section 4.7.

(a) Buyer shall pay Seller the Contract Price for each MWh of Product, as measured by the amount of Metered Energy plus Deemed Delivered Energy, if any, up to one hundred fifteen percent (115%) of the Expected Energy for such Contract Year.

(b) If, at any point in any Contract Year, the amount of Metered Energy, plus the amount of Deemed Delivered Energy exceeds one hundred fifteen percent (115%) of the Expected Energy for such Contract Year, for each additional MWh of Product, as measured by the amount of Metered Energy plus Deemed Delivered Energy, if any, delivered to Buyer in such Contract Year, the price to be paid shall be the lesser of (i) seventy-five percent (75%) of the Contract Price or (ii) the Day-Ahead price for the applicable Settlement Interval.

(c) If during any Settlement Interval, Seller delivers Product in amounts, as measured by the amount of Metered Energy, in excess of the product of the Installed Capacity and the duration of the Settlement Interval, expressed in hours (“**Excess MWh**”), then the price applicable to all such Excess MWh in such Settlement Interval shall be zero dollars (\$0), and if there is a Negative LMP during such Settlement Interval, Seller shall pay to Buyer an amount equal to the absolute value of the Negative LMP times the number of such Excess MWh (“**Negative LMP Costs**”).

3.4 **Imbalance Energy.**

(a) Buyer and Seller recognize that from time to time the amount of Metered Energy will deviate from the amount of Scheduled Energy. Buyer and Seller shall cooperate to minimize charges and imbalances associated with Imbalance Energy to the extent possible. Subject to Section 3.4(b), to the extent there are such deviations, any CAISO costs or revenues assessed as a result of such Imbalance Energy shall be solely for the account of Buyer.

(b) Following the Effective Date the Parties shall cooperate to prepare and mutually agree upon a written protocol (the “**Imbalance Energy Cost Protocol**”) to set forth appropriate administrative details to carry out the Parties’ agreement as follows: (i) the Parties shall coordinate to maintain detailed records of all CAISO revenues and charges associated with Imbalance Energy; (ii) if Seller is not in compliance with EIRP or any applicable provisions of this Agreement, including Section 4.4(d), or if Imbalance Energy results from any outage or reduction in the availability of the Facility that is not communicated to Buyer at least one hour before the deadline to submit Schedules to CAISO, then Seller will be responsible for and shall pay directly or promptly reimburse Buyer (and Buyer may offset amounts owed to Seller) for the aggregate Imbalance Energy charges assessed, net of the aggregate Imbalance Energy revenues earned, during such period of noncompliance and reasonably attributable to such noncompliance within the applicable Contract Year.

3.5 **Ownership of Renewable Energy Incentives.** Seller shall have all right, title and interest in and to all Renewable Energy Incentives. Buyer acknowledges that any Renewable Energy Incentives belong to Seller. If any Renewable Energy Incentives, or values representing the same, are initially credited or paid to Buyer, Buyer shall cause such Renewable Energy Incentives or values relating to same to be assigned or transferred to Seller without delay. Buyer shall reasonably cooperate with Seller, at Seller’s sole expense, in Seller’s efforts to meet the requirements for any certification, registration, or reporting program relating to Renewable Energy Incentives.

3.6 **Future Environmental Attributes.**

(a) The Parties acknowledge and agree that as of the Effective Date, Future Environmental Attributes may be created by a Governmental Authority through Laws enacted after the Effective Date. Buyer shall have the right to obtain such Future Environmental Attributes at no additional cost. Subject to Section 3.13, Seller shall take all reasonable actions necessary to realize the full value of such Future Environmental Attributes for the benefit of Buyer, and shall cooperate with Buyer in Buyer's efforts to do the same.

(b) If Buyer elects to receive Future Environmental Attributes pursuant to Section 3.6(a), the Parties agree to negotiate in good faith with respect to the development of further agreements and documentation necessary to effectuate the transfer of such Future Environmental Attributes, including agreement with respect to (i) appropriate transfer, delivery and risk of loss mechanisms, and (ii) appropriate allocation of any additional costs, as set forth above; *provided*, that the Parties acknowledge and agree that such terms are not intended to alter the other material terms of this Agreement.

3.7 **Test Energy.** If and to the extent the Facility generates Test Energy, Seller shall sell and Buyer shall purchase from Seller all Test Energy on an as-available basis. As compensation for such Test Energy, Buyer shall pay to Seller for such Test Energy at a price equal to [REDACTED]

3.8 **Capacity Attributes.** Seller shall request Full Capacity Deliverability Status in the CAISO generator interconnection process. As between Buyer and Seller, Seller shall be responsible for the cost and installation of any Network Upgrades associated with obtaining such Full Capacity Deliverability Status.

(a) Throughout the Delivery Term, subject to Section 3.13, Seller grants, pledges, assigns and otherwise commits to Buyer all of the Capacity Attributes from the Facility.

(b) Throughout the Delivery Term, subject to Section 3.13, Seller shall use commercially reasonable efforts to maintain eligibility for Full Capacity Deliverability Status or Interim Deliverability Status for the Facility from the CAISO and shall perform all actions necessary to ensure that the Facility qualifies to provide Resource Adequacy Benefits to Seller. Throughout the Delivery Term, subject to Section 3.13, Seller hereby covenants and agrees to transfer all Resource Adequacy Benefits to Buyer.

(c) For the duration of the Delivery Term, subject to Section 3.13, Seller shall take all commercially reasonable actions, including complying with all applicable registration and reporting requirements, and execute any and all documents or instruments necessary to enable Buyer to use all of the Capacity Attributes committed by Seller to Buyer pursuant to this Agreement.

3.9 **Resource Adequacy Failure.**

(a) **RA Deficiency Determination.** Notwithstanding Seller's obligations set forth in Section 4.3 or anything to the contrary herein, the Parties acknowledge and agree that if Seller has indicated that the Facility will have FCDS on the Cover Sheet, but has failed to obtain

such status for the Facility by the RA Guarantee Date, or if Seller otherwise fails to provide Resource Adequacy Benefits as required hereunder, then Seller shall pay to Buyer the RA Deficiency Amount for each RA Shortfall Month as liquidated damages due to Buyer for the Capacity Attributes that Seller failed to convey to Buyer.

(b) RA Deficiency Amount Calculation. For each RA Shortfall Month, Seller shall pay to Buyer an amount (the “**RA Deficiency Amount**”) equal to the product of the difference, expressed in kW, of (i) the Qualifying Capacity of the Facility for such month, minus (ii) the Net Qualifying Capacity of the Facility for such month, multiplied by \$3.00/kW-mo; *provided* that Seller may, as an alternative to paying RA Deficiency Amounts, provide Replacement RA in the amount of (X) the Qualifying Capacity of the Facility with respect to such month, minus (Y) the Net Qualifying Capacity of the Facility with respect to such month, provided that any Replacement RA capacity is communicated to Buyer at least sixty (60) calendar days before the CPUC operating month for the purpose of monthly RA reporting.

3.10 CEC Certification and Verification. Subject to Section 3.13, Seller shall take all necessary steps including, but not limited to, making or supporting timely filings with the CEC to obtain and maintain CEC Precertification and CEC Final Certification and Verification for the Facility. Seller shall obtain CEC Precertification by the Commercial Operation Date. Within thirty (30) days after the Commercial Operation Date, Seller shall apply with the CEC for CEC Final Certification and Verification. Within one hundred eighty (180) days after the Commercial Operation Date, Seller shall obtain and maintain throughout the remainder of the Delivery Term the CEC Final Certification and Verification. Seller must promptly notify Buyer and the CEC of any changes to the information included in Seller’s application for CEC Precertification or CEC Final Certification and Verification for the Facility. For the first one hundred eighty (180) days of the Delivery Term, provided that Seller has obtained and maintained CEC Precertification, Buyer shall pay Seller the Contract Price for Product according to Section 3.3 regardless of whether Seller has obtained CEC Final Certification and Verification. If Seller has not obtained CEC Final Certification and Verification within one hundred eighty (180) days after the Commercial Operation Date, Buyer will compensate Seller for the Product at the lower of (i) the Contract Price, as adjusted according to Section 3.3, or (ii) the Day-Ahead LMP, for the remainder of the Delivery Term, or until Seller obtains CEC Final Certification and Verification. If Seller obtains CEC Final Certification and Verification after one hundred eighty (180) days after the Commercial Operation Date, Buyer will begin paying Seller the Contract Price for Product according to Section 3.3, and, if such CEC Final Certification and Verification relates back to all Energy delivered by Seller during the Delivery Term, will reimburse Seller for the difference between (x) any reduced amounts paid to Seller for Product under this Section 3.10 due to Seller’s failure to obtain CEC Final Certification and Verification within one hundred eighty (180) days after the Commercial Operation Date, and (y) the amount that would have been paid to Seller had Seller timely obtained CEC Final Certification and Verification within one hundred eighty (180) days after the Commercial Operation Date. If Seller has not obtained CEC Final Certification and Verification within one (1) year of the Commercial Operation Date, then an Event of Default shall occur, Buyer shall have all remedies available under this Agreement, including under Section 11.2, and, in the event that Buyer terminates this Agreement under Section 11.2, Seller shall reimburse Buyer, in addition to any other amounts owed, in an amount equal to the difference between (a) the amount paid by Buyer to Seller for Product during the first one hundred eighty (180) days of the Delivery

Term, and (b) the amount that would have been paid if the price for energy delivered during the first one hundred eighty (180) days of the Delivery Term were the Day Ahead LMP.

3.11 **Eligibility.** Seller, and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement that: (i) the Facility qualifies and is certified by the CEC as an Eligible Renewable Energy Resource as such term is defined in Public Utilities Code Section 399.12 or Section 399.16; and (ii) the Facility's output delivered to Buyer qualifies under the requirements of the California Renewables Portfolio Standard. To the extent a change in Law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in Law. The term "commercially reasonable efforts" as used in this Section 3.11 means efforts consistent with and subject to Section 3.13.

3.12 **California Renewables Portfolio Standard.** Subject to Section 3.13, Seller shall also take all other actions necessary to ensure that the Energy produced from the Facility is tracked for purposes of satisfying the California Renewables Portfolio Standard requirements, as may be amended or supplemented by California statute or by the CPUC or CEC from time to time.

3.13 **Compliance Expenditure Cap.** If Seller establishes to Buyer's reasonable satisfaction that a change in Laws occurring after the Effective Date has increased Seller's cost above the cost that could reasonably have been contemplated as of the Effective Date to take all actions to comply with Seller's obligations under the Agreement with respect to obtaining, maintaining, conveying or effectuating Buyer's use of (as applicable), the items listed in Sections 3.13(a), (b), (c), and (d), then the Parties agree that the maximum amount of costs and expenses Seller shall be required to bear during the Delivery Term shall be capped at [REDACTED]

- (a) CEC Certification and Verification;
- (b) Green Attributes;
- (c) Future Environmental Attributes; and,
- (d) Capacity Attributes.

Any actions required for Seller to comply with its obligations set forth in the first paragraph above, the cost of which will be included in the Compliance Expenditure Cap, shall be referred to collectively as the "**Compliance Actions.**"

If Seller reasonably anticipates the need to incur out-of-pocket expenses in excess of the Compliance Expenditure Cap in order to take any Compliance Action, Seller shall provide Notice to Buyer of such anticipated out-of-pocket expenses.

Buyer will have sixty (60) days to evaluate such Notice (during which time period Seller is not obligated to take any Compliance Actions described in the Notice) and shall, within such time, either (1) agree to reimburse Seller for all of the costs that exceed the Compliance Expenditure

Cap (such Buyer-agreed upon costs, the “**Accepted Compliance Costs**”), or (2) waive Seller’s obligation to take such Compliance Actions, or any part thereof for which Buyer has not agreed to reimburse Seller. If Buyer does not respond to a Notice given by Seller under this Section 3.13 within sixty (60) days after Buyer’s receipt of same, Buyer shall be deemed to have waived its rights to require Seller to take the Compliance Actions that are the subject of the Notice, and Seller shall have no further obligation to take, and no liability for any failure to take, these Compliance Actions for the remainder of the Term.

If Buyer agrees to reimburse Seller for the Accepted Compliance Costs, then Seller shall take such Compliance Actions covered by the Accepted Compliance Costs as agreed upon by the Parties and Buyer shall reimburse Seller for Seller’s actual costs to effect the Compliance Actions, not to exceed the Accepted Compliance Costs, within sixty (60) days from the time that Buyer receives an invoice and reasonable documentation of such costs from Seller.

ARTICLE 4 OBLIGATIONS AND DELIVERIES

4.1 Delivery.

(a) Energy. Subject to the terms and conditions of this Agreement, Seller shall make available and Buyer shall accept at the Delivery Point all Metered Energy on an as-generated, instantaneous basis. Each Party shall perform all generation, scheduling, and transmission services in compliance with (i) the CAISO Tariff, (ii) WECC scheduling practices, and (iii) Prudent Operating Practice.

(b) Green Attributes. Seller hereby provides and conveys all Green Attributes associated with the Facility as part of the Product being delivered. Seller represents and warrants that Seller holds the rights to all Green Attributes from the Facility, and Seller agrees to convey and hereby conveys all such Green Attributes to Buyer as included in the delivery of the Product from the Facility.

4.2 Title and Risk of Loss.

(a) Energy. Title to and risk of loss related to the Metered Energy shall pass and transfer from Seller to Buyer at the Delivery Point.

(b) Green Attributes. Title to and risk of loss related to the Green Attributes shall pass and transfer from Seller to Buyer upon the transfer of such Green Attributes in accordance with WREGIS.

4.3 Scheduling Coordinator Responsibilities.

(a) Buyer as Scheduling Coordinator for the Facility. Upon initial synchronization of the Facility to the CAISO Grid, Buyer shall be the Scheduling Coordinator or designate a qualified third party to provide Scheduling Coordinator services with the CAISO for the Facility for both the delivery and the receipt of the Product at the Delivery Point. At least thirty (30) days prior to the initial synchronization of the Facility to the CAISO Grid, (i) Seller shall take all actions and execute and deliver to Buyer and the CAISO all documents necessary to authorize

or designate Buyer as Seller's Scheduling Coordinator for the Facility effective as of the initial synchronization of the Facility to the CAISO Grid, and (ii) Buyer shall, and shall cause its designee to, take all actions and execute and deliver to Seller and the CAISO all documents necessary to authorize or designate Buyer or its designee as the Scheduling Coordinator for the Facility effective as of the initial synchronization of the Facility to the CAISO Grid. On and after initial synchronization of the Facility to the CAISO Grid, Seller shall not authorize or designate any other party to act as Seller's Scheduling Coordinator, nor shall Seller perform for its own benefit the duties of Scheduling Coordinator, and Seller shall not revoke Buyer's authorization to act as Seller's Scheduling Coordinator unless agreed to by Buyer. Buyer (as Seller's SC) shall submit Schedules to the CAISO in accordance with this Agreement and the applicable CAISO Tariff, protocols and Scheduling practices for Product on a day-ahead, hour-ahead, fifteen-minute market or real time basis, as determined by Buyer.

(b) Notices. Buyer (as Seller's SC) shall provide Seller with access to a web based system through which Seller shall submit to Buyer and the CAISO all notices and updates required under the CAISO Tariff regarding the Facility's status, including, but not limited to, all outage requests, Forced Facility Outages, Forced Facility Outage reports, clearance requests, or must offer waiver forms. Seller will cooperate with Buyer to provide such notices and updates. If the web based system is not available, Seller shall promptly submit such information to Buyer and the CAISO (in order of preference) telephonically, by electronic mail, or facsimile transmission to the personnel designated to receive such information.

(c) CAISO Costs and Revenues. Except as otherwise set forth below and in Section 3.4(b), Buyer (as Scheduling Coordinator for the Facility) shall be responsible for CAISO costs (including penalties, Imbalance Energy costs or revenues, and other charges) and shall be entitled to all CAISO revenues (including credits, Imbalance Energy revenues or costs, and other payments), including revenues associated with CAISO dispatches, bid cost recovery, Inter-SC Trade credits, or other credits in respect of the Product Scheduled or delivered from the Facility. Seller shall be responsible for all CAISO penalties resulting from any failure by Seller to abide by the CAISO Tariff or this Agreement (except to the extent such non-compliance is caused by Buyer's failure to perform its duties as Scheduling Coordinator for the Facility). The Parties agree that any Availability Incentive Payments are for the benefit of the Seller and for Seller's account and that any Non-Availability Charges are the responsibility of the Seller and for Seller's account. In addition, if during the Delivery Term, the CAISO implements or has implemented any sanction or penalty related to scheduling, outage reporting, or generator operation, and any such sanctions or penalties are imposed upon the Facility or to Buyer as Scheduling Coordinator due to the actions or inactions of Seller, the cost of the sanctions or penalties shall be the Seller's responsibility.

(d) CAISO Settlements. Buyer (as Seller's SC) shall be responsible for all settlement functions with the CAISO related to the Facility. Buyer shall render a separate invoice to Seller for any CAISO charges or penalties ("**CAISO Charges Invoice**") for which Seller is responsible under this Agreement, including Section 3.4(b). CAISO Charges Invoices shall be rendered after settlement information becomes available from the CAISO that identifies any CAISO charges. Notwithstanding the foregoing, Seller acknowledges that the CAISO will issue additional invoices reflecting CAISO adjustments to such CAISO charges. Buyer will review, validate, and if requested by Seller under Section 4.3(e) below, dispute any charges that are the responsibility of Seller in a timely manner and consistent with Buyer's existing settlement

processes for charges that are Buyer's responsibilities. Subject to Seller's right to dispute and to have Buyer pursue the dispute of any such invoices, Seller shall pay the amount of CAISO Charges Invoices within ten (10) Business Days of Seller's receipt of the CAISO Charges Invoice. If Seller fails to pay such CAISO Charges Invoice within that period, Buyer may net or offset any amounts owing to it for these CAISO Charges Invoices against any future amounts it may owe to Seller under this Agreement. The obligations under this section with respect to payment of CAISO Charges Invoices shall survive the expiration or termination of this Agreement.

(e) Dispute Costs. Buyer (as Seller's SC) may be required by Seller to dispute CAISO settlements in respect of the Facility. Seller agrees to pay Buyer's costs and expenses (including reasonable attorneys' fees) associated with its involvement with such CAISO disputes to the extent they relate to CAISO charges payable by Seller with respect to the Facility that Seller has directed Buyer to dispute.

(f) Terminating Buyer's Designation as Scheduling Coordinator. At least thirty (30) days prior to expiration of this Agreement or as soon as reasonably practicable upon an earlier termination of this Agreement, the Parties will take all actions necessary to terminate the designation of Buyer as Scheduling Coordinator for the Facility as of 11:59 p.m. on such expiration date.

(g) Master Data File and Resource Data Template. Seller shall provide the data to the CAISO (and to Buyer) that is required for the CAISO's Master Data File and Resource Data Template (or successor data systems) for this Facility consistent with this Agreement. Neither Party shall change such data without the other Party's prior written consent, not to be unreasonably withheld.

(h) NERC Reliability Standards. Buyer (as Scheduling Coordinator) shall cooperate reasonably with Seller to the extent necessary to enable Seller to comply, and for Seller to demonstrate Seller's compliance with, NERC reliability standards. This cooperation shall include the provision of information in Buyer's possession that Buyer (as Scheduling Coordinator) has provided to the CAISO related to the Facility or actions taken by Buyer (as Scheduling Coordinator) related to Seller's compliance with NERC reliability standards.

4.4 **Forecasting.** Seller shall provide the forecasts described below. Seller's Available Capacity forecasts shall include availability and updated status of key equipment for the Facility. Seller shall use commercially reasonable efforts to forecast the Available Capacity and expected Metered Energy of the Facility accurately and to transmit such information in a format reasonably acceptable to Buyer (or Buyer's designee).

(a) Annual Forecast of Expected Metered Energy. No less than ninety (90) days before (i) the first day of the first Contract Year of the Delivery Term and (ii) the beginning of each calendar year for every subsequent Contract Year during the Delivery Term, Seller shall provide a non-binding forecast of each month's average-day expected Metered Energy, by hour, for the following calendar year in a form reasonably acceptable to Buyer.

(b) Monthly Forecast of Available Capacity. No less than thirty (30) days before the beginning of Commercial Operation, and thereafter ten (10) Business Days before the

beginning of each month during the Delivery Term, Seller shall provide to Buyer and Buyer's designee (if applicable) a non-binding forecast of the hourly Available Capacity for each day of the following month in a form reasonably acceptable to Buyer.

(c) Daily Forecast of Available Capacity. By 5:30 AM Pacific Prevailing Time on the Business Day immediately preceding the date of delivery, Seller shall provide Buyer with a non-binding forecast of the Facility's Available Capacity (or if requested by Buyer, the expected Metered Energy) for each hour of the immediately succeeding day ("**Day-Ahead Forecast**"). A Day-Ahead Forecast provided in a day prior to any non-Business Day(s) shall include non-binding forecasts for the immediate day, each succeeding non-Business Day and the next Business Day. Each Day-Ahead Forecast shall clearly identify, for each hour, Seller's best estimate of the Facility's Available Capacity (or if requested by Buyer, the expected Metered Energy).

(d) Real-Time Available Capacity. During the Delivery Term, Seller shall notify Buyer of any changes in Available Capacity of one (1) MW or more, whether due to Forced Facility Outage, Force Majeure or other cause, as soon as reasonably possible, but no later than one (1) hour prior to the deadline for submitting Schedules to the CAISO in accordance with the rules for participation in the Real-Time Market. If the Available Capacity changes by at least one (1) MW as of a time that is less than one (1) hour prior to the Real-Time Market deadline, but before such deadline, then Seller must notify Buyer as soon as reasonably possible. Such Notices shall contain information regarding the beginning date and time of the event resulting in the change in Available Capacity, the expected end date and time of such event, the expected Available Capacity in MW, and any other information required by the CAISO or reasonably requested by Buyer. With respect to any Forced Facility Outage, Seller shall use commercially reasonable efforts to notify Buyer of such outage within ten (10) minutes of the commencement of the Forced Facility Outage. Seller shall inform Buyer of any developments that will affect either the duration of such outage or the availability of the Project during or after the end of such outage. These notices and changes to Available Capacity shall be communicated in a method acceptable to Buyer; provided that Buyer specifies the method no later than sixty (60) days prior to the effective date of such requirement. In the event Buyer fails to provide Notice of an acceptable method for communications under this Section 4.4(d), then Seller shall send such communications by telephone to Buyer and shall be sent to Buyer's web based system.

4.5 Dispatch Down/Curtailment.

(a) General. Seller agrees to reduce the Facility's generation by the amount and for the period set forth in any Curtailment Order, Buyer Curtailment Order, or notice received from CAISO in respect of a Buyer Bid Curtailment. Buyer has no obligation to purchase or pay for any Product delivered in violation of any Curtailment Order, Buyer Curtailment Order, or notice received from CAISO in respect of a Buyer Bid Curtailment, or for any Product that could not be delivered to the Delivery Point due to Force Majeure.

(b) Buyer Curtailment. Buyer shall have the right to order Seller to curtail deliveries of Energy from the Facility to the Delivery Point for reasons unrelated to Force Majeure Events or Curtailment Orders pursuant to a dispatch notice delivered to Seller, provided that Buyer shall pay Seller for all Deemed Delivered Energy associated with a Buyer Curtailment Period in excess of the Curtailment Cap at the applicable Contract Price.

(c) Failure to Comply. If Seller fails to comply with a Buyer Curtailment Order, Buyer Bid Curtailment or Curtailment Order, then, for each MWh of Metered Energy that the Facility generated in contradiction to the Buyer Curtailment Order, Buyer Bid Curtailment or Curtailment Order, Seller shall pay Buyer for each such MWh at an amount equal to the sum of (A) + (B) + (C), where: (A) is the amount, if any, paid to Seller by Buyer for delivery of such MWh and, (B) is the Negative LMP Cost, if any, for the Buyer Curtailment Period or Curtailment Period and, (C) is any penalties or other charges resulting from Seller's failure to comply with the Buyer Curtailment Order, Buyer Bid Curtailment or Curtailment Order.

4.6 **Reduction in Delivery Obligation.** For the avoidance of doubt, and in no way limiting Section 3.1 or Exhibit F:

(a) Facility Maintenance. Seller shall be permitted to reduce deliveries of Product during any period of Scheduled Maintenance.

(b) Forced Facility Outage. Seller shall be permitted to reduce deliveries of Product during any Forced Facility Outage. Seller shall provide Buyer with Notice and expected duration (if known) of any Forced Facility Outage.

(c) System Emergencies and other Interconnection Events. Seller shall be permitted to reduce deliveries of Product during any period of System Emergency, Buyer Curtailment Period, or upon Notice of a Curtailment Order, or pursuant to the terms of the Interconnection Agreement or applicable tariff.

(d) Force Majeure Event. Seller shall be permitted to reduce deliveries of Product during any Force Majeure Event.

(e) Health and Safety. Seller shall be permitted to reduce deliveries of Product as necessary to maintain health and safety pursuant to Section 6.2.

4.7 **Expected Energy and Guaranteed Energy Production.** The quantity of Product, as measured by Metered Energy, that Seller expects to be able to deliver to Buyer during each Contract Year is set forth on the Cover Sheet ("**Expected Energy**"). Seller shall be required to deliver to Buyer an amount of Energy, not including any Excess MWh, equal to no less than the Guaranteed Energy Production (as defined below) in any period of two (2) consecutive Contract Years during the Delivery Term ("**Performance Measurement Period**"). "**Guaranteed Energy Production**" means an amount of Product, as measured in MWh, equal to one-hundred sixty percent (160%) of the average Expected Energy for the two (2) Contract Years constituting such Performance Measurement Period. Seller shall be excused from achieving the Guaranteed Energy Production during any Performance Measurement Period only to the extent that Seller was unable to deliver energy as a result of any Force Majeure Events, Buyer Default, Curtailment Periods and Buyer Curtailment Periods; to effectuate the foregoing excuse, Seller shall be deemed to have generated (1) the Deemed Delivered Energy in respect of Buyer Curtailment Periods, and (2) an amount of Energy determined in accordance with Exhibit F in respect of Lost Output. In addition, for purposes of determining whether Seller has achieved the Guaranteed Energy Production, Seller shall be deemed to have delivered to Buyer, in the first Contract Year of each Performance Measurement Period following a Performance Measurement Period as to which Seller has paid

damages calculated in accordance with Exhibit F, the Product in the amount equal to the greater of the amount of Metered Energy actually delivered in such Contract Year, less Excess MWh, or eighty percent (80%) of the Expected Energy for such Contract Year. If Seller fails to achieve the Guaranteed Energy Production amount in any Performance Measurement Period, Seller shall pay Buyer damages calculated in accordance with Exhibit F; *provided* that Seller may, as an alternative, provide Replacement Product (as defined in Exhibit F) that is (i) delivered to Buyer at NP 15 EZ Gen Hub, (ii) scheduled via day-ahead Inter-SC Trades within ninety (90) days after the conclusion of the applicable Performance Measurement Period and within the same calendar year in the event that Seller fails to deliver the Guaranteed Energy Production during any Performance Measurement Period, (iii) delivered upon a schedule reasonably acceptable to Buyer, and (iv) delivered to Buyer without imposing additional costs upon Buyer; provided further that Buyer will pay Seller for all such Replacement Product provided pursuant to this Section 4.7 at the Contract Price.

4.8 **WREGIS**. Seller shall, at its sole expense, but subject to Section 3.13, take all actions and execute all documents or instruments necessary to ensure that all WREGIS Certificates associated with all Renewable Energy Credits corresponding to all Metered Energy are issued and tracked for purposes of satisfying the requirements of the California Renewables Portfolio Standard for Buyer's sole benefit. Seller shall comply with all Laws, including the WREGIS Operating Rules, regarding the certification and issuance of such WREGIS Certificates to Buyer, and Buyer shall be given sole title to all such WREGIS Certificates. In addition:

(a) Prior to the Commercial Operation Date, Seller shall register the Facility with WREGIS and establish an account with WREGIS in Buyer's name ("**Buyer's WREGIS Account**"), which shall be maintained until the end of the Delivery Term. Seller shall cause and allow Buyer to be the "Account Holder" for Buyer's WREGIS Account (as that term is defined by WREGIS). Seller shall be responsible for all expenses associated with registering the Facility with WREGIS, establishing and maintaining Buyer's WREGIS Account and paying WREGIS Certificate issuance fees.

(b) Seller shall cause itself or its agent to be designated as the "Qualified Reporting Entity" (as that term is defined by WREGIS) for the Facility.

(c) Seller shall, at its sole expense, ensure that the WREGIS Certificates for a given calendar month correspond with the Metered Energy for such calendar month as evidenced by the Facility's metered data.

(d) Due to the ninety (90) day delay in the creation of WREGIS Certificates relative to the timing of invoice payment under Section 8.2, Buyer shall make an invoice payment for a given month in accordance with Section 8.2 before the WREGIS Certificates for such month are formally issued to Buyer in accordance with the WREGIS Operating Rules and this Section 4.8. Notwithstanding this delay, Buyer shall have all right and title to all such WREGIS Certificates upon payment to Seller in accordance with Section 8.2.

(e) A "**WREGIS Certificate Deficit**" means any deficit or shortfall in WREGIS Certificates issued to Buyer for a calendar month as compared to the Metered Energy for the same calendar month ("**Deficient Month**"). [REDACTED]



(f) If WREGIS changes the WREGIS Operating Rules after the Effective Date or applies the WREGIS Operating Rules in a manner inconsistent with this Section 4.8 after the Effective Date, the Parties promptly shall modify this Section 4.8 as reasonably required to cause and enable Seller to transfer to Buyer's WREGIS Account a quantity of WREGIS Certificates for each given calendar month that corresponds to the Metered Energy in the same calendar month.

(g) Seller warrants that all necessary steps to allow the Renewable Energy Credits to be issued to Buyer and tracked in WREGIS will be taken prior to the first delivery under the contract.

4.9 **Financial Statements.** In the event a Seller Parent Guaranty is provided as Seller Performance Security in lieu of cash or a Letter of Credit, Seller shall provide to Buyer, or cause the Seller Parent Guarantor to provide to Buyer, unaudited quarterly and annual audited financial statements of the Seller Parent Guarantor (including a balance sheet and statements of income and cash flows), all prepared in accordance with generally accepted accounting principles in the United States, consistently applied.

4.10 **Storage Facility.** At Buyer's request, Seller shall meet with Buyer to discuss in good faith locating an energy storage facility on a portion of the Site ("**Storage Facility**"). The Parties shall use commercially reasonable efforts and reasonable diligence in the pursuit of any such discussions.

4.11 **Access to Data and Installation and Maintenance of Weather Station.**

(a) Commencing on the Commercial Operation Date, and continuing throughout the Delivery Term, Seller shall provide to Buyer, in a form reasonably acceptable to Buyer, the data set forth below on a real-time basis; provided that Seller shall agree to make and bear the cost of changes to any of the data delivery provisions below, as requested by Buyer, throughout the Delivery Term, which changes Buyer determines are necessary to forecast output

from the Facility, and/or comply with Law:

(i) read-only access to meteorological measurements, transformer availability, any other facility availability information, and, if applicable, all parameters necessary for use in the equation under item (vii) of this list;

(ii) read-only access to energy output information collected by the supervisory control and data acquisition (SCADA) system for the Facility; provided that if Buyer is unable to access the Facility's SCADA system, then upon written request from Buyer, Seller shall provide energy output information and meteorological measurements to Buyer in 1 minute intervals in the form of a flat file to Buyer through a secure file transport protocol (FTP) system with an e-mail back up for each flat file submittal;

(iii) read-only access to the Facility's CAISO revenue meter and all Facility meter data at the Site;

(iv) full, real time access to the Facility's Scheduling and Logging for the CAISO (OMS) client application, or its successor system;

(v) net plant electrical output at the CAISO revenue meter;

(vi) instantaneous data measurements at sixty (60) second or increased frequency for the following parameters, which measurements shall be provided by Seller to Buyer in a consolidated data report at least once every five minutes via flat file through a secure file transport protocol (FTP) system with an e-mail backup: (i) back panel temperature (ii) global horizontal irradiance, (iii) plane of array irradiance (if the panels are fixed) or direct normal irradiance (if the panels are tracking), (iv) wind speed, (v) peak wind speed (within one minute), (vi) wind direction, (vii) ambient air temperature, (viii) dewpoint air temperature or relative humidity, (ix) horizontal visibility, (x) precipitation (rain rate), (xi) precipitation (running 30 day total), and (xii) barometric pressure; and

(vii) an equation, updated on an ongoing basis to reflect the potential generation of the Project as a function of insolation (and, if applicable, other weather factors). Such equation shall take into account the expected availability of the Facility. Seller shall reasonably cooperate with any request from Buyer to adjust the equation due to results that are inconsistent with the observed Facility output.

For any month in which the above information and access was not available to Buyer for longer than twenty-four (24) continuous hours, Seller shall prepare and provide to Buyer upon Buyer's request a report with the Facility's monthly actual available capacity in a form reasonably acceptable to Buyer.

(b) Seller shall maintain at least a minimum of one hundred twenty (120) days' historical data for all data required pursuant to Section 4.11(a), which shall be available on a minimum time interval of one hour basis or an hourly average basis, except with respect to the meteorological measurements which shall be available on a minimum time interval of ten (10) minute basis. Seller shall provide such data to Buyer within five (5) Business Days of Buyer's request.

(c) Installation, Maintenance and Repair.

(i) Seller, at its own expense, shall install and maintain at least one (1) stand-alone meteorological station at the Site to monitor and report the meteorological data required in Section 4.11(a) of this Agreement. Seller, at its own expense, shall install and maintain a secure communication link in order to provide Buyer with access to the data required in Section 4.11(a) of this Agreement.

(ii) Seller shall maintain the meteorological stations, telecommunications path, hardware, and software necessary to provide accurate data to Buyer or Buyer's designee to enable Buyer to meet current CAISO scheduling requirements. Seller shall promptly repair and replace as necessary such meteorological stations, telecommunications path, hardware and software and shall notify Buyer as soon as Seller learns that any such telecommunications paths, hardware and software are providing faulty or incorrect data.

(iii) If Buyer notifies Seller of the need for maintenance, repair or replacement of the meteorological stations, telecommunications path, hardware or software, Seller shall maintain, repair or replace such equipment as necessary within five (5) days of receipt of such Notice; provided that if Seller is unable to repair or replace such equipment within five (5) days, then Seller shall make such repair or replacement as soon as reasonably practical; provided further that Seller shall not be relieved from liability for any Imbalance Energy costs incurred under Section 3.4(b) during this additional period for repair or replacement.

(iv) For any occurrence in which Seller's telecommunications system is not available or does not provide quality data and Buyer notifies Seller of the deficiency or Seller becomes aware of the occurrence, Seller shall transmit data to Buyer through any alternate means of verbal or written communication, including cellular communications from onsite personnel, facsimile, blackberry or equivalent mobile e-mail, or other method mutually agreed upon by the Parties, until the telecommunications link is re-established.

(d) Seller agrees and acknowledges that Buyer may seek and obtain from third parties any information relevant to its duties as Scheduling Coordinator for Seller, including from the Participating Transmission Operator. Seller shall execute within a commercially reasonable timeframe upon request such instruments as are reasonable and necessary to enable Buyer to obtain from the Participating Transmission Operator information concerning Seller and the Facility that may be necessary or useful to Buyer in furtherance of Buyer's duties as Scheduling Coordinator for the Facility.

(e) No later than ninety (90) days before the Commercial Operation Date, Seller shall provide one (1) year, if available, but no less than six (6) months, of recorded meteorological data to Buyer in a form reasonably acceptable to Buyer from a weather station at the Site. Such weather station shall provide, via remote access to Buyer, all data relating to (i) the parameters (other than back panel temperature) identified in Section 4.11(a)(vi) above (all data, except peak values, should be 1-second samples averaged into 10-minute periods); (ii) elevation, latitude and longitude of the weather station; and (iii) any other data reasonably requested by Buyer.

ARTICLE 5 TAXES

5.1 **Allocation of Taxes and Charges.** Seller shall pay or cause to be paid all Taxes on or with respect to the Facility or on or with respect to the sale and making available Energy to Buyer, that are imposed on Energy prior to the Delivery Point. Buyer shall pay or cause to be paid all Taxes on or with respect to the delivery to and purchase by Buyer of Energy that are imposed on Energy at and from the Delivery Point (other than withholding or other Taxes imposed on Seller's income, revenue, receipts or employees). If a Party is required to remit or pay Taxes that are the other Party's responsibility hereunder, such Party shall promptly pay the Taxes due and then seek and receive reimbursement from the other for such Taxes. In the event any sale of Energy hereunder is exempt from or not subject to any particular Tax, Buyer shall provide Seller with all necessary documentation within thirty (30) days after the Effective Date to evidence such exemption or exclusion. If Buyer does not provide such documentation, then Buyer shall indemnify, defend, and hold Seller harmless from any liability with respect to Taxes from which Buyer claims it is exempt.

5.2 **Cooperation.** Each Party shall use reasonable efforts to implement the provisions of and administer this Agreement in accordance with the intent of the Parties to minimize all Taxes, so long as no Party is materially adversely affected by such efforts. The Parties shall cooperate to minimize Tax exposure; *provided, however*, that neither Party shall be obligated to incur any financial or operational burden to reduce Taxes for which the other Party is responsible hereunder without receiving due compensation therefor from the other Party. All Energy delivered by Seller to Buyer hereunder shall be a sale made at wholesale, with Buyer reselling such Energy.

ARTICLE 6 MAINTENANCE OF THE FACILITY

6.1 Maintenance of the Facility.

(a) Seller shall comply with Law and Prudent Operating Practice relating to the operation and maintenance of the Facility and the generation and sale of Product.

(b) Seller shall have the right to perform [REDACTED] scheduled maintenance ("Scheduled Maintenance") on the Facility per Contract Year. Seller shall provide Buyer with its schedule of all Scheduled Maintenance no later than October 1 of each Contract Year. Seller shall use commercially reasonable efforts to accommodate reasonable requests of Buyer with respect to adjusting the timing of Scheduled Maintenance and shall, to the extent feasible and consistent with Prudent Operating Practice, arrange for Scheduled Maintenance to occur only between October 1 and May 1 of each year. Seller may modify its schedule of Scheduled Maintenance upon reasonable advance notice to Buyer, subject to reasonable requests of Buyer and consistent with Section 4.4.

6.2 **Maintenance of Health and Safety.** Seller shall take reasonable safety precautions with respect to the operation, maintenance, repair and replacement of the Facility. If Seller becomes aware of any circumstances relating to the Facility that create an imminent risk of damage or injury to any Person or any Person's property, Seller shall take prompt, reasonable

action to prevent such damage or injury and shall give Buyer's emergency contact identified on Exhibit D Notice of such condition. Such action may include disconnecting and removing all or a portion of the Facility, or suspending the supply of Energy to Buyer.

ARTICLE 7 METERING

7.1 **Metering.** Seller shall measure the amount of Energy produced by the Facility using a CAISO Approved Meter, using a CAISO-approved methodology. Such meter shall be installed on the high side of the Seller's transformer and maintained at Seller's cost. The meter shall be kept under seal, such seals to be broken only when the meters are to be tested, adjusted, modified or relocated. In the event that Seller breaks a seal, Seller shall notify Buyer as soon as practicable. In addition, Seller hereby agrees to provide all meter data to Buyer in a form reasonably acceptable to Buyer, and consents to Buyer obtaining from CAISO the CAISO meter data applicable to the Facility and all inspection, testing and calibration data and reports. Seller and Buyer shall cooperate to allow both Parties to retrieve the meter reads from the CAISO Operational Meter Analysis and Reporting (OMAR) web and/or directly from the CAISO meter(s) at the Facility.

7.2 **Meter Verification.** If Seller has reason to believe there may be a meter malfunction, Seller may test the meter. Annually, upon Buyer's reasonable request, Seller shall test the meter. The tests shall be conducted by independent third parties qualified to conduct such tests. Buyer shall be notified seven (7) days in advance of such tests and have a right to be present during such tests. If a meter is inaccurate it shall be promptly repaired or replaced. If a meter is inaccurate by more than one percent (1%) and it is not known when the meter inaccuracy commenced (if such evidence exists such date will be used to adjust prior invoices), then the invoices covering the period of time since the last meter test shall be adjusted for the amount of the inaccuracy on the assumption that the inaccuracy persisted during one-half of such period.

ARTICLE 8 INVOICING AND PAYMENT; CREDIT

8.1 **Invoicing.** Seller shall make good faith efforts to deliver an invoice to Buyer for Product no sooner than fifteen (15) Business Days after the end of the prior monthly billing period. Each invoice shall provide Buyer (a) records of metered data, including CAISO metering and transaction data sufficient to document and verify the generation of Product by the Facility for any Settlement Period during the preceding month, including the amount of Product in MWh produced by the facility as read by the CAISO Approved Meter, the amount of Replacement RA and Replacement Product delivered to Buyer, the calculation of Deemed Delivered Energy and Adjusted Energy Production, and the Contract Price applicable to such Product; and (b) access to any records, including invoices or settlement data from the CAISO, necessary to verify the accuracy of any amount. Invoices shall be in a format specified by Buyer, covering the services provided in the preceding month determined in accordance with the applicable provisions of this Agreement.

8.2 **Payment.** Buyer shall make payment to Seller for Product by wire transfer or ACH payment to the bank account provided on each monthly invoice. Buyer shall pay undisputed

invoice amounts within thirty (30) days after receipt of the invoice. If such due date falls on a weekend or legal holiday, such due date shall be the next Business Day. Payments made after the due date will be considered late and will bear interest on the unpaid balance. If the amount due is not paid on or before the due date or if any other payment that is due and owing from one party to another is not paid on or before its applicable due date, a late payment charge shall be applied to the unpaid balance and shall be added to the next billing statement. Such late payment charge shall be calculated based on an annual interest rate equal to the prime rate published on the date of the invoice in The Wall Street Journal (or, if The Wall Street Journal is not published on that day, the next succeeding date of publication), plus two percent (2%) (the “Interest Rate”). If the due date occurs on a day that is not a Business Day, the late payment charge shall begin to accrue on the next succeeding Business Day.

8.3 **Books and Records.** To facilitate payment and verification, each Party shall maintain all books and records necessary for billing and payments, including copies of all invoices under this Agreement, for a period of at least two (2) years or as otherwise required by Law. Either Party, upon fifteen (15) days written Notice to the other Party, shall be granted reasonable access to the accounting books and records within the possession or control of the other Party pertaining to all invoices generated pursuant to this Agreement.

8.4 **Payment Adjustments; Billing Errors.** Payment adjustments shall be made if Buyer or Seller discovers there have been good faith inaccuracies in invoicing that are not otherwise disputed under Section 8.5, an adjustment to an amount previously invoiced or paid is required due to a correction of data by the CAISO, or there is determined to have been a meter inaccuracy sufficient to require a payment adjustment. If the required adjustment is in favor of Buyer, Buyer’s next monthly payment shall be credited in an amount equal to the adjustment. If the required adjustment is in favor of Seller, Seller shall add the adjustment amount to Buyer’s next monthly invoice. Adjustments in favor of either Buyer or Seller shall bear interest, until settled in full, in accordance with Section 8.2, accruing from the date on which the adjusted amount should have been due. Except for adjustments required due to a correction of data by the CAISO, any adjustment described in this Section 8.4 is waived if Notice of the adjustment is not provided within twelve (12) months after the invoice is rendered or subsequently adjusted.

8.5 **Billing Disputes.** A Party may, in good faith, dispute the correctness of any invoice or any adjustment to an invoice rendered under this Agreement, or adjust any invoice for any arithmetic or computational error, within twelve (12) months of the date the invoice, or adjustment to an invoice, was rendered. In the event an invoice or portion thereof, or any other claim or adjustment arising hereunder, is disputed, payment of the undisputed portion of the invoice shall be required to be made when due. Any invoice dispute or invoice adjustment shall be in writing and shall state the basis for the dispute or adjustment. Payment of the disputed amount shall not be required until the dispute is resolved. Upon resolution of the dispute, any required payment shall be made within five (5) Business Days of such resolution along with interest accrued at the Interest Rate from and including the original due date to but excluding the date paid. Inadvertent overpayments shall be returned upon request or deducted by the Party receiving such overpayment from subsequent payments, with interest accrued at the Interest Rate from and including the date of such overpayment to but excluding the date repaid or deducted by the Party receiving such overpayment. Any dispute with respect to an invoice is waived if the other Party is not notified in accordance with this Section 8.5 within twelve (12) months after the invoice is rendered or

subsequently adjusted, except to the extent any misinformation was from a party other than the Party seeking the adjustment and such party corrects its information after the twelve-month period. If an invoice is not rendered within twelve (12) months after the close of the month during which performance occurred, the right to payment for such performance is waived.

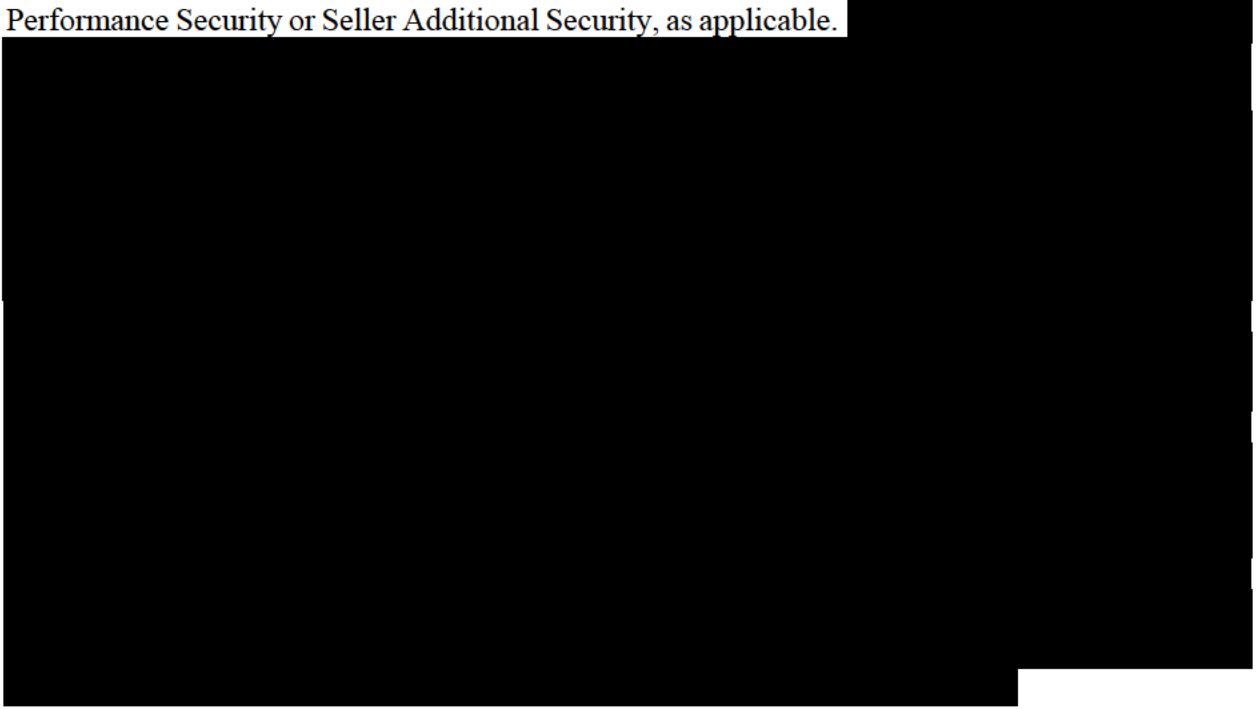
8.6 **Netting of Payments.** The Parties hereby agree that they shall discharge mutual debts and payment obligations due and owing to each other on the same date through netting, in which case all amounts owed by each Party to the other Party for the purchase and sale of Product during the monthly billing period under this Agreement, including any related damages calculated pursuant to Exhibits B and E, interest, and payments or credits, shall be netted so that only the excess amount remaining due shall be paid by the Party who owes it.

8.7 **Seller Development Security.** To secure Seller's obligations under this Agreement, including the obligations of Seller to pay liquidated damages to Buyer as provided in this Agreement, Seller shall deliver Seller Development Security to Buyer in the amount of

Buyer will have the right to draw upon the Seller Development Security if Seller fails to pay liquidated damages owed to Buyer pursuant to Exhibit B to this Agreement or fails to pay a Termination Payment owed to Buyer pursuant to Section 11.2. Seller shall maintain the Seller Development Security in full force and effect and Seller shall replenish the Seller Development Security in the event Buyer collects or draws down any portion of the Seller Development Security for any reason permitted under this Agreement other than to satisfy a Damage Payment or a Termination Payment. Following the earlier of (i) Seller's delivery of the Seller Performance Security, or (ii) sixty (60) days after termination of this Agreement, Buyer shall promptly return the Seller Development Security to Seller, less the amounts drawn in accordance with this Agreement. If the Seller Development Security is a Letter of Credit and the issuer of such Letter of Credit (i) fails to maintain the minimum Credit Rating specified in the definition of Letter of Credit, (ii) indicates its intent not to renew such Letter of Credit and such Letter of Credit expires prior to the Commercial Operation Date, or (iii) fails to honor Buyer's properly documented request to draw on such Letter of Credit by such issuer, Seller shall have five (5) Business Days to either post cash or deliver a substitute Letter of Credit that meets the requirements set forth in the definition of Seller Development Security.

8.8 **Seller Performance Security and Seller Additional Security.** To secure its obligations under this Agreement, Seller shall deliver Seller Performance Security in the amount of [REDACTED] and the Seller Additional Security to Buyer on or before the Commercial Operation Date. Buyer shall make a claim against the Seller Performance Security prior to Seller making a claim against the Seller Additional Security. If the Seller Performance Security is provided in the form of a Seller Parent Guaranty, it shall be substantially in the form set forth in Exhibit E. Seller shall maintain the Seller Performance Security and the Seller Additional Security in full force and effect and Seller shall replenish the Seller Performance Security in the event Buyer collects or draws down any portion of the Seller Performance Security for any reason permitted under this Agreement other than to satisfy a Damage Payment or a Termination Payment. Seller shall maintain the Seller Performance Security and the Seller Additional Security in full force and effect until the following have occurred: (A) the Delivery Term has expired or terminated early; and (B) all payment obligations of the Seller arising under this Agreement, including compensation for

penalties, Termination Payment, indemnification payments or other damages are paid in full (whether directly or indirectly such as through set-off or netting). Following the occurrence of both events, Buyer shall promptly return to Seller the unused portion of the Seller Performance Security and release the Seller Additional Security. If the Seller Performance Security and/or Seller Additional Security is a Letter of Credit and the issuer of such Letter of Credit (i) fails to maintain the minimum Credit Rating set forth in the definition of Letter of Credit, (ii) indicates its intent not to renew such Letter of Credit and such Letter of Credit expires prior to the end of the Delivery Term, or (iii) fails to honor Buyer's properly documented request to draw on such Letter of Credit by such issuer, Seller shall have five (5) Business Days to either post cash or deliver a substitute Letter of Credit that meets the requirements set forth in the definition of Seller Performance Security or Seller Additional Security, as applicable.



8.9 First Priority Security Interest in Cash or Cash Equivalent Collateral. To secure its obligations under this Agreement, and until released as provided herein, (i) Seller hereby grants to Buyer a present and continuing first-priority security interest ("**Security Interest**") in, and lien on (and right to net against), and assignment of the Seller Development Security, Seller Performance Security, any other cash collateral and cash equivalent collateral posted pursuant to Sections 8.7 and 8.8 and any and all interest thereon or proceeds resulting therefrom or from the liquidation thereof, whether now or hereafter held by, on behalf of, or for the benefit of Buyer, and Seller agrees to take all action as Buyer reasonably requires in order to perfect Buyer's Security Interest in, and lien on (and right to net against), such collateral and any and all proceeds resulting therefrom or from the liquidation thereof.

Upon or any time after the occurrence of an Event of Default caused by Seller, an Early Termination Date resulting from an Event of Default caused by Seller, or an occasion provided for in this Agreement where Buyer is authorized to retain all or a portion of the Seller Development Security or Seller Performance Security, Buyer may do any one or more of the following (in each case subject to the final sentence of this Section 8.9):

- (a) Exercise any of its rights and remedies with respect to the Seller Development Security and Seller Performance Security, including any such rights and remedies under Law then in effect;
- (b) Draw on any outstanding Letter of Credit issued for its benefit and retain any cash held by Buyer as Seller Development Security or Seller Performance Security; and
- (c) Liquidate all Seller Development Security or Seller Performance Security (as applicable) then held by or for the benefit of Buyer free from any claim or right of any nature whatsoever of Seller, including any equity or right of purchase or redemption by Seller.

Buyer shall apply the proceeds of the collateral realized upon the exercise of any such rights or remedies to reduce Seller's obligations under this Agreement, subject to Buyer's obligation to return any surplus proceeds remaining after these obligations are satisfied in full.

[REDACTED]

[REDACTED]



ARTICLE 9 NOTICES

9.1 **Addresses for the Delivery of Notices.** Any Notice required, permitted, or contemplated hereunder shall be in writing, shall be addressed to the Party to be notified at the address set forth on the Cover Sheet or at such other address or addresses as a Party may designate for itself from time to time by Notice hereunder.

9.2 **Acceptable Means of Delivering Notice.** Each Notice required, permitted, or contemplated hereunder shall be deemed to have been validly served, given or delivered as follows: (a) if sent by a regularly scheduled overnight delivery carrier with delivery fees either prepaid or an arrangement with such carrier made for the payment of such fees, the next Business Day after the same is delivered by the sending Party to such carrier; (b) if sent by electronic communication (including electronic mail, facsimile, or other electronic means) and if concurrently with the transmittal of such electronic communication the sending Party provides a copy of such electronic Notice by hand delivery or express courier, at the time indicated by the time stamp upon delivery; or (c) if delivered in person, upon receipt by the receiving Party. Notwithstanding the foregoing, Notices of outages or other scheduling or dispatch information or

requests, may be sent by electronic communication and shall be considered delivered upon successful completion of such transmission.

ARTICLE 10

FORCE MAJEURE

10.1 Definition.

(a) “**Force Majeure Event**” means any act or event that delays or prevents a Party from timely performing all or a portion of its obligations under this Agreement or from complying with all or a portion of the conditions under this Agreement if such act or event, despite the exercise of reasonable efforts, cannot be avoided by and is beyond the reasonable control (whether direct or indirect) of and without the fault or negligence of the Party relying thereon as justification for such delay, nonperformance, or noncompliance.

(b) Without limiting the generality of the foregoing, so long as the following events, despite the exercise of reasonable efforts, cannot be avoided by, and are beyond the reasonable control (whether direct or indirect) of and without the fault or negligence of the Party relying thereon as justification for such delay, nonperformance or noncompliance, a Force Majeure Event may include an act of God or the elements, such as flooding, lightning, hurricanes, tornadoes, or ice storms; explosion; fire; volcanic eruption; flood; epidemic; landslide; mudslide; sabotage; terrorism; earthquake; or other cataclysmic events; an act of public enemy; war; blockade; civil insurrection; riot; civil disturbance; strikes or other labor difficulties caused or suffered by a Party or any third party except as set forth below.

(c) Notwithstanding the foregoing, the term “**Force Majeure Event**” does not include (i) economic conditions that render a Party’s performance of this Agreement at the Contract Price unprofitable or otherwise uneconomic (including Buyer’s ability to buy Energy at a lower price, or Seller’s ability to sell Energy at a higher price, than the Contract Price); (ii) Seller’s inability to obtain permits or approvals of any type for the construction, operation, or maintenance of the Facility; (iii) the inability of a Party to make payments when due under this Agreement, unless the cause of such inability is an event that would otherwise constitute a Force Majeure Event as described above that disables physical or electronic facilities necessary to transfer funds to the payee Party; (iv) a Curtailment Period, except to the extent such Curtailment Period is caused by a Force Majeure Event; (v) Seller’s inability to obtain sufficient labor, equipment, materials, or other resources to build or operate the Facility except to the extent such inability is caused by a Force Majeure Event; (vi) a strike, work stoppage or labor dispute limited only to any one or more of Seller, Seller’s Affiliates, Seller’s contractors, their subcontractors thereof or any other third party employed by Seller to work on the Facility; (vii) any equipment failure except if such equipment failure is caused by a Force Majeure Event; or (viii) Seller’s inability to achieve Construction Start of the Facility following the Guaranteed Construction Start Date or achieve Commercial Operation following the Guaranteed Commercial Operation Date; it being understood and agreed, for the avoidance of doubt, that the occurrence of a Force Majeure Event may give rise to a Development Cure Period.

10.2 No Liability If a Force Majeure Event Occurs. Neither Seller nor Buyer shall be liable to the other Party in the event it is prevented from performing its obligations hereunder

in whole or in part due to a Force Majeure Event. Buyer shall not be obligated to pay for any Product that Seller was not able to deliver as a result of Force Majeure. The Party rendered unable to fulfill any obligation by reason of a Force Majeure Event shall take reasonable actions necessary to remove such inability with due speed and diligence. Nothing herein shall be construed as permitting that Party to continue to fail to perform after said cause has been removed. The obligation to use due speed and diligence shall not be interpreted to require resolution of labor disputes by acceding to demands of the opposition when such course is inadvisable in the discretion of the Party having such difficulty. Neither Party shall be considered in breach or default of this Agreement if and to the extent that any failure or delay in the Party's performance of one or more of its obligations hereunder is caused by a Force Majeure Event. The occurrence and continuation of a Force Majeure Event shall not suspend or excuse the obligation of a Party to make any payments due hereunder.

10.3 **Notice.** In the event of any delay or nonperformance resulting from a Force Majeure Event, the Party suffering the Force Majeure Event shall (a) as soon as practicable, notify the other Party in writing of the nature, cause, estimated date of commencement thereof, and the anticipated extent of any delay or interruption in performance, and (b) notify the other Party in writing of the cessation or termination of such Force Majeure Event, all as known or estimated in good faith by the affected Party; *provided, however*, that a Party's failure to give timely Notice shall not affect such Party's ability to assert that a Force Majeure Event has occurred unless the delay in giving Notice materially prejudices the other Party.

10.4 **Termination Following Force Majeure Event.** If a Force Majeure Event has occurred that has caused either Party to be wholly or partially unable to perform its obligations hereunder, and has continued for a consecutive [REDACTED] month period, then the non-claiming Party may terminate this Agreement upon written Notice to the other Party with respect to the Facility experiencing the Force Majeure Event. Upon any such termination, neither Party shall have any liability to the other, save and except for those obligations specified in Section 2.1(b), Buyer shall promptly return to Seller any Seller Development Security or Seller Performance Security then held by Buyer and Seller shall promptly return to Buyer any Buyer Development Security or Buyer Performance Security then held by Seller.

ARTICLE 11

DEFAULTS; REMEDIES; TERMINATION

11.1 **Events of Default.** An "**Event of Default**" shall mean,

(a) with respect to a Party (the "**Defaulting Party**") that is subject to the Event of Default the occurrence of any of the following:

(i) the failure by such Party to make, when due, any payment required pursuant to this Agreement and such failure is not remedied within five (5) Business Days after Notice thereof;

(ii) any representation or warranty made by such Party herein is false or misleading in any material respect when made or when deemed made or repeated, and such default is not remedied within thirty (30) days after Notice thereof;

(iii) the failure by such Party to perform any material covenant or obligation set forth in this Agreement (except to the extent constituting a separate Event of Default) and such failure is not remedied within thirty (30) days after Notice thereof; *provided* that if such failure cannot be cured within such thirty (30) day period despite reasonable commercial efforts and such failure is not a failure to make a payment when due, such Party shall have up to sixty (60) additional days to cure;

(iv) such Party becomes Bankrupt;

(v) such Party assigns this Agreement or any of its rights hereunder other than in compliance with Section 14.2 or 14.3, as applicable;

(vi) such Party consolidates or amalgamates with, or merges with or into, or transfers all or substantially all of its assets to, another entity and, at the time of such consolidation, amalgamation, merger or transfer, the resulting, surviving or transferee entity fails to assume all the obligations of such Party under this Agreement to which it or its predecessor was a party by operation of Law or pursuant to an agreement reasonably satisfactory to the other Party; or

[REDACTED]

(b) with respect to Seller as the Defaulting Party, the occurrence of any of the following:

(i) if at any time, Seller delivers or attempts to deliver to the Delivery Point for sale under this Agreement Energy that was not generated by the Facility, except for Replacement Product;

(ii) [REDACTED] commercial Operation [REDACTED]
[REDACTED] days after the Guaranteed Commercial Operation Date;

(iii) the failure by Seller to timely obtain CEC Final Certification and Verification in accordance with Section 3.10.

(iv) if, in any consecutive six (6) month period, the Adjusted Energy Production amount is not at least ten percent (10%) of the Expected Energy amount for the current Contract Year, and Seller fails to demonstrate to Buyer's reasonable satisfaction, within ten (10) Business Days after Notice from Buyer, a legitimate reason for the failure to meet the ten percent (10%) minimum;

(v) failure by Seller to satisfy the collateral requirements pursuant to Sections 8.7 or 8.8, including the failure to replenish the Seller Development Security or Seller Performance Security amount in accordance with this Agreement in the event Buyer draws against either for any reason other than to satisfy a Damage Payment or a Termination Payment, if such failure is not remedied within five (5) Business Days after Notice thereof;

(vi) with respect to any Seller Parent Guaranty provided for the benefit of Buyer, the failure by Seller to provide for the benefit of Buyer either (1) cash, (2) a replacement Seller Parent Guaranty from a different Guarantor meeting the criteria set forth in the definition of Seller Parent Guarantor, or (3) a replacement Letter of Credit from an issuer meeting the criteria set forth in the definition of Letter of Credit, in each case, in the amount required hereunder within five (5) Business Days after Seller receives Notice of the occurrence of any of the following events:

(A) if any representation or warranty made by the Seller Parent Guarantor in connection with this Agreement is false or misleading in any material respect when made or when deemed made or repeated, and such default is not remedied within thirty (30) days after Notice thereof;

(B) the failure of the Seller Parent Guarantor to make any payment required or to perform any other material covenant or obligation in any Seller Parent Guaranty;

(C) the Seller Parent Guarantor becomes Bankrupt;

(D) the Seller Parent Guarantor shall fail to meet the criteria for an acceptable Seller Parent Guarantor as set forth in the definition of Seller Parent Guarantor;

(E) the failure of the Seller Parent Guaranty to be in full force and effect (other than in accordance with its terms) prior to the indefeasible satisfaction of all obligations of Seller hereunder; or

(F) the Seller Parent Guarantor shall repudiate, disaffirm, disclaim, or reject, in whole or in part, or challenge the validity of any Seller Parent Guaranty; or

(vii) with respect to any outstanding Letter of Credit provided for the benefit of a Party that is not then required under this Agreement to be canceled or returned, the failure by Party required to post such Letter of Credit to provide for the benefit of the other Party either (1) cash, or (2) a substitute Letter of Credit from a different issuer meeting the criteria set forth in the definition of Letter of Credit, in each case, in the amount required hereunder within five (5) Business Days after Seller receives Notice of the occurrence of any of the following events:

(A) the issuer of the outstanding Letter of Credit shall fail to maintain a Credit Rating of at least "A-" by S&P or "A3" by Moody's;

(B) the issuer of such Letter of Credit becomes Bankrupt;

(C) the issuer of the outstanding Letter of Credit shall fail to comply with or perform its obligations under such Letter of Credit and such failure shall be continuing after the lapse of any applicable grace period permitted under such Letter of Credit;

(D) the issuer of the outstanding Letter of Credit shall fail to

honor a properly documented request to draw on such Letter of Credit;

(E) the issuer of the outstanding Letter of Credit shall disaffirm, disclaim, repudiate or reject, in whole or in part, or challenge the validity of, such Letter of Credit;

(F) such Letter of Credit fails or ceases to be in full force and effect at any time; or

(G) the Party required to maintain such Letter of Credit shall fail to renew or cause the renewal of each outstanding Letter of Credit on a timely basis as provided in the relevant Letter of Credit and as provided in accordance with this Agreement, and in no event less than sixty (60) days prior to the expiration of the outstanding Letter of Credit.

(viii) the occurrence of six (6) consecutive months in which a WREGIS Certificate Deficit was caused, or was the result of any action or inaction, by Seller; *provided*, that if Seller is taking reasonable steps to prevent subsequent WREGIS Certificate Deficits and is reasonably likely to succeed in preventing the occurrence in the seventh (7th) consecutive month, then an Event of Default shall not be deemed to have occurred until the seventh (7th) consecutive month.

11.2 Remedies; Declaration of Early Termination Date. If an Event of Default with respect to a Defaulting Party shall have occurred and be continuing, the other Party ("**Non-Defaulting Party**") shall have the following rights:

(a) to send Notice, designating a day, no earlier than the day such Notice is deemed to be received and no later than twenty (20) days after such Notice is deemed to be received, as an early termination date of this Agreement ("**Early Termination Date**") that terminates this Agreement (the "**Terminated Transaction**") and ends the Delivery Term effective as of the Early Termination Date;

(b) to accelerate all amounts owing between the Parties, and to collect as liquidated damages (i) the Damage Payment (in the case of an Event of Default by Seller under Section 11.1(b)(ii)), subject to Section 7 of Exhibit B, or (ii) the Termination Payment calculated in accordance with Section 11.3 below (in the case of any other Event of Default by either Party);

(c) to withhold any payments due to the Defaulting Party under this Agreement;

(d) to suspend performance; and/or

(e) to exercise any other right or remedy available at law or in equity, including specific performance or injunctive relief, except to the extent such remedies are expressly limited under this Agreement;

provided, that payment by the Defaulting Party of the Damage Payment or Termination Payment, as applicable, shall constitute liquidated damages and the Non-Defaulting Party's sole and exclusive remedy for any Terminated Transaction and the Event of Default related thereto.

11.3 **Termination Payment.** The Termination Payment (“**Termination Payment**”) for a Terminated Transaction shall be the Settlement Amount plus any or all other amounts due to or from the Non-Defaulting Party netted into a single amount. If the Non-Defaulting Party’s aggregate Gains exceed its aggregate Losses and Costs, if any, resulting from the termination of this Agreement, the net Settlement Amount shall be zero. The Non-Defaulting Party shall calculate, in a commercially reasonable manner, a Settlement Amount for the Terminated Transaction as of the Early Termination Date. Third parties supplying information for purposes of the calculation of Gains or Losses may include, without limitation, dealers in the relevant markets, end-users of the relevant product, information vendors and other sources of market information. The Settlement Amount shall not include consequential, incidental, punitive, exemplary, indirect or business interruption damages; provided, however, that any lost Capacity Attributes and Green Attributes shall be deemed direct damages covered by this Agreement to the extent such attributes exist as of the date of termination and are not based upon speculation as to future changes in Law. Without prejudice to the Non-Defaulting Party’s duty to mitigate, the Non-Defaulting Party shall not have to enter into replacement transactions to establish a Settlement Amount. Each Party agrees and acknowledges that (a) the actual damages that the Non-Defaulting Party would incur in connection with a Terminated Transaction would be difficult or impossible to predict with certainty, (b) the Damage Payment or Termination Payment described in this section is a reasonable and appropriate approximation of such damages, and (c) the Damage Payment or Termination Payment described in this section is the exclusive remedy of the Non-Defaulting Party in connection with a Terminated Transaction but shall not otherwise act to limit any of the Non-Defaulting Party’s rights or remedies if the Non-Defaulting Party does not elect a Terminated Transaction as its remedy for an Event of Default by the Defaulting Party.

11.4 **Notice of Payment of Termination Payment.** As soon as practicable after a Terminated Transaction, Notice shall be given by the Non-Defaulting Party to the Defaulting Party of the amount of the Damage Payment or Termination Payment and whether the Termination Payment is due to or from the Non-Defaulting Party. The Notice shall include a written statement explaining in reasonable detail the calculation of such amount and the sources for such calculation. The Termination Payment shall be made to or from the Non-Defaulting Party, as applicable, within ten (10) Business Days after such Notice is effective.

11.5 **Disputes With Respect to Termination Payment.** If the Defaulting Party disputes the Non-Defaulting Party’s calculation of the Termination Payment, in whole or in part, the Defaulting Party shall, within five (5) Business Days of receipt of the Non-Defaulting Party’s calculation of the Termination Payment, provide to the Non-Defaulting Party a detailed written explanation of the basis for such dispute. Disputes regarding the Termination Payment shall be determined in accordance with Article 16.

11.6 **Rights And Remedies Are Cumulative.** Except where liquidated damages are provided as the exclusive remedy, the rights and remedies of a Party pursuant to this Article 11 shall be cumulative and in addition to the rights of the Parties otherwise provided in this Agreement.

11.7 **Mitigation.** Any Non-Defaulting Party shall be obligated to mitigate its Costs, Losses and damages resulting from any Event of Default of the other Party under this Agreement.

ARTICLE 12
LIMITATION OF LIABILITY AND EXCLUSION OF WARRANTIES.

12.1 **No Consequential Damages.** EXCEPT TO THE EXTENT PART OF AN EXPRESS REMEDY, INDEMNITY PROVISION, OR MEASURE OF DAMAGES HEREIN, NEITHER PARTY SHALL BE LIABLE TO THE OTHER OR ITS INDEMNIFIED PERSONS FOR ANY SPECIAL, PUNITIVE, EXEMPLARY, INDIRECT, OR CONSEQUENTIAL DAMAGES, OR LOSSES OR DAMAGES FOR LOST REVENUE OR LOST PROFITS, WHETHER FORESEEABLE OR NOT, ARISING OUT OF, OR IN CONNECTION WITH THIS AGREEMENT, BY STATUTE, IN TORT OR CONTRACT.

12.2 **Waiver and Exclusion of Other Damages.** EXCEPT AS EXPRESSLY SET FORTH HEREIN, THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY AND ALL IMPLIED WARRANTIES ARE DISCLAIMED. THE PARTIES CONFIRM THAT THE EXPRESS REMEDIES AND MEASURES OF DAMAGES PROVIDED IN THIS AGREEMENT SATISFY THE ESSENTIAL PURPOSES HEREOF. ALL LIMITATIONS OF LIABILITY CONTAINED IN THIS AGREEMENT, INCLUDING, WITHOUT LIMITATION, THOSE PERTAINING TO SELLER'S LIMITATION OF LIABILITY AND THE PARTIES' WAIVER OF CONSEQUENTIAL DAMAGES, SHALL APPLY EVEN IF THE REMEDIES FOR BREACH OF WARRANTY PROVIDED IN THIS AGREEMENT ARE DEEMED TO "FAIL OF THEIR ESSENTIAL PURPOSE" OR ARE OTHERWISE HELD TO BE INVALID OR UNENFORCEABLE.

FOR BREACH OF ANY PROVISION FOR WHICH AN EXPRESS AND EXCLUSIVE REMEDY OR MEASURE OF DAMAGES IS PROVIDED, SUCH EXPRESS REMEDY OR MEASURE OF DAMAGES SHALL BE THE SOLE AND EXCLUSIVE REMEDY, THE OBLIGOR'S LIABILITY SHALL BE LIMITED AS SET FORTH IN SUCH PROVISION, AND ALL OTHER REMEDIES OR DAMAGES AT LAW OR IN EQUITY ARE WAIVED.

IF NO REMEDY OR MEASURE OF DAMAGES IS EXPRESSLY PROVIDED HEREIN, THE OBLIGOR'S LIABILITY SHALL BE LIMITED TO DIRECT DAMAGES ONLY. THE VALUE OF ANY TAX BENEFITS, DETERMINED ON AN AFTER-TAX BASIS, LOST DUE TO BUYER'S DEFAULT (WHICH SELLER HAS NOT BEEN ABLE TO MITIGATE AFTER USE OF REASONABLE EFFORTS) AND AMOUNTS DUE IN CONNECTION WITH THE RECAPTURE OF ANY RENEWABLE ENERGY INCENTIVES, IF ANY, SHALL BE DEEMED TO BE DIRECT DAMAGES.

TO THE EXTENT ANY DAMAGES REQUIRED TO BE PAID HEREUNDER ARE LIQUIDATED, INCLUDING THE DAMAGE PAYMENT UNDER SECTION 11.2 AND THE TERMINATION PAYMENT UNDER SECTION 11.3, AND AS PROVIDED IN EXHIBIT B AND EXHIBIT F, THE PARTIES ACKNOWLEDGE THAT THE DAMAGES ARE DIFFICULT OR IMPOSSIBLE TO DETERMINE, THAT OTHERWISE OBTAINING AN ADEQUATE REMEDY IS INCONVENIENT, AND THAT THE LIQUIDATED DAMAGES CONSTITUTE A REASONABLE APPROXIMATION OF THE ANTICIPATED HARM OR LOSS. IT IS THE INTENT OF THE PARTIES THAT THE LIMITATIONS HEREIN IMPOSED ON REMEDIES AND THE MEASURE OF DAMAGES BE WITHOUT REGARD TO THE

CAUSE OR CAUSES RELATED THERETO, INCLUDING THE NEGLIGENCE OF ANY PARTY, WHETHER SUCH NEGLIGENCE BE SOLE, JOINT OR CONCURRENT, OR ACTIVE OR PASSIVE. THE PARTIES HEREBY WAIVE ANY RIGHT TO CONTEST SUCH PAYMENTS AS AN UNREASONABLE PENALTY.

ARTICLE 13

REPRESENTATIONS AND WARRANTIES; AUTHORITY

13.1 **Seller's Representations and Warranties.** As of the Effective Date, Seller represents and warrants as follows:

(a) Seller is a Delaware limited liability company, duly organized, validly existing and in good standing under the laws of the State of Delaware, and is qualified to conduct business in each jurisdiction where the failure to so qualify would have a material adverse effect on the business or financial condition of Seller.

(b) Seller has the power and authority to enter into and perform this Agreement and is not prohibited from entering into this Agreement or discharging and performing all covenants and obligations on its part to be performed under and pursuant to this Agreement, except where such failure does not have a material adverse effect on Seller's performance under this Agreement. The execution, delivery and performance of this Agreement by Seller has been duly authorized by all necessary corporate action on the part of Seller and does not and will not require the consent of any trustee or holder of any indebtedness or other obligation of Seller or any other party to any other agreement with Seller.

(c) The execution and delivery of this Agreement, consummation of the transactions contemplated herein, and fulfillment of and compliance by Seller with the provisions of this Agreement will not conflict with or constitute a breach of or a default under any Law presently in effect having applicability to Seller, subject to any permits that have not yet been obtained by Seller, the documents of formation of Seller or any outstanding trust indenture, deed of trust, mortgage, loan agreement or other evidence of indebtedness or any other agreement or instrument to which Seller is a party or by which any of its property is bound.

(d) This Agreement has been duly executed and delivered by Seller. This Agreement is a legal, valid and binding obligation of Seller enforceable in accordance with its terms, except as limited by Laws of general applicability limiting the enforcement of creditors' rights or by the exercise of judicial discretion in accordance with general principles of equity.

(e) The Facility is located in the State of California.

13.2 **Buyer's Representations and Warranties.** As of the Effective Date, Buyer represents and warrants as follows:

(a) Buyer is a joint powers authority and a validly existing community choice aggregator, duly organized, validly existing and in good standing under the laws of the State of California and the rules, regulations and orders of the California Public Utilities Commission, and is qualified to conduct business in each jurisdiction of the Joint Powers Agreement members. All persons making up the governing body of Buyer are the elected or appointed incumbents in their

positions and hold their positions in good standing in accordance with the Joint Powers Agreement and other Law.

(b) Buyer has the power and authority to enter into and perform this Agreement and is not prohibited from entering into this Agreement or discharging and performing all covenants and obligations on its part to be performed under and pursuant to this Agreement, except where such failure does not have a material adverse effect on Buyer's performance under this Agreement. The execution, delivery and performance of this Agreement by Buyer has been duly authorized by all necessary action on the part of Buyer and does not and will not require the consent of any trustee or holder of any indebtedness or other obligation of Buyer or any other party to any other agreement with Buyer.

(c) The execution and delivery of this Agreement, consummation of the transactions contemplated herein, and fulfillment of and compliance by Buyer with the provisions of this Agreement will not conflict with or constitute a breach of or a default under any Law presently in effect having applicability to Buyer, including but not limited to community choice aggregation, the Joint Powers Act, competitive bidding, public notice, open meetings, election, referendum, or prior appropriation requirements, the documents of formation of Buyer or any outstanding trust indenture, deed of trust, mortgage, loan agreement or other evidence of indebtedness or any other agreement or instrument to which Buyer is a party or by which any of its property is bound.

(d) This Agreement has been duly executed and delivered by Buyer. This Agreement is a legal, valid and binding obligation of Buyer enforceable in accordance with its terms, except as limited by Laws of general applicability limiting the enforcement of creditors' rights or by the exercise of judicial discretion in accordance with general principles of equity.

(e) Buyer warrants and covenants that with respect to its contractual obligations under this Agreement, it will not claim immunity on the grounds of sovereignty or similar grounds with respect to itself or its revenues or assets from (1) suit, (2) jurisdiction of court, (3) relief by way of injunction, order for specific performance or recovery of property, (4) attachment of assets, or (5) execution or enforcement of any judgment.

(f) Buyer is a "local public entity" as defined in Section 900.4 of the Government Code of the State of California.

13.3 General Covenants. Each Party covenants that commencing on the Effective Date and continuing throughout the Contract Term:

(a) It shall continue to be duly organized, validly existing and in good standing under the Laws of the jurisdiction of its formation and to be qualified to conduct business in each jurisdiction where the failure to so qualify would have a material adverse effect on its business or financial condition;

(b) It shall maintain (or obtain from time to time as required) all regulatory authorizations necessary for it to legally perform its obligations under this Agreement; and

(c) It shall perform its obligations under this Agreement in compliance with all

terms and conditions in its governing documents and any contracts to which it is a party and in material compliance with any Law.

ARTICLE 14 ASSIGNMENT

14.1 **General Prohibition on Assignments.** Except as provided below and in Article 15, neither Seller nor Buyer may voluntarily assign its rights nor delegate its duties under this Agreement, or any part of such rights or duties, without the written consent of the other Party. Neither Seller nor Buyer shall unreasonably withhold, condition or delay any requested consent to an assignment that is allowed by the terms of this Agreement. Any such assignment or delegation made without such written consent or in violation of the conditions to assignment set out below shall be null and void.

14.2 **Permitted Assignment; Change of Control of Seller.** Seller may, without the prior written consent of Buyer, transfer or assign this Agreement to: (a) an Affiliate of Seller; or (b) subject to Section 15.1, a Lender as collateral. Any direct or indirect Change of Control of Seller (whether voluntary or by operation of Law) shall be deemed an assignment under this Article 14 and will require the prior written consent of Buyer, which consent shall not be unreasonably withheld. Upon Buyer's receipt of a notice from Seller setting forth the name of a prospective assignee (including a prospective deemed assignee in connection with a Change of Control) and reasonable information concerning such prospective assignee's business activities (including any experience owning and operating solar powered electricity generating facilities), ownership (including the identity and business activities of the prospective assignee's or deemed assignee's ultimate parent company) and financial wherewithal, Buyer shall respond in writing to Seller within five (5) Business Days indicating whether Buyer consents to a prospective assignment to the prospective assignee. Buyer shall cooperate with any assignment by Seller consented to or otherwise permitted under this Section 14.2, including (i) as soon as reasonably practical following Buyer's receipt of a request from Seller for written documentation of Buyer's consent to an assignment to an approved prospective assignee, delivering such documentation to Seller in a form reasonably satisfactory to Seller, and (ii) by executing or arranging for the delivery of any other usual and customary certificates, consents, estoppels, or other documents reasonably requested by the assignee or Seller, at the expense of the Seller with respect to any third-party costs (including reasonable attorney's fees), in connection with the permitted assignment.

14.3 **Permitted Assignment; Change of Control of Buyer.** Buyer may assign its interests in this Agreement to an Affiliate of Buyer or to any entity that has acquired all or substantially all of Buyer's assets or business, whether by merger, acquisition or otherwise without Seller's prior written consent, *provided*, that in each of the foregoing situations, the assignee (a) has a Credit Rating of Baa2 or higher by Moody's or BBB or higher by S&P, and (b) is a community choice aggregator or publicly-owned electric utility with retail customers located in the state of California; *provided, further*, that in each such case, no fewer than fifteen (15) Business Days before such assignment Buyer (x) notifies Seller of such assignment and (y) provides to Seller a written agreement signed by the Person to which Buyer wishes to assign its interests stating that such Person agrees to assume all of Buyer's obligations and liabilities under this Agreement and under any consent to assignment and other documents previously entered into by Seller as described in Section 15.2(b). Any assignment by Buyer, its successors or assigns under this

Section 14.3 shall be of no force and effect unless and until such Notice and agreement by the assignee have been received and accepted by Seller.

ARTICLE 15

LENDER ACCOMMODATIONS

15.1 **Granting of Lender Interest.** Notwithstanding Section 14.2 or Section 14.3, either Party may, without the consent of the other Party, grant an interest (by way of collateral assignment, or as security, beneficially or otherwise) in its rights and/or obligations under this Agreement to any Lender. Each Party's obligations under this Agreement shall continue in their entirety in full force and effect. Promptly after granting such interest, the granting Party shall notify the other Party in writing of the name, address, and telephone and facsimile numbers of any Lender to which the granting Party's interest under this Agreement has been assigned. Such Notice shall include the names of the Lenders to whom all written and telephonic communications may be addressed. After giving the other Party such initial Notice, the granting Party shall promptly give the other Party Notice of any change in the information provided in the initial Notice or any revised Notice.

15.2 **Rights of Lender.** If a Party grants an interest under this Agreement as permitted by Section 15.1, the following provisions shall apply:

(a) Lender shall have the right, but not the obligation, to perform any act required to be performed by the granting Party under this Agreement to prevent or cure a default by the granting Party in accordance with Section 11.2 and such act performed by Lender shall be as effective to prevent or cure a default as if done by the granting Party.

(b) The other Party shall cooperate with the granting Party or any Lender, to execute or arrange for the delivery of certificates, consents, opinions, estoppels, direct agreements, amendments and other documents reasonably requested by the granting Party or Lender in order to consummate any financing or refinancing and shall enter into reasonable agreements with such Lender that provide that the non-granting Party recognizes the Lender's security interest and such other provisions as may be reasonably requested by the granting Party or any such Lender; *provided*, however, that all costs and expenses (including reasonable attorney's fees) incurred by the non-granting Party in connection therewith shall be borne by the granting Party, and that the non-granting Party shall have no obligation to modify this Agreement.

(c) Each Party agrees that no Lender shall be obligated to perform any obligation or be deemed to incur any liability or obligation provided in this Agreement on the part of the granting Party or shall have any obligation or liability to the other Party with respect to this Agreement except to the extent any Lender has expressly assumed the obligations of the granting Party hereunder; *provided* that the non-granting Party shall nevertheless be entitled to exercise all of its rights hereunder in the event that the granting Party or Lender fails to perform the granting Party's obligations under this Agreement.

15.3 **Cure Rights of Lender.** The non-granting Party shall provide Notice of the occurrence of any Event of Default described in Section 11.1 or 11.2 hereof to any Lender, and such Party shall accept a cure performed by any Lender and shall negotiate in good faith with any

Lender as to the cure period(s) that will be allowed for any Lender to cure any granting Party Event of Default hereunder. The non-granting Party shall accept a cure performed by any Lender so long as the cure is accomplished within the applicable cure period so agreed to between the non-granting Party and any Lender. Notwithstanding any such action by any Lender, the granting Party shall not be released and discharged from and shall remain liable for any and all obligations to the non-granting Party arising or accruing hereunder. The cure rights of Lender may be documented in the certificates, consents, opinions, estoppels, direct agreements, amendments and other documents reasonably requested by the granting Party pursuant to Section 15.2(b).

ARTICLE 16 DISPUTE RESOLUTION

16.1 **Governing Law.** This agreement and the rights and duties of the Parties hereunder shall be governed by and construed, enforced and performed in accordance with the laws of the state of California, without regard to principles of conflicts of Law. To the extent enforceable at such time, each Party waives its respective right to any jury trial with respect to any litigation arising under or in connection with this agreement. The Parties agree that any litigation arising with respect to this Agreement is to be venued in either the Superior Court for the County of San Mateo, California or the Federal District Court for the Northern District of California in San Francisco, California.

16.2 **Dispute Resolution.** In the event of any dispute arising under this Agreement, within ten (10) days following the receipt of a written Notice from either Party identifying such dispute, the Parties shall meet, negotiate and attempt, in good faith, to resolve the dispute quickly, informally and inexpensively. If the Parties are unable to resolve a dispute arising hereunder within the earlier of either thirty (30) days of initiating such discussions, or within forty (40) days after Notice of the dispute, either Party may seek any and all remedies available to it at Law or in equity, subject to the limitations set forth in this Agreement.

16.3 **Attorneys' Fees.** In any proceeding brought to enforce this Agreement or because of the breach by any Party of any covenant or condition herein contained, the prevailing Party shall be entitled to reasonable attorneys' fees (including reasonably allocated fees of in-house counsel) in addition to court costs and any and all other costs recoverable in said action.

ARTICLE 17 INDEMNIFICATION

17.1 Indemnification.

(a) Each Party (the "**Indemnifying Party**") agrees to indemnify, defend and hold harmless the other Party and its Affiliates, directors, officers, employees and agents (collectively, the "**Indemnified Party**") from and against all third-party claims, demands, losses, liabilities, penalties, and expenses (including reasonable attorneys' fees) for personal injury or death to Persons and damage to the property of any third party to the extent arising out of, resulting from, or caused by the violation of Law or the negligent or willful misconduct of the Indemnifying Party, its Affiliates, its directors, officers, employees, or agents.

(b) Nothing in this Section 17.1 shall enlarge or relieve Seller or Buyer of any liability to the other for any breach of this Agreement. Neither Party shall be indemnified for its damages resulting from its sole negligence, intentional acts or willful misconduct. These indemnity provisions shall not be construed to relieve any insurer of its obligation to pay claims consistent with the provisions of a valid insurance policy.

17.2 **Claims.** Promptly after receipt by a Party of any claim or Notice of the commencement of any action, administrative, or legal proceeding, or investigation as to which the indemnity provided for in this Article 17 may apply, the Indemnified Party shall notify the Indemnifying Party in writing of such fact. The Indemnifying Party shall assume the defense thereof with counsel designated by such Party and satisfactory to the Indemnified Party, *provided, however,* that if the defendants in any such action include both the Indemnified Party and the Indemnifying Party and the Indemnified Party shall have reasonably concluded that there may be legal defenses available to it which are different from or additional to, or inconsistent with, those available to the Indemnifying Party, the Indemnified Party shall have the right to select and be represented by separate counsel, at the Indemnifying Party's expense, unless a liability insurer is willing to pay such costs. If the Indemnifying Party fails to assume the defense of a claim meriting indemnification, the Indemnified Party may at the expense of the Indemnifying Party contest, settle, or pay such claim, *provided* that settlement or full payment of any such claim may be made only following consent of the Indemnifying Party or, absent such consent, written opinion of the Indemnified Party's counsel that such claim is meritorious or warrants settlement. Except as otherwise provided in this Article 17, in the event that a Party is obligated to indemnify and hold the other Party and its successors and assigns harmless under this Article 17, the amount owing to the Indemnified Party will be the amount of the Indemnified Party's damages net of any insurance proceeds received by the Indemnified Party following a reasonable effort by the Indemnified Party to obtain such insurance proceeds.

ARTICLE 18 INSURANCE

18.1 Insurance.

(a) **General Liability.** Seller shall maintain, or cause to be maintained at its sole expense, (i) commercial general liability insurance, including products and completed operations and personal injury insurance, in a minimum amount of One Million Dollars (\$1,000,000) per occurrence, and an annual aggregate of not less than Two Million Dollars (\$2,000,000), endorsed to provide contractual liability in said amount, specifically covering Seller's obligations under this Agreement and naming Buyer as an additional insured; and (ii) an umbrella insurance policy in a minimum limit of liability of Five Million Dollars (\$5,000,000) Defense costs shall be provided as an additional benefit and not included within the limits of liability. Such insurance shall contain standard cross-liability and severability of interest provisions.

(b) **Employer's Liability Insurance.** Employers' Liability insurance shall not be less than One Million Dollars (\$1,000,000.00) for injury or death occurring as a result of each accident. With regard to bodily injury by disease, the One Million Dollar (\$1,000,000) policy limit will apply to each employee.

(c) Workers Compensation Insurance. Seller, if it has employees, shall also maintain at all times during the Contract Term workers' compensation and employers' liability insurance coverage in accordance with applicable requirements of Law.

(d) Business Auto Insurance. Seller shall maintain at all times during the Contract Term business auto insurance for bodily injury and property damage with limits of One Million Dollars (\$1,000,000) per occurrence. Such insurance shall cover liability arising out of Seller's use of all owned (if any), non-owned and hired vehicles, including trailers or semi-trailers in the performance of the Agreement.

(e) Construction All-Risk Insurance. For new facilities or existing facilities that are to be re-powered before Commercial Operation, Seller shall maintain or cause to be maintained during the construction or re-powering of the Facility prior to the Commercial Operation Date, construction all-risk form property insurance covering the Facility during such construction periods, and naming the Seller (and Lender if any) as the loss payee.

(f) Subcontractor Insurance. Seller shall require all of its subcontractors to carry: (i) comprehensive general liability insurance; (ii) workers' compensation insurance and employers' liability coverage in accordance with applicable requirements of Law; and (iii) business auto insurance for bodily injury and property damage, in each case, with limits determined to be appropriate by Seller. All subcontractors shall name Seller as an additional insured to insurance carried pursuant to clauses (f)(i) and (f)(iii). All subcontractors shall provide a primary endorsement and a waiver of subrogation to Seller for the required coverage pursuant to this Section 18.1(f).

(g) Evidence of Insurance. Within ten (10) days after execution of the Agreement and upon annual renewal thereafter, Seller shall deliver to Buyer certificates of insurance evidencing such coverage. These certificates shall specify that Buyer shall be given at least thirty (30) days prior Notice by Seller in the event of any material modification, cancellation or termination of coverage. Such insurance shall be primary coverage without right of contribution from any insurance of Buyer. Any other insurance maintained by Seller is for the exclusive benefit of Seller and shall not in any manner inure to the benefit of Buyer. Seller shall also comply with all insurance requirements by any renewable energy or other incentive program administrator or any other applicable authority.

(h) Failure to Comply with Insurance Requirements. If Seller fails to comply with any of the provisions of this Article 18, Seller, among other things and without restricting Buyer's remedies under the Law or otherwise, shall, at its own cost and expense, act as an insurer and provide insurance in accordance with the terms and conditions above. With respect to the required general liability, umbrella liability and commercial automobile liability insurance, Seller shall provide a current, full and complete defense to Buyer, its subsidiaries and Affiliates, and their respective officers, directors, shareholders, agents, employees, assigns, and successors in interest, in response to a third-party claim in the same manner that an insurer would have, had the insurance been maintained in accordance with the terms and conditions set forth above. In addition, alleged violations of the provisions of this Article 18 means that Seller has the initial burden of proof regarding any legal justification for refusing or withholding coverage and Seller shall face the

same liability and damages as an insurer for wrongfully refusing or withholding coverage in accordance with the laws of California.

ARTICLE 19

CONFIDENTIAL INFORMATION

19.1 **Definition of Confidential Information.** The following constitutes “**Confidential Information**,” whether oral or written which is delivered by Seller to Buyer or by Buyer to Seller including: (a) proposals and negotiations until this Agreement is approved and executed by the Buyer, and (b) information that either Seller or Buyer stamps or otherwise identifies as “confidential” or “proprietary” before disclosing it to the other. Confidential Information does not include (i) information that was publicly available at the time of the disclosure, other than as a result of a disclosure in breach of this Agreement; (ii) information that becomes publicly available through no fault of the recipient after the time of the delivery; (iii) information that was rightfully in the possession of the recipient (without confidential or proprietary restriction) at the time of delivery or that becomes available to the recipient from a source not subject to any restriction against disclosing such information to the recipient; and (iv) information that the recipient independently developed without a violation of this Agreement.

19.2 **Duty to Maintain Confidentiality.** Confidential Information will retain its character as Confidential Information but may be disclosed by the recipient if and to the extent such disclosure is required (a) to be made by any requirements of Law, (b) pursuant to an order of a court, or (c) in order to enforce this Agreement. The originator or generator of Confidential Information may use such information for its own uses and purposes, including the public disclosure of such information at its own discretion. Seller acknowledges that Buyer is a public agency subject to the requirements of the California Public Records Act (Cal. Gov. Code section 6250 et seq.). Upon request or demand of any third person or entity not a party to this Agreement for production, inspection and/or copying of this Agreement (in whole or in part) or any information designated by Seller as Confidential Information, Buyer shall, to the extent permissible, notify Seller in writing in advance of any disclosure that the request or demand has been made; provided that, upon the advice of its counsel that disclosure is required, Buyer may disclose this Agreement or any information designated as Confidential Information by Seller whether or not advance written notice has been provided. Seller shall be solely responsible for taking whatever steps it deems necessary to protect information deemed by it to be Confidential Information. The obligation to maintain the confidentiality of Confidential Information shall survive for a period of one (1) year following the expiration or termination of this Agreement.

19.3 **Irreparable Injury; Remedies.** Buyer and Seller each agree that disclosing Confidential Information of the other in violation of the terms of this Article 19 may cause irreparable harm, and that the harmed Party may seek any and all remedies available to it at Law or in equity, including injunctive relief and/or, notwithstanding Section 12.2, consequential damages.

19.4 **Disclosure to Lender.** Notwithstanding anything to the contrary in this Article 19, Confidential Information may be disclosed by Seller to any potential Lender, agents, consultants, or trustees, so long as the Person to whom Confidential Information is disclosed agrees in writing to be bound by the confidentiality provisions of this Article 19 to the same extent as if it were a Party.

19.5 **Public Statements.** Neither Party shall issue (or cause its Affiliates to issue) a press release regarding the transactions contemplated by this Agreement unless both Parties have agreed upon the contents of any such press release.

ARTICLE 20 MISCELLANEOUS

20.1 **Entire Agreement; Integration; Exhibits.** This Agreement, together with the Cover Sheet and Exhibits attached hereto constitutes the entire agreement and understanding between Seller and Buyer with respect to the subject matter hereof and supersedes all prior agreements relating to the subject matter hereof, which are of no further force or effect. The Exhibits attached hereto are integral parts hereof and are made a part of this Agreement by reference. The headings used herein are for convenience and reference purposes only. In the event of a conflict between the provisions of this Agreement and those of the Cover Sheet or any Exhibit, the provisions of first the Cover Sheet, and then this Agreement shall prevail, and such Exhibit shall be corrected accordingly. This Agreement shall be considered for all purposes as prepared through the joint efforts of the Parties and shall not be construed against one Party or the other as a result of the preparation, substitution, submission or other event of negotiation, drafting or execution hereof.

20.2 **Amendments.** This Agreement may only be amended, modified or supplemented by an instrument in writing executed by duly authorized representatives of Seller and Buyer; *provided*, that, for the avoidance of doubt, this Agreement may not be amended by electronic mail communications.

20.3 **No Waiver.** Waiver by a Party of any default by the other Party shall not be construed as a waiver of any other default.

20.4 **No Agency, Partnership, Joint Venture or Lease.** Seller and the agents and employees of Seller shall, in the performance of this Agreement, act in an independent capacity and not as officers or employees or agents of Buyer. Under this Agreement, Seller and Buyer intend to act as energy seller and energy purchaser, respectively, and do not intend to be treated as, and shall not act as, partners in, co-venturers in or lessor/lessee with respect to the Facility or any business related to the Facility. This Agreement shall not impart any rights enforceable by any third party (other than a permitted successor or assignee bound to this Agreement).

20.5 **Severability.** In the event that any provision of this Agreement is unenforceable or held to be unenforceable, the Parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby. The Parties shall, however, use their best endeavors to agree on the replacement of the void, illegal or unenforceable provision(s) with legally acceptable clauses which correspond as closely as possible to the sense and purpose of the affected provision and this Agreement as a whole.

20.6 **Mobile-Sierra.** Notwithstanding any other provision of this Agreement, neither Party shall seek, nor shall they support any third party seeking, to prospectively or retroactively revise the rates, terms or conditions of service of this Agreement through application or complaint to FERC pursuant to the provisions of Section 205, 206 or 306 of the Federal Power Act, or any

other provisions of the Federal Power Act, absent prior written agreement of the Parties. Further, absent the prior written agreement in writing by both Parties, the standard of review for changes to the rates, terms or conditions of service of this Agreement proposed by a Party, a non-Party or the FERC acting *sua sponte* shall be the “public interest” application of the “just and reasonable” standard of review set forth in *United Gas Pipe Line Co. v. Mobile Gas Service Corp.*, 350 U.S. 332 (1956) and *Federal Power Commission v. Sierra Pacific Power Co.*, 350 U.S. 348 (1956) and clarified by *Morgan Stanley Capital Group, Inc. v. Public Util. Dist. No. 1 of Snohomish*, 554 U.S. 527 (2008).

20.7 **Counterparts.** This Agreement may be executed in one or more counterparts, all of which taken together shall constitute one and the same instrument and each of which shall be deemed an original.

20.8 **Facsimile or Electronic Delivery.** This Agreement may be duly executed and delivered by a Party by execution and facsimile or electronic format (including portable document format (.pdf)) delivery of the signature page of a counterpart to the other Party, and, if delivery is made by facsimile or other electronic format, the executing Party shall promptly deliver, via overnight delivery, a complete original counterpart that it has executed to the other Party, but this Agreement shall be binding on and enforceable against the executing Party whether or not it delivers such original counterpart.

20.9 **Binding Effect.** This Agreement shall inure to the benefit of and be binding upon the Parties and their respective successors and permitted assigns.

20.10 **No Recourse to Members of Buyer.** Buyer is organized as a Joint Powers Authority in accordance with the Joint Exercise of Powers Act of the State of California (Government Code Section 6500, et seq.) pursuant to its Joint Powers Agreement and is a public entity separate from its constituent members. Buyer shall solely be responsible for all debts, obligations and liabilities accruing and arising out of this Agreement. Seller shall have no rights and shall not make any claims, take any actions or assert any remedies against any of Buyer’s constituent members, or the employees, directors, officers, consultants or advisors of Buyer or its constituent members, in connection with this Agreement.

20.11 **Change in Electric Market Design.** If a change in the CAISO Tariff renders this Agreement or any provisions hereof incapable of being performed or administered, then any Party may request that Buyer and Seller enter into negotiations to make the minimum changes to this Agreement necessary to make this Agreement capable of being performed and administered, while attempting to preserve to the maximum extent possible the benefits, burdens, and obligations set forth in this Agreement as of the Effective Date. Upon delivery of such a request, Buyer and Seller shall engage in such negotiations in good faith. If Buyer and Seller are unable, within sixty (60) days after delivery of such request, to agree upon changes to this Agreement or to resolve issues relating to changes to this Agreement, then any Party may submit issues pertaining to changes to this Agreement to the dispute resolution process set forth in Article 16. Notwithstanding the foregoing, a change in cost shall not in and of itself be deemed to render this Agreement or any of the provisions hereof incapable of being performed or administered, or constitute, or form the basis of, a Force Majeure Event.

[Exhibits begin on following page.]

EXHIBIT A

DESCRIPTION OF THE FACILITY

Site Name: Wright Solar Park

APNs: 088-020-003, 088-020-002, 078-200-081, 078-200-082, 078-200-083, 088-020-038, 078-200-028, 078-200-030, 078-200-027, 088-020-040, 088-020-041, 088-020-027, 078-200-026

County: Merced County

Guaranteed Capacity: 200 MW AC (net, at the Delivery Point)

P-node/Delivery Point: the PNode designated by the CAISO for the Facility at the Padre Flats Substation

Additional Information:

Site Map Follows

EXHIBIT B

FACILITY CONSTRUCTION AND COMMERCIAL OPERATION

1. Construction of the Facility.

- a. Seller shall cause construction to begin on the Facility by March 1, 2019, (as such date may be extended by the Development Cure Period, the “**Guaranteed Construction Start Date**”). Seller shall demonstrate the beginning of construction through execution of Seller’s engineering, procurement and construction contract, Seller’s issuance of a notice to proceed under such contract, mobilization to site by Seller and/or its designees, and the physical movement of soil at the Facility (“**Construction Start**”). On the date of the beginning of construction (the “**Construction Start Date**”), Seller shall deliver to Buyer a certificate substantially in the form attached as Exhibit J hereto.

- b. If Construction Start is not achieved by the Guaranteed Construction Start Date, Seller shall pay Daily Delay Damages to Buyer on account of such delay. Daily Delay Damages shall be payable for each day for which Construction Start has not begun by the Guaranteed Construction Start Date. Daily Delay Damages shall be payable to Buyer by Seller until Seller reaches Construction Start of the Facility;

on or before the tenth (10th) day of each month, Buyer shall invoice Seller for Daily Delay Damages, if any, accrued during the prior month and, within ten (10) Business Days following Seller’s receipt of such invoice, Seller shall pay Buyer the amount of the Daily Delay Damages set forth in such invoice. Daily Delay Damages shall be refundable to Seller pursuant to Section 2(b) of this Exhibit B. The Parties agree that Buyer’s receipt of Daily Delay Damages shall be Buyer’s sole and exclusive remedy for the delay in achieving the Construction Start Date on or before the Guaranteed Construction Start Date, but shall (x) not be construed as Buyer’s declaration that an Event of Default has occurred under any provision of Section 11.1 and (y) not limit Buyer’s right to receive a Damage Payment upon exercise of Buyer’s rights pursuant to Section 11.2

2. Commercial Operation of the Facility. “**Commercial Operation**” means the condition existing when (i) Seller has fulfilled all of the conditions precedent in Section 2.2 of the Agreement and (ii) Seller has provided Notice to Buyer that Commercial Operation has been achieved. The “**Commercial Operation Date**” shall be the later of (x) the Earliest COD or (y) the date on which Commercial Operation is achieved.

- a. Seller shall cause Commercial Operation for the Facility to occur by November 30, 2019 (as such date may be accelerated as provided in (d) below or extended by the Development Cure Period (defined below), the “**Guaranteed Commercial Operation Date**”). Seller shall notify Buyer that it intends to achieve Commercial

Operation at least sixty (60) days before the anticipated Commercial Operation Date.

- b. If Seller achieves Commercial Operation by the Guaranteed Commercial Operation Date, all Daily Delay Damages paid by Seller shall be refunded to Seller. Seller shall include the request for refund of the Daily Delay Damages with the first invoice to Buyer after the Commercial Operation Date.
- c. If Seller does not achieve Commercial Operation by the Guaranteed Commercial Operation Date, Buyer shall retain Daily Delay Damages, as applicable, and Seller shall pay Commercial Operation Delay Damages to Buyer for each day after the Guaranteed Commercial Operation Date until the Commercial Operation Date;

[REDACTED]

[REDACTED] On or before the tenth (10th) day of each month, Buyer shall invoice Seller for Commercial Operation Delay Damages, if any, accrued during the prior month. The Parties agree that Buyer's retention of Daily Delay Damages and receipt of Commercial Operation Delay Damages shall be Buyer's sole and exclusive remedy for the first [REDACTED] days of delay in achieving the Commercial Operation Date on or before the Guaranteed Commercial Operation Date, but shall (x) not be construed as Buyer's declaration that an Event of Default has occurred under any provision of Section 11.1 and (y) not limit Buyer's right to receive a Damage Payment upon exercise of Buyer's default right pursuant to Section 11.2 [REDACTED]

[REDACTED]

[REDACTED]

- 3. **Termination for Failure to Achieve Commercial Operation.** If the Facility has not achieved Commercial Operation within [REDACTED] days after the Guaranteed Commercial Operation Date, Buyer may elect to terminate this Agreement, which termination shall be effective upon Notice to Seller.
- 4. **Extension of the Guaranteed Dates.** The Guaranteed Construction Start Date and the Guaranteed Commercial Operation Date shall be extended on a day-for-day basis (the "**Development Cure Period**") for the duration of each of the following delays:
 - a. a Force Majeure Event occurs; or
 - b. Buyer has not made all necessary arrangements to receive the Energy at the Delivery Point by the Guaranteed Commercial Operation Date.

Notwithstanding anything in this Agreement to the contrary, the cumulative extensions granted under the Development Cure Period (other than the extensions granted pursuant to clause 4(b) above) shall not exceed one hundred eighty (180) days, for any reason, including a Force Majeure Event, and no extension shall be given if the delay was the result of Seller's failure to take all commercially reasonable actions to meet its requirements and deadlines. Upon request from Buyer, Seller shall provide documentation demonstrating to Buyer's reasonable satisfaction that the delays described above did not result from Seller's actions or failure to take commercially reasonable actions.

5. **Failure to Reach Guaranteed Capacity.** If, at Commercial Operation, the Installed Capacity is at least ninety-five percent (95%) of Guaranteed Capacity, but less than the Guaranteed Capacity, Seller shall have ninety (90) days after the Commercial Operation Date to install additional capacity such that the Installed Capacity is increased, but not to exceed the Guaranteed Capacity, and Seller shall provide to Buyer a new certificate substantially in the form attached as Exhibit I-2 hereto specifying the new Installed Capacity. In the event that the Installed Capacity is still less than the Guaranteed Capacity as of such date, Seller shall pay "**Capacity Damages**" to Buyer, in an amount equal to One Hundred Thousand Dollars (\$100,000) for each MW that the Guaranteed Capacity exceeds the Installed Capacity, and the Guaranteed Capacity and other applicable portions of the Agreement shall be reduced to an amount equal to the product of (a) the amount in effect prior to such adjustment, multiplied by (b) the ratio of the Installed Capacity as of such date to the original Guaranteed Capacity.
6. **Buyer's Right to Draw on Seller Development Security.** If Seller fails to timely pay any Daily Delay Damages or Commercial Operation Delay Damages, Buyer may draw upon the Seller Development Security to satisfy Seller's payment obligation thereof, and Seller shall replenish the Seller Development Security to its full amount within five (5) Business Days after such draw.



EXHIBIT C
RESERVED

EXHIBIT D

EMERGENCY CONTACT INFORMATION

BUYER:

Contracts Manager
Peninsula Clean Energy

Fax No.:

Phone No.: 650-561-6645
Email: contracts@peninsulacleanenergy.com

SELLER:

Attn: Balduin Hesse, CEO of Frontier Renewables, Manager of Wright Solar Park, LLC

Phone: 650-539-3380
Email: bhesse@frontier-renewables.com

EXHIBIT E

FORM OF SELLER PARENT GUARANTY

This Seller Parent Guaranty (this “Guaranty”) is entered into as of [_____] (the “Effective Date”) by and between [_____] a [_____] (“Guarantor”), and Peninsula Clean Energy, a California joint powers authority (together with its successors and permitted assigns, “Buyer”).

Recitals

- A. Buyer and [_____] a [_____] (“Seller”), entered into that certain Power Purchase and Sale Agreement (as amended, restated or otherwise modified from time to time, the “PPA”) dated as of [____], 2016.
- B. Guarantor is entering into this Guaranty as Seller Performance Security to secure Seller’s obligations under the PPA, as required by Section 8.8 of the PPA.
- C. It is in the best interest of Guarantor to execute this Guaranty inasmuch as Guarantor will derive substantial direct and indirect benefits from the execution and delivery of the PPA.
- D. Initially capitalized terms used but not defined herein have the meaning set forth in the PPA.

Agreement

1. Guaranty. For value received, Guarantor does hereby unconditionally, absolutely and irrevocably guarantee, as primary obligor and not as a surety, to Buyer the full, complete and prompt payment by Seller of any and all amounts and payment obligations now or hereafter owing from Seller to Buyer under the PPA, including, without limitation, compensation for penalties, the Termination Payment, indemnification payments or other damages, as and when required pursuant to the terms of the PPA in an aggregate liability not to exceed [_____] (the “Guaranteed Amount”). The Parties understand and agree that any payment by Guarantor or Seller of any portion of the Guaranteed Amount shall thereafter reduce Guarantor’s maximum aggregate liability hereunder on a dollar-for-dollar basis. This Guaranty is an irrevocable, absolute, unconditional and continuing guarantee of the full and punctual payment, and not of collection, of the Guaranteed Amount and, except as otherwise expressly addressed herein, is in no way conditioned upon any requirement that Buyer first attempt to collect the payment of the Guaranteed Amount from Seller, any other guarantor of the Guaranteed Amount or any other person or entity or resort to any other means of obtaining payment of the Guaranteed Amount. In the event Seller shall fail to duly, completely or punctually pay any Guaranteed Amount as required pursuant to the PPA, Guarantor shall promptly, after giving effect to all applicable notice and grace, pay such amount as required herein.

2. Demand Notice. For avoidance of doubt, a payment shall be due for purposes of this Guaranty only when and if a payment is due and payable by Seller to Buyer under the terms and conditions of the PPA. If Seller fails to pay any Guaranteed Amount as required pursuant to the PPA for five (5) Business Days following Seller’s receipt of Buyer’s written notice of such failure (the “Demand Notice”), then Buyer may elect to exercise its rights under this Guaranty and may make a demand upon Guarantor (a “Payment Demand”) for such unpaid Guaranteed Amount. A Payment Demand shall be in writing and shall reasonably specify in what manner and what amount

Seller has failed to pay and an explanation of why such payment is due and owing, with a specific statement that Buyer is requesting that Guarantor pay under this Guaranty. Guarantor shall, within five (5) Business Days following its receipt of the Payment Demand, pay the Guaranteed Amount to Buyer.

3. Scope and Duration of Guaranty. This Guaranty applies only to the Guaranteed Amount. This Guaranty shall continue in full force and effect from the Effective Date until all Guaranteed Amounts have been paid in full (whether directly or indirectly through set-off or netting of amounts owed by Buyer to Seller). Notwithstanding the foregoing, this Guaranty shall automatically terminate and be of no further force or effect if Seller replaces this Guaranty with an alternative form of Seller Performance Security acceptable to Buyer. Further, this Guaranty (a) shall remain in full force and effect without regard to, and shall not be affected or impaired by any invalidity, irregularity or unenforceability in whole or in part of this Guaranty, and (b) subject to the preceding sentence, shall be discharged only by complete performance of the undertakings herein. Without limiting the generality of the foregoing, the obligations of the Guarantor hereunder shall not be released, discharged, or otherwise affected and this Guaranty shall not be invalidated or impaired or otherwise affected for the following reasons:

(i) the extension of time for the payment of any Guaranteed Amount,
or

(ii) any amendment, modification or other alteration of the PPA, or

(iii) any indemnity agreement Seller may have from any party, or

(iv) any insurance that may be available to cover any loss, except to the extent insurance proceeds are used to satisfy the Guaranteed Amount, or

(v) any voluntary or involuntary liquidation, dissolution, receivership, insolvency, bankruptcy, assignment for the benefit of creditors, reorganization, arrangement, composition or readjustment of, or other similar proceeding affecting, Seller or any of its assets, including but not limited to any rejection or other discharge of Seller's obligations under the PPA imposed by any court, trustee or custodian or any similar official or imposed by any law, statute or regulation, in each such event in any such proceeding, or

(vi) the release, modification, waiver or failure to pursue or seek relief with respect to any other guaranty, pledge or security device whatsoever, or

(vii) any payment to Buyer by Seller that Buyer subsequently returns to Seller pursuant to court order in any bankruptcy or other debtor-relief proceeding, or

(viii) those defenses based upon (A) the legal incapacity or lack of power or authority of any person, including Seller and any representative of Seller to enter into the PPA or perform its obligations thereunder, (B) lack of due execution, delivery, validity or enforceability, including of the PPA, or (C) Seller's inability to pay any Guaranteed Amount or perform its obligations under the PPA, or

(ix) any other event or circumstance that may now or hereafter constitute a defense to payment of the Guaranteed Amount, including, without limitation, statute of frauds and accord and satisfaction.

4. Waivers by Guarantor. Guarantor hereby unconditionally waives as a condition precedent to the performance of its obligations hereunder, with the exception of the requirements in Paragraph 2, (a) notice of acceptance, presentment or protest with respect to the Guaranteed Amounts and this Guaranty, (b) notice of any action taken or omitted to be taken by Buyer in reliance hereon, (c) any requirement that Buyer exhaust any right, power or remedy or proceed against Seller under the PPA, and (d) any event, occurrence or other circumstance which might otherwise constitute a legal or equitable discharge of a surety. Without limiting the generality of the foregoing waiver of surety defenses, it is agreed that the occurrence of any one or more of the following shall not affect the liability of Guarantor hereunder:

(i) at any time or from time to time, without notice to Guarantor, the time for payment of any Guaranteed Amount shall be extended, or such performance or compliance shall be waived;

(ii) the obligation to pay any Guaranteed Amount shall be modified, supplemented or amended in any respect in accordance with the terms of the PPA;

(iii) subject to Section 10, any (a) sale, transfer or consolidation of Seller into or with any other entity, (b) sale of substantial assets by, or restructuring of the corporate existence of, Seller or (c) change in ownership of any membership interests of, or other ownership interests in, Seller; or

(iv) the failure by Buyer or any other person to create, preserve, validate, perfect or protect any security interest granted to, or in favor of, Buyer or any person.

Notwithstanding any other provision of this Guaranty to the contrary, Guarantor hereby reserves all rights and remedies accorded by applicable laws to sureties or guarantors based on the defense of the statute of limitations related to the enforceability of this Guaranty in any action or proceeding for the payment of any Guaranteed Amount.

5. Subrogation. Notwithstanding any payments that may be made hereunder by the Guarantor, Guarantor hereby agrees that until the earlier of payment in full of all Guaranteed Amounts or expiration of the Guaranty in accordance with Section 3, it shall not be entitled to, nor shall it seek to, exercise any right or remedy arising by reason of its payment of any Guaranteed Amount under this Guaranty, whether by subrogation or otherwise, against Seller or seek contribution or reimbursement of such payments from Seller.

6. Representations and Warranties. Guarantor hereby represents and warrants that (a) it has all necessary and appropriate corporate powers and authority and the legal right to execute and deliver, and perform its obligations under, this Guaranty, (b) this Guaranty constitutes its legal, valid and binding obligations enforceable against it in accordance with its terms, except as enforceability may be limited by bankruptcy, insolvency, moratorium and other similar laws affecting enforcement of creditors' rights or general principles of equity, (c) the execution, delivery and performance of this Guaranty does not and will not contravene Guarantor's organizational documents, any applicable law or any contractual provisions binding on or affecting Guarantor,

(d) there are no actions, suits or proceedings pending before any court, governmental agency or arbitrator, or, to the knowledge of the Guarantor, threatened, against or affecting Guarantor or any of its properties or revenues which may, in any one case or in the aggregate, adversely affect the ability of Guarantor to enter into or perform its obligations under this Guaranty, and (e) no consent or authorization of, filing with, or other act by or in respect of, any arbitrator or governmental authority, and no consent of any other Person (including, any stockholder or creditor of the Guarantor), that has not heretofore been obtained is required in connection with the execution, delivery, performance, validity or enforceability of this Guaranty by Guarantor.

7. Notices. Notices under this Guaranty shall be deemed received if sent to the address specified below: (i) on the day received if served by overnight express delivery, and (ii) four business days after mailing if sent by certified, first class mail, return receipt requested. If transmitted by facsimile, such notice shall be deemed received when the confirmation of transmission thereof is received by the party giving the notice. Any party may change its address or facsimile to which notice is given hereunder by providing notice of the same in accordance with this Paragraph 7.

If delivered to Buyer, to it at

Peninsula Clean Energy

Attn: Contract Manager, Director of Power Resources

Fax:

If delivered to Guarantor, to it at

[_____]

Attn: [_____]

Fax: [_____]

8. Governing Law and Forum Selection. This Guaranty shall be governed by, and interpreted and construed in accordance with, the laws of the United States and the State of California, excluding choice of law rules. The Parties agree that any suit, action or other legal proceeding by or against any party (or its affiliates or designees) with respect to or arising out of this Guaranty shall be brought in the federal courts of the United States or the courts of the State of California sitting in the City and County of San Francisco, California.

9. Miscellaneous. This Guaranty shall be binding upon Guarantor and its successors and assigns and shall inure to the benefit of Buyer and its successors and permitted assigns pursuant to the PPA. No provision of this Guaranty may be amended or waived except by a written instrument executed by Guarantor and Buyer. This Guaranty is not assignable by Guarantor without the prior written consent of Buyer. This Guaranty embodies the entire agreement and understanding of the parties hereto with respect to the subject matter hereof and supersedes all prior or contemporaneous agreements and understandings of the parties hereto, verbal or written, relating to the subject matter hereof. If any provision of this Guaranty is determined to be illegal or unenforceable (i) such provision shall be deemed restated in accordance with applicable Laws to reflect, as nearly as possible, the original intention of the parties hereto and (ii) such determination shall not affect any other provision of this Guaranty and all other provisions shall remain in full force and effect. This Guaranty may be executed in any number of separate counterparts, each of which when so executed shall be deemed an original, and all of said counterparts taken together shall be deemed to constitute one and

the same instrument. This Guaranty may be executed and delivered by electronic means with the same force and effect as if the same was a fully executed and delivered original manual counterpart.

10. WAIVER OF JURY TRIAL; JUDICIAL REFERENCE.

(a) JURY WAIVER. EACH PARTY HERETO HEREBY WAIVES, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN ANY LEGAL PROCEEDING DIRECTLY OR INDIRECTLY ARISING OUT OF OR RELATING TO THIS GUARANTY OR THE TRANSACTIONS CONTEMPLATED HEREBY (WHETHER BASED ON CONTRACT, TORT OR ANY OTHER THEORY). EACH PARTY HERETO (A) CERTIFIES THAT NO REPRESENTATIVE, AGENT OR ATTORNEY OF ANY OTHER PARTY HAS REPRESENTED, EXPRESSLY OR OTHERWISE, THAT SUCH OTHER PARTY WOULD NOT, IN THE EVENT OF LITIGATION, SEEK TO ENFORCE THE FOREGOING WAIVER AND (B) ACKNOWLEDGES THAT IT AND THE OTHER PARTY HERETO HAVE BEEN INDUCED TO ENTER INTO THIS AGREEMENT BY, AMONG OTHER THINGS, THE MUTUAL WAIVERS AND CERTIFICATIONS IN THIS SECTION.

(b) JUDICIAL REFERENCE. IN THE EVENT ANY LEGAL PROCEEDING IS FILED IN A COURT OF THE STATE OF CALIFORNIA (THE “COURT”) BY OR AGAINST ANY PARTY HERETO IN CONNECTION WITH ANY CONTROVERSY, DISPUTE OR CLAIM DIRECTLY OR INDIRECTLY ARISING OUT OF OR RELATING TO THIS GUARANTY OR THE TRANSACTIONS CONTEMPLATED HEREBY (WHETHER BASED ON CONTRACT, TORT OR ANY OTHER THEORY) (EACH, A “CLAIM”) AND THE WAIVER SET FORTH IN THE PRECEDING PARAGRAPH IS NOT ENFORCEABLE IN SUCH ACTION OR PROCEEDING, THE PARTIES HERETO AGREE AS FOLLOWS:

- (i) ANY CLAIM (INCLUDING BUT NOT LIMITED TO ALL DISCOVERY AND LAW AND MOTION MATTERS, PRETRIAL MOTIONS, TRIAL MATTERS AND POST-TRIAL MOTIONS) WILL BE DETERMINED BY A GENERAL REFERENCE PROCEEDING IN ACCORDANCE WITH THE PROVISIONS OF CALIFORNIA CODE OF CIVIL PROCEDURE SECTIONS 638 THROUGH 645.1. THE PARTIES INTEND THIS GENERAL REFERENCE AGREEMENT TO BE SPECIFICALLY ENFORCEABLE IN ACCORDANCE WITH CALIFORNIA CODE OF CIVIL PROCEDURE SECTION 638.
- (ii) UPON THE WRITTEN REQUEST OF ANY PARTY, THE PARTIES SHALL SELECT A SINGLE REFEREE, WHO SHALL BE A RETIRED JUDGE OR JUSTICE. IF THE PARTIES DO NOT AGREE UPON A REFEREE WITHIN TEN (10) DAYS OF SUCH WRITTEN REQUEST, THEN, ANY PARTY MAY REQUEST THE COURT TO APPOINT A REFEREE PURSUANT TO CALIFORNIA CODE OF CIVIL PROCEDURE SECTION 640(B).

- (iii) THE PARTIES RECOGNIZE AND AGREE THAT ALL CLAIMS RESOLVED IN A GENERAL REFERENCE PROCEEDING PURSUANT HERETO WILL BE DECIDED BY A REFEREE AND NOT BY A JURY.

[Signatures on next page]

IN WITNESS WHEREOF, the undersigned has caused this Guaranty to be duly executed and delivered by its duly authorized representative on the date first above written.

GUARANTOR:

[_____]

By:_____

Printed Name:_____

Title:_____

BUYER:

PENINSULA CLEAN ENERGY

By:_____

Printed Name:_____

Title:_____

By:_____

Printed Name:_____

Title:_____

EXHIBIT F

GUARANTEED ENERGY PRODUCTION DAMAGES CALCULATION

In accordance with Section 4.7, if Seller fails to achieve the Guaranteed Energy Production during any Performance Measurement Period, a liquidated damages payment shall be due from Seller to Buyer, calculated as follows:

$$[(A - B) * (C - D)]$$

where:

A = the Guaranteed Energy Production amount for the Performance Measurement Period, in MWh

B = the Adjusted Energy Production amount for the Performance Measurement Period, in MWh

C = Replacement price for the Performance Measurement Period, in \$/MWh, which is the sum of (a) the simple average of the Integrated Forward Market hourly price for all the hours in the Performance Measurement Period, as published by the CAISO, for the Existing Zone Generation Trading Hub (as defined in the CAISO Tariff) for the Delivery Point, plus (b) the lesser of (x) \$50/MWh and (y) the market value of Replacement Green Attributes.

D = the Contract Price for the Performance Measurement Period, in \$/MWh

No payment shall be due if the calculation of (A - B) or (C - D) yields a negative number.

Within sixty (60) days after each Performance Measurement Period, Buyer will send Seller Notice of the amount of damages owing, if any, which shall be payable to Buyer before the later of (a) thirty (30) days of such Notice and (b) ninety (90) days after each Performance Measurement Period, provided that the amount of damages owing shall be adjusted to account for Replacement Product, if any, delivered after each applicable Performance Measurement Period.

Additional Definitions:

“Adjusted Energy Production” shall mean the sum of the following: Metered Energy + Deemed Delivered Energy + Lost Output + Replacement Product – Excess MWh.

“Lost Output” means the sum of Energy in MWh that would have been generated and delivered, but was not, on account of Force Majeure Event, Buyer Default, or Curtailment Order. The additional MWh shall be calculated using an equation provided by Seller, as approved by Buyer in its reasonable discretion, to reflect the potential generation of the Facility as a function of Available Capacity, solar insolation and panel temperature, and using relevant Facility availability, weather, historical and other pertinent data for the period of time during the period in which the Force Majeure Event, Buyer Default, or Curtailment Order occurred.

“Replacement Green Attributes” means Renewable Energy Credits of the same Portfolio Content Category (e.g., PCC1) as the Product and of the same timeframe for retirement as the Renewable Energy Credits that would have been generated by the Facility during the Performance Measurement Period for which the Replacement Green Attributes are being provided.

“Replacement Energy” means energy and associated Green Attributes produced by a facility other than the Facility that, at the time delivered to Buyer, qualifies under Public Utilities Code 399.16(b)(1), and has Green Attributes that have the same or comparable value, including with respect to the timeframe for retirement of such Green Attributes, if any, as the Green Attributes that would have been generated by the Facility during the Contract Year for which the Replacement Energy is being provided.

“Replacement Product” means (a) Replacement Energy, and (b) all Replacement Green Attributes.

EXHIBIT G
PROGRESS REPORTING FORM

For new facilities, within fifteen (15) days after the close of (i) each calendar quarter from the first calendar quarter following the Effective Date until the Construction Start Date, and (ii) each calendar month from the first calendar month following the Construction Start Date until the Commercial Operation Date, Seller shall provide to Buyer a written Progress Report in the form specified below.

Each Progress Report must include the following items:

1. Executive Summary.
2. Facility description.
3. Site plan of the Facility.
4. Description of any planned changes to the Facility or the site.
5. Gantt chart schedule showing progress on achieving each of the Milestones.
6. Summary of activities during the previous calendar month, including any OSHA labor hour reports.
7. Forecast of activities scheduled for the current calendar quarter.
8. Written description about the progress relative to Seller's Milestones, including whether Seller has met or is on target to meet the Milestones.
9. List of issues that could potentially affect Seller's Milestones.
10. A status report of start-up activities including a forecast of activities ongoing and after start-up, a report on Facility performance including performance projections for the next twelve (12) months.
11. Progress and schedule of all agreements, contracts, permits, approvals, technical studies, financing agreements and major equipment purchase orders showing the start dates, completion dates, and completion percentages.
12. Pictures, in sufficient quantity and of appropriate detail, in order to document construction and startup progress of the Facility, the interconnection into the Transmission System and all other interconnection utility services.
13. Any other documentation reasonably requested by Buyer.

EXHIBIT H
RESERVED

EXHIBIT I-1

FORM OF COMMERCIAL OPERATION DATE CERTIFICATE

This certification (“**Certification**”) of Commercial Operation is delivered by _____[*licensed professional engineer*] (“**Engineer**”) to Peninsula Clean Energy (“**Buyer**”) in accordance with the terms of that certain Power Purchase and Sale Agreement dated _____ (“**Agreement**”) by and between [*Seller*] and Buyer. All capitalized terms used in this Certification but not otherwise defined herein shall have the respective meanings assigned to such terms in the Agreement.

Engineer hereby certifies and represents to Buyer the following:

- (1) Seller has installed equipment with a nameplate capacity of no less than ninety-five percent (95%) of the Guaranteed Capacity.
- (2) The Facility’s testing included a performance test demonstrating peak electrical output of no less than ninety-five percent (95%) of the Guaranteed Capacity at the Delivery Point, as adjusted for ambient conditions on the date of the Facility testing, and such peak electrical output, as adjusted, was [peak output in MW].
- (3) Authorization to parallel the Facility was obtained by the Participating Transmission Owner, [Name of Participating Transmission Owner as appropriate] on _____[DATE]_____.
- (4) The Participating Transmission Owner or Distribution Provider has provided documentation supporting full unrestricted release for Commercial Operation by [Name of Participating Transmission Owner as appropriate] on _____[DATE]_____.
- (5) The CAISO has provided notification supporting Commercial Operation, in accordance with the CAISO tariff on _____[DATE]_____.

EXECUTED by [LICENSED PROFESSIONAL ENGINEER]

this _____ day of _____, 20__.

[LICENSED PROFESSIONAL ENGINEER]

By: _____

Its: _____

Date: _____

EXHIBIT I-2

FORM OF INSTALLED CAPACITY CERTIFICATE

This certification (“**Certification**”) of Installed Capacity is delivered by [licensed professional engineer] (“**Engineer**”) to PENINSULA CLEAN ENERGY (“**Buyer**”) in accordance with the terms of that certain Power Purchase and Sale Agreement dated _____ (“**Agreement**”) by and between [*SELLER ENTITY*] and Buyer. All capitalized terms used in this Certification but not otherwise defined herein shall have the respective meanings assigned to such terms in the Agreement.

The initial Facility performance test under Seller’s EPC contract for the Facility demonstrated peak Facility electrical output of __MW AC at the Delivery Point, as adjusted for ambient conditions on the date of the performance test (“**Installed Capacity**”).

EXECUTED by [LICENSED PROFESSIONAL ENGINEER]

this _____ day of _____, 20__.

[LICENSED PROFESSIONAL ENGINEER]

By: _____

Its: _____

Date: _____

EXHIBIT J

FORM OF CONSTRUCTION START DATE CERTIFICATE

This certification ("**Certification**") of the Construction Start Date is delivered by [SELLER ENTITY] ("**Seller**") to PENINSULA CLEAN ENERGY ("**Buyer**") in accordance with the terms of that certain Power Purchase and Sale Agreement dated _____ ("**Agreement**") by and between Seller and Buyer. All capitalized terms used in this Certification but not otherwise defined herein shall have the respective meanings assigned to such terms in the Agreement.

Seller hereby certifies and represents to Buyer the following:

1. the EPC Contract related to the Facility was executed on _____;
2. the Limited Notice to Proceed with the construction of the Facility was issued on _____ (attached);
3. the Construction Start Date has occurred;
4. the precise Site on which the Facility is located is, which must be within the boundaries of the previously identified Site:

(such description shall amend the description of the Site in Exhibit A).

IN WITNESS WHEREOF, the undersigned has executed this Certification on behalf of Seller as of the ____ day of _____.

[SELLER ENTITY]

By: _____

Its: _____

Date: _____

EXHIBIT K

FORM OF LETTER OF CREDIT

[Issuing Bank Letterhead and Address]

IRREVOCABLE STANDBY LETTER OF CREDIT NO. [XXXXXXXX]

Date:

Bank Ref.:

Amount: US\$[XXXXXXXX]

Expiry Date:

Beneficiary:

Peninsula Clean Energy

[Address]

Ladies and Gentlemen:

On behalf of [XXXXXXXX] ("Applicant"), we, **[insert bank name and address]** ("Issuer") hereby issue our Irrevocable Standby Letter of Credit No. [XXXXXXXX] (the "Letter of Credit") in favor of Peninsula Clean Energy, Address _____, for an amount not to exceed the aggregate sum of U.S. \$[XXXXXXXX] (United States Dollars [XXXXXXXX] and 00/100), pursuant to that certain **[Agreement]** dated as of _____ (the "Agreement") between Applicant and Beneficiary. This Letter of Credit shall become effective immediately and shall have an initial expiry date of _____, 201_ subject to the automatic extension provisions herein.

Funds under this Letter of Credit are available to you against your draft(s) drawn on us at sight, mentioning thereon our Letter of Credit No. [XXXXXXXX] accompanied by your dated statement purportedly signed by your duly authorized representative, in the form attached hereto as Exhibit A, containing one of the two alternative paragraphs set forth in paragraph 2 therein.

We hereby agree with the Beneficiary that all drafts drawn under and in compliance with the terms of this Letter of Credit will be duly honored upon presentation to the Issuer in person, by courier or by fax at **[insert bank address]**. Payment shall be made by Issuer in U.S. dollars with Issuer's own immediately available funds.

The document(s) required may also be presented by fax at facsimile no. (xxx) xxx-xxx on or before the expiry date (as may be extended below) on this Letter of Credit in accordance with the terms and conditions of this Letter of Credit. No mail confirmation is necessary and the facsimile transmission will constitute the operative drawing documents without the need of originally signed documents.

Partial draws are permitted under this Letter of Credit.

It is a condition of this Letter of Credit that it shall be deemed automatically extended without an amendment for a one year period beginning on the present expiry date hereof and upon each anniversary for such date, unless at least ninety (90) days prior to any such expiry date we have sent to you written notice by overnight courier service that we elect not to permit this Letter of Credit to be so extended, in which case it will expire on its then current expiry date. No presentation made under this Letter of Credit after such expiry date will be honored.

Notwithstanding any reference in this Letter of Credit to any other documents, instruments or agreements, this Letter of Credit contains the entire agreement between Beneficiary and Issuer relating to the obligations of Issuer hereunder.

This Letter of Credit is subject to the Uniform Customs and Practice for Documentary Credits (2007 Revision) International Chamber of Commerce Publication No. 600 (the "UCP"), except to the extent that the terms hereof are inconsistent with the provisions of the UCP, including but not limited to 36 of the UCP, in which case the terms of this Letter of Credit shall govern. In the event of an act of God, riot, civil commotion, insurrection, war or any other cause beyond Issuer's control (as defined in Article 36 of the UCP) that interrupts Issuer's business and causes the place for presentation of the Letter of Credit to be closed for business on the last day for presentation, the expiry date of the Letter of Credit will be automatically extended without amendment to a date thirty (30) calendar days after the place for presentation reopens for business.

Please address all correspondence regarding this Letter of Credit to the attention of the Letter of Credit Department at **[insert bank address information]**, referring specifically to Issuer's Letter of Credit No. **[XXXXXXXX]**. For telephone assistance, please contact Issuer's Standby Letter of Credit Department at **[XXX-XXX-XXXX]** and have this Letter of Credit available.

[Bank Name]

[Insert officer name]
[Insert officer title]

DRAW REQUEST SHOULD BE ON BENEFICIARY'S LETTERHEAD)

Drawing Certificate

[Insert Bank Name and Address]

Ladies and Gentlemen:

The undersigned, a duly authorized representative of Peninsula Clean Energy, Address _____ as beneficiary (the "Beneficiary") of the Irrevocable Letter of Credit No. **[XXXXXXXX]** (the "Letter of Credit") issued by **[insert bank name]** (the "Bank") by order of **[XXXXXXXX]** (the "Applicant"), hereby certifies to the Bank as follows:

1. Applicant and Beneficiary are party to that certain Agreement dated as of **[XXXXXXXX]** (the "Agreement").
2. Beneficiary is making a drawing under this Letter of Credit in the amount of U.S. \$_____.

or

Beneficiary is making a drawing under this Letter of Credit in the amount of U.S. \$_____, which equals the full available amount under the Letter of Credit, because the Bank has provided notice of its intent to not extend the expiry date of the Letter of Credit and Applicant failed to provide acceptable replacement security to Beneficiary at least thirty (30) days prior to the expiry date of the Letter of Credit.

3. The undersigned is a duly authorized representative of Peninsula Clean Energy and is authorized to execute and deliver this Drawing Certificate on behalf of Beneficiary.

You are hereby directed to make payment of the requested amount to Peninsula Clean Energy by wire transfer in immediately available funds to the following account:

[Specify account information]

Peninsula Clean Energy

Name and Title of Authorized Representative

Date_____



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: September 19, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jan Pepper, Chief Executive Officer, Peninsula Clean Energy
SUBJECT: Review of Strategic Goals

BACKGROUND:

At the board retreat held in November 2016, the Board of Directors developed a mission statement and set a number of strategic goals for the organization. Now that Peninsula Clean energy is fully launched, it is an appropriate time to review the mission statement and strategic goals to determine if they continue to reflect the future direction of PCE.

Mission Statement

The mission statement adopted by the board is:

Peninsula Clean Energy is San Mateo County's locally-controlled electricity provider. We are reducing greenhouse gas emissions and offering customer choice at competitive rates.

Strategic Goals

The strategic goals adopted by the board are:

1. Design a diverse power portfolio that is greenhouse gas free.
 - 100% GHG free by 2021
 - sourced by 100% CA RPS eligible renewable energy by 2022
 - create a minimum of 20 MWs of new local power by 2025
2. Continually strive to offer ECOPlus at rates that are at parity or lower than PG&E rates.
3. Stimulate development of new renewable energy projects and clean-tech innovation in San Mateo County and California through PCE's procurement activities.
4. Demonstrate quantifiable economic benefits to the County/region and place a priority on local hiring and workforce development practices and environmental justice.

5. Implement programs to further reduce greenhouse gas emissions by investing in programs such as local clean power production, electric vehicles, energy efficiency, and demand response, and partnering effectively with local business, schools, and nonprofit organizations.
6. Maximize and maintain customer participation in PCE.
 - Provide a superior customer experience
 - Develop PCE brand awareness and loyalty throughout the County.
 - Actively encourage voluntary participation in its ECO100 renewable energy product
 - Actively encourage participation in other programs PCE develops
 - Achieve recognition from the EPA's Green Power Partnership for Green Power Communities for all cities with municipal accounts enrolled in ECO100 by 2018
7. Build a financially sustainable organization.
 - Build sufficient reserves in a rate stabilization fund
 - Achieve an investment grade credit rating by 2021
8. Foster a work environment that espouses sustainable business practices and cultivates a culture of innovation, diversity, transparency, integrity, and commitment to the organization's mission and the communities it serves.

DISCUSSION:

The following provides a brief overview on the progress toward achieving the strategic goals.

1. Design a diverse power portfolio that is greenhouse gas free.
 - 100% GHG free by 2021
 - sourced by 100% CA RPS eligible renewable energy by 2022
 - create a minimum of 20 MWs of new local power by 2025

PCE is continually increasing the GHG free content of the ECOplus product. In 2016, the GHG free content was 75%; in 2017 it is 80%; in 2018, it will be 85%; in 2019, it will be 90%; in 2020, it will be 95%; in 2021 it will be 100%.

2. Continually strive to offer ECOPlus at rates that are at parity or lower than PG&E rates.

In 2016 and 2017, PCE offered ECOplus at 5% below PG&E's rates for all rate classes. PCE plans to continue the 5% savings going forward.

3. Stimulate development of new renewable energy projects and clean-tech innovation in San Mateo County and California through PCE's procurement activities.

Thus far in calendar year 2017, PCE has signed long-term power purchase agreements for 300 MW of new solar photovoltaics which will be built in Merced and Kings County, CA.

4. Demonstrate quantifiable economic benefits to the County/region and place a priority on local hiring and workforce development practices.

In calendar year 2017, PCE estimates that businesses and residents have saved approximately \$17.4 million as PCE customers. By the end of the year, PCE expects to have hired 14 local

people.

5. Implement programs to further reduce greenhouse gas emissions by investing in local clean power production, energy efficiency, and demand response, and partnering effectively with local business.

PCE is actively developing criteria and metrics by which to select local programs, which will be implemented over the next year.

6. Maximize and maintain customer participation in PCE.
 - Provide a superior customer experience
 - Develop PCE brand awareness and loyalty throughout the County.
 - Actively encourage voluntary participation in its ECO100 renewable energy product
 - Actively encourage participation in other programs PCE develops
 - Achieve recognition from the EPA's Green Power Partnership for Green Power Communities for all cities with municipal accounts enrolled in ECO100 by 2018

PCE is maximizing and maintaining customer participation with the low opt-out rate of approximately 2%, the lowest of any CCA.

7. Build a financially sustainable organization.
 - Build sufficient reserves in a rate stabilization fund
 - Achieve an investment grade credit rating by 2021

PCE is ahead of plan in building financial reserves. PCE plans to pay off its loans from Barclays and the County of San Mateo in December of 2017, many years ahead of schedule.

8. Foster a work environment that espouses sustainable business practices and cultivates a culture of innovation, diversity, transparency, integrity, and commitment to the organization's mission and the communities it serves.

PCE is a great place to work!



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: September 15, 2017

BOARD MEETING DATE: September 23, 2017

SPECIAL NOTICE/HEARING: None

VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors

FROM: Kirsten Andrews-Schwind, Communications and Outreach Manager

SUBJECT: Local Energy Programs Evaluation Criteria

BACKGROUND:

The PCE staff has collaborated to draft guidance for those interested in proposing local program ideas to PCE, to ensure these programs meet our institutional goals, policies, and are an effective investment of PCE funds. Staff is sharing the draft document with the PCE Board of Directors for discussion.



Draft Staff Guidance on Local Programs

Prepared for the September 2017 Retreat of the PCE Board of Directors

Introduction

The Board of Directors of Peninsula Clean Energy has set multiple goals for greenhouse gas reductions, local renewable development, workforce development, and other goals that can be met through designing local programs to be implemented in San Mateo County. As responsible stewards of PCE funds, Peninsula Clean Energy strives to launch programs that are most effective at meeting these multiple goals. To this end, staff proposes the following draft criteria and guidance for choosing local programs. This document also raises key questions for the board's discussion.

Recommended Process for Choosing Local Programs

1. Staff creates a list of specific criteria based on PCE board's strategic goals.
2. Staff develops a scoring matrix based on the criteria, with input from the Board
3. When the criteria and scoring matrix are finalized by staff, review them with the Executive Committee and then the Board.
4. Staff creates an online form based on the criteria for staff, board, and public to input their local program ideas. The form makes it clear what information we need to fully evaluate the proposal.
5. Staff evaluates proposals based on weighted criteria as well as ease or difficulty for PCE to implement the program in terms of staff resources and other factors.
6. Staff brings top proposals to Executive Committee for vetting, then to full board.
7. Local program implementation begins after PCE's initial financial stability goals have been met.

Examples of Local Programs for CCAs

Marin Clean Energy (now known as MCE Clean Energy) has three types of local programs:

- 19 megawatts of local renewable energy projects are online, under construction, or soon-to-be under construction in its service territory.
- A Feed-In Tariff (FIT) incentivizing the development of small-scale renewable energy projects such as solar, wind, or biomass up to one megawatt within its service area. The program offers standardized, 20-year term contracts with a fixed price per kWh generated, which can help secure project financing.
- Energy efficiency programs for single family, multifamily, and commercial customers, including energy efficiency audits, rebates, on-bill-financing for upgrades, and on-line tools for managing energy efficiency projects.ⁱ

Note that in San Mateo County, the County Office of Sustainability already offers some of these energy efficiency services to PCE customers.

Sonoma Clean Power has pioneered an electric vehicle incentive program offering negotiated reduced pricing on electric vehicles from local dealerships, local purchase credits in addition to state and federal incentives, and free home electric vehicle charging equipment for qualifying customers.ⁱⁱ

Lancaster Choice Energy is partnering with the local Antelope Valley Transit Authority to fully electrify its bus fleet by 2018.ⁱⁱⁱ

Additional local program ideas discussed at the PCE Citizens Advisory Committee meeting in August 2017 include:

- Energy storage deployment including batteries, electric vehicles, and other devices. This could potentially be combined with local micro-grid development, for example to increase resilience at hospitals, community service centers, and other institutions vulnerable to power outages.
- Fuel switching, which typically involves shifting from gas power to electric power in homes and businesses. Sonoma Clean Power's electric vehicle program is an example of fuel switching, but it can also take the form of replacing gas burning appliances with electric ones such as heat pump water heaters.^{iv}

List of Draft Local Program Criteria

Staff recommends the following criteria be used to choose effective local programs for PCE. The criteria are divided into those that all proposals would be required to address, and those that would add points to any proposal that chooses to address them.

Required Criteria

1. GHG emissions reductions
2. Cost effectiveness
3. Number of customers served
4. Geographic diversity in San Mateo County communities served
5. Supports PCE's workforce policy
6. Helps PCE match supply to load
7. PCE Implementation Requirements (for example, staff time needed)

Criteria that Add Points to Proposals

8. Contributes to procurement goals: creating 20 MW of new local power by 2025, 100% GHG-free power for 2021, 100% renewable energy by 2025
9. Benefits disadvantaged communities
10. Innovative, scalable, and replicable
11. Supports community resilience
12. Fills a gap in current utility offerings

Proposed draft guidance for those who may wish to propose local programs to PCE are listed below, including requests for key data to help measure a program's effectiveness in meeting PCE goals.

1. Greenhouse Gas (GHG) Emissions Reductions

To combat climate change, PCE is placing importance on how local programs can reduce GHG emissions. For PCE staff to properly assess the GHG reduction potential of your project/program over the first ten years, please attach an excel-based analysis and a brief narrative detailing how your proposal would reduce GHG emissions in San Mateo County. The analysis and the narrative should include the following:

- Introduction and background on the project
- List of assumptions and data sources
- Clear and easy-to-follow calculations
- Background on organizations, businesses, and other entities to be involved (if applicable)

Please use PCE's data sources and use conservative estimates. Below are factors to consider. This is not an exhaustive list and factors may not be applicable to all projects.

- Primary GHG reduction sector, such as transportation, building, electric, etc
- Secondary GHG effects of project such as fuel-switching effects, increase/decrease in vehicle miles traveled, shift in mode of transportation, or impact on public transportation
- One-time GHG effects such as large construction projects or deforestation
- Fluctuating reductions in GHG emissions due to factors such as program enrollment, grid-

- improvement, or increases in fuel-efficiency
- Population growth and other external trends that may affect your GHG emissions

Metrics to Consider

This not an exhaustive list and some metrics may not be applicable to your project. Provide calculations and data sources used.

- % reduction of baseline emissions
- Tonnes CO2 avoided /year
- Tonnes CO2 avoided/installation of project
- Tonnes CO2 avoided/SMC resident
- Tonnes CO2 avoided/MWh of energy consumed
- Tonnes CO2 avoided/MW of capacity installed
- Tonnes avoided/person adopting

If an Excel analysis is not possible, include an explanation of why an Excel-based option was not possible, for example missing data, lack of Excel expertise, other factors.

2. Cost Effectiveness

Please include an estimate of total costs for and any income from the project. Include all administrative and overhead costs in your estimate. List all funding sources, including if a subsidy would be required from PCE, and if you plan to leverage any other funding sources such as external grant programs. If costs are to be shared, please be clear about breakdown of costs to each entity. If there is a projected revenue stream, from the project, please describe how this would be generated and whom it would benefit.

How is cost effectiveness being addressed? Specify the primary cost effectiveness driver for evaluation. Analysis should include impacts over ten years or more to determine long-term impact of proposed projects.

Please submit a clearly labeled spreadsheet calculating the cost effectiveness of the project using the most appropriate measure for your project from the list below. Please clearly state all assumptions and use PCE data sources.

- \$ per ton of GHG saved per year
- \$ per kWh saved per year
- \$ per potential customer served per year
- Tonnes of CO2 avoided/\$ spent

Note some programs may not necessarily be cost effective but provide a general common good that addresses other PCE goals.

3. Number of customers served

How many PCE customers can participate in the program given your stated budget? If applicable, quantify customers by rate class. for example, residential, small businesses, large commercial, or agricultural.

If this is a pilot, how many PCE customers would be served during the pilot? How many could potentially be served during a full-scale implementation?

4. Geographic Diversity in San Mateo County Communities Served

Using your numbers of customers served, please list each city and/or unincorporated community in San Mateo County where eligible customers are located. If your project favors one geographic area over others, please briefly explain why. Preference will be given for projects that serve a wide geographic area of the county, unless the project is focused specifically on disadvantaged communities (see criteria #9 below).

5. Supports PCE's Workforce Policy

All projects should comply with the PCE workforce policy, available on the [PCE website](#). Please provide a brief narrative description of how your proposed program meets required standards listed below for any relevant program type.

Please attach any documentation which supports the claims made within the narrative description. Examples include project labor agreements, memorandums of understanding, contracts with businesses within PCE's service territory, etc.

PPA-Based Programs

Contractors and subcontractors must demonstrate:

1. Employment of workers or use of businesses in PCE service territory (or "local" as defined).
2. Utilization of multi-trade project labor agreements.
3. Employment of properly licensed contractors and CA-certified electricians.
4. Utilization of local apprentices (graduates of local pre-apprenticeship programs).
5. Pay of prevailing wages for each craft, classification and type of work performed.
6. Display of posters at job-site regarding prevailing wage requirements.
7. Compliance with workers comp requirements.
8. Utilization of California approved apprenticeship programs.

PCE-Owned Generation-Based Programs

1. Must use local businesses, union labor, and apprenticeship programs through multi-trade agreements and/or multiple agreements for work
2. Construction contractors and subcontractors performing work must:
 - a. Use a combination of local labor, union labor and apprenticeship programs.
 - b. Follow fair compensation practices including proper assignment of work to crafts that traditionally perform the work.
 - c. Employ on its regular workforce at least 50% of all “journey level” employees that are graduates of CA-approved apprenticeship programs.
 - d. Employ 20% of its employees that are enrolled and participating in a CA-approved apprenticeship program.
 - i. Apprenticeship programs must be approved by the Department of Apprenticeship Standards.

Feed-in-Tariff-Based Programs

1. Construction contractors or subcontractors must make best efforts to utilize local businesses, union labor, multi-trade agreements, apprenticeship programs, and fair compensation practices including proper assignment of work to crafts that traditionally perform the work.

Other Programs

1. Contractors or subcontractors must make best efforts to utilize local businesses, union labor, multi-trade agreements, apprenticeship programs, and fair compensation practices including proper assignment of work to crafts that traditionally perform the work.

6. Helps PCE Match Supply to Load

In the future, PCE may face over-generation of electricity through the middle of the day on weekdays and have excess energy supply during these times. We are looking for programs that may help solve this imbalance. Some examples of how a program might solve this issue include consuming electricity during times of excess supply, generating electricity at times when demand is high, storing electricity during times of excess supply, and creating pricing signals to encourage this behavior. PCE’s Integrated Resource Plan, which can be found on our website, provides additional details on our current load and supply resources.

Briefly describe if and how your proposed project would work to address these concerns.

7. PCE Implementation Requirements

Please provide the following information:

- a. How many hours or months of PCE staff time do you estimate would be needed to implement this project? Please break this down by staff function (for example, procurement, programs, marketing, legal, and administrative staff).
- b. How does the project minimize administrative burdens on PCE?
- c. Does this project require development of new internal systems at PCE?
- d. Does this project require significant external policy changes to implement?

8. Contributes to Procurement Goals: Creating 20 MW of New Local Power by 2025, 100% GHG-Free Power for 2021, 100% Renewable Energy by 2025

A PCE local power project is defined as a carbon-free, renewable energy project. The 20 MW goal is a minimum, and enough projects should be built to at least meet this goal, and preferably exceed it. If you are proposing such a project, please briefly describe:

- The project, its location, size and design
- Ownership and contractors
- Interconnection to the local distribution grid (PG&E)
- Permits and other related requirements, and their current status
- Schedule and milestones for completion of facilities and start of operation
- How it helps meet PCE's regulatory requirements (storage mandate, long-term contracting requirements, RPS requirements)

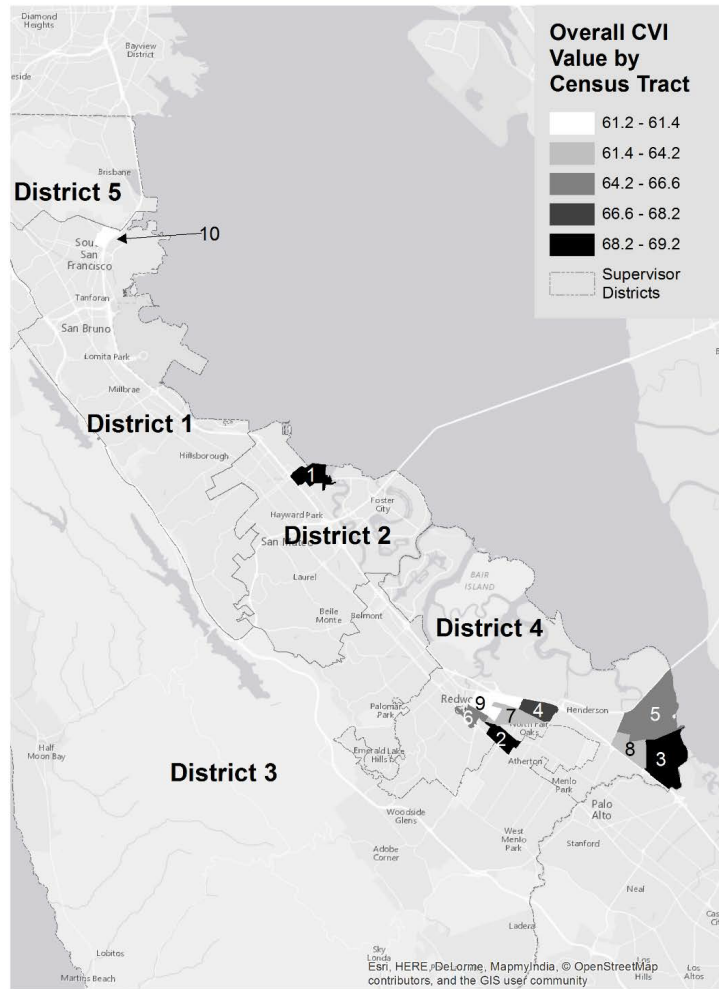
Please also ensure project and energy costs are adequately described under the cost effectiveness criteria, and the project complies with PCE's workforce policy as described under the workforce criteria.

9. Benefits Disadvantaged Communities (DACs)

San Mateo County (SMC) has developed a screening tool to identify vulnerable communities within the County. The [Community Vulnerability Index](#) (CVI) provides a granular view of vulnerable populations in SMC by looking at health insurance coverage, educational attainment, supplemental security income, gross rent as a percentage of income, poverty, unemployment, and disability status.^v Overall results point to 10 areas within the County as especially burdened (see map below).^{vi}

To receive DAC designation, the proposed program should target populations residing in the top 10 most impacted districts identified by the CVI, and/or a very targeted disadvantaged community that is too small or dispersed to show up in the index, for example farmworkers along the San Mateo Coast. If your program proposes to serve a community not included in the CVI, please include population statistics indicating why this group may qualify as a disadvantaged community. For programs seeking state funding, you may refer to the [California EnviroScreen](#) instead.^{vii}

Top 10 Most Vulnerable 2014 Estimates



Census Tract	Board District	City	Value
1	District 2	San Mateo	69.2
2	District 4	North Fair Oaks	69.1
3	District 4	East Palo Alto	69.1
4	District 4	Redwood City	68.2
5	District 4	East Palo Alto	66.6
6	District 4	Redwood City	64.3
7	District 4	North Fair Oaks	64.2
8	District 4	East Palo Alto	62.7
9	District 4	North Fair Oaks	61.4
10	District 1	South San Francisco	61.2

Please provide a brief narrative description of how your proposed program will benefit qualifying disadvantaged community members. Examples of focused benefits include:

- Electric energy bill savings for CARE/FERA/low-income housing program participants
- Reduction in air pollutants within qualifying census tract/district
- Anticipated co-benefits with landlord/housing agency for tenants who are also CARE/FERA/low-income housing program participants

- d) Increase in health/safety/comfort of vulnerable residents of relevant census tract or districts

Please be as specific as possible and please demonstrate targeted focus on vulnerable residents of qualifying census tracts/districts. Note that programs that benefit only higher-income residents or major corporations located within DAC census tracts will not meet this criterion.

10. Innovative, scalable, and replicable

San Mateo county has a history of being at the forefront of innovation, and PCE's customer base includes some of the most innovative companies in the nation. PCE should leverage that spirit, along with its unique position in the energy market as a Load Serving Entity whose programs are not state regulated, to develop and offer cutting edge programs. Further, to avoid investing in one-off opportunities and limiting market impact, it is preferred that PCE's programs be both scalable and replicable.

Please provide the following information in a brief narrative:

- a) Has this program ever been implemented previously?
- b) Has this program been implemented by your organization, or would this represent the first instance of program implementation?
- c) Have other organizations implemented similar programs? If so, please describe the program, where and when implemented, the scale of implementation, and summarize results.
- d) Please articulate how this program could be expanded over time throughout PCE's service area. Are there opportunities for this program to be adopted by other CCAs, agencies or utilities?

11. Supports Community Resilience

Climate change science predicts increasingly severe weather. In California, this includes record storms, heat waves, and wildfires that can cause largescale blackouts on California's electrical grid. PCE may be able to contribute to the community resilience of San Mateo County by increasing the reliability of electricity service for key institutions and populations that are especially vulnerable to the loss of electrical power. Examples include:

- Emergency response centers such as fire and police stations and local government buildings
- Health and social services such as hospitals, clinics, skilled nursing facilities, schools, senior facilities, cooling centers, emergency shelters, and secure residential institutions (prisons, mental health institutions) where residents are not able to evacuate on their own
- Homes of individual customers who rely on electricity for life-saving medical devices

such those who qualify for PG&E Medical Baseline discounts, and elderly or chronically ill customers whose health is more sensitive to extreme temperatures

An example of a potential program that increases the resilience of these customers may include locating battery storage where it could supplement or replace diesel generators as a source of emergency backup power for these buildings.

Please describe in brief narrative if your project may play a role in safeguarding the operation of key institutions or the health of vulnerable San Mateo County residents described above in the case of emergency power outages.

12. Fills a Gap in Current Utility Offerings

PCE customers are still eligible for PG&E and other state-funded programs such as rebates on efficient appliances and electric cars. This also includes energy efficiency programs offered in San Mateo County through the County Office of Sustainability. PCE may be able to leverage these existing programs to build on or complement them in our service territory. These programs do face regulatory challenges in implementing certain kinds of programs such as incentivizing fuel switching (for example, from gas to electric hot water heaters). PCE's local program offerings may be most effective if, instead of duplicating existing utility offerings, they complement or fill a gap in programs already available to our customers.

Please describe in a brief narrative:

- a) How does this program add to or enhance existing utility offerings? What programs specifically?
- b) How does this program address a current gap in existing program offerings?

ⁱ More details about MCE's local programs are posted at: <https://www.mcecleanenergy.org/local-programs/>

ⁱⁱ More details about Sonoma Clean Power's Drive EverGreen program are posted at: <https://sonomacleanpower.org/driveevergreendetailsandlimitationsenglish>

ⁱⁱⁱ More details on Lancaster Choice Energy's partnership to electric local bus fleet posted at: <http://www.avta.com/index.aspx?page=482>

^{iv} Closson, Michael and Ted Howard. "Peninsula Clean Energy and Local Programs" background document included in PCE Citizens Advisory Committee agenda packet for August 2017 meeting. See <https://www.peninsulacleanenergy.com/wp-content/uploads/2015/08/PCE-CAC-20170817-Agenda-Packet.pdf>.

^v For more information on the San Mateo County Community Vulnerability Index, please see:
<http://cmo.smcgov.org/cvi>

^{vi} Map of top disadvantaged communities in San Mateo County is posted online at:
<http://cmo.smcgov.org/sites/cmo.smcgov.org/files/Attachment%203.PDF>

^{vii} For more information on CalEnviroScreen, see <https://oehha.ca.gov/calenviroscreen>



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: September 15, 2017

BOARD MEETING DATE: September 23, 2017

SPECIAL NOTICE/HEARING: None

VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors

FROM: George Wiltsee, Power Resources

SUBJECT: Draft 2017 Integrated Resource Plan (IRP)

BACKGROUND:

The Power Resources team has drafted PCE's first Integrated Resource Plan (IRP), and is sharing the draft document with the PCE Board of Directors for discussion.

DISCUSSION:

The 2017 IRP documents PCE's resource planning policies and objectives over the ten-year planning period from 2017 through 2026. Approximately once a year, PCE staff will update the IRP and submit it for approval to PCE's Board. Such approval is made in consideration of applicable regulatory requirements, PCE policy objectives, energy market conditions, anticipated changes in electricity sales, ongoing procurement activities, and any other considerations that may affect how PCE carries out its resource planning.

PCE is closely tracking the CPUC proceeding on integrated resource planning, and may be subject to new regulatory requirements that affect PCE's IRP process in the future.

The IRP has four primary purposes:

- (1) quantify resource needs over a ten-year planning period;
- (2) prioritize resource preferences and articulate relevant energy procurement policies;
- (3) provide guidance to the energy procurement processes undertaken by PCE staff; and
- (4) communicate PCE's resource planning policies, objectives and planning framework to the public and key stakeholder groups.

In practical terms, the IRP specifies the energy procurement policies adopted by PCE's Board and serves as a guideline to PCE staff regarding day-to-day energy planning and procurement activities.



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: September 19, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jan Pepper, Chief Executive Officer, Peninsula Clean Energy
SUBJECT: PCE Organization and Staffing Plan

BACKGROUND:

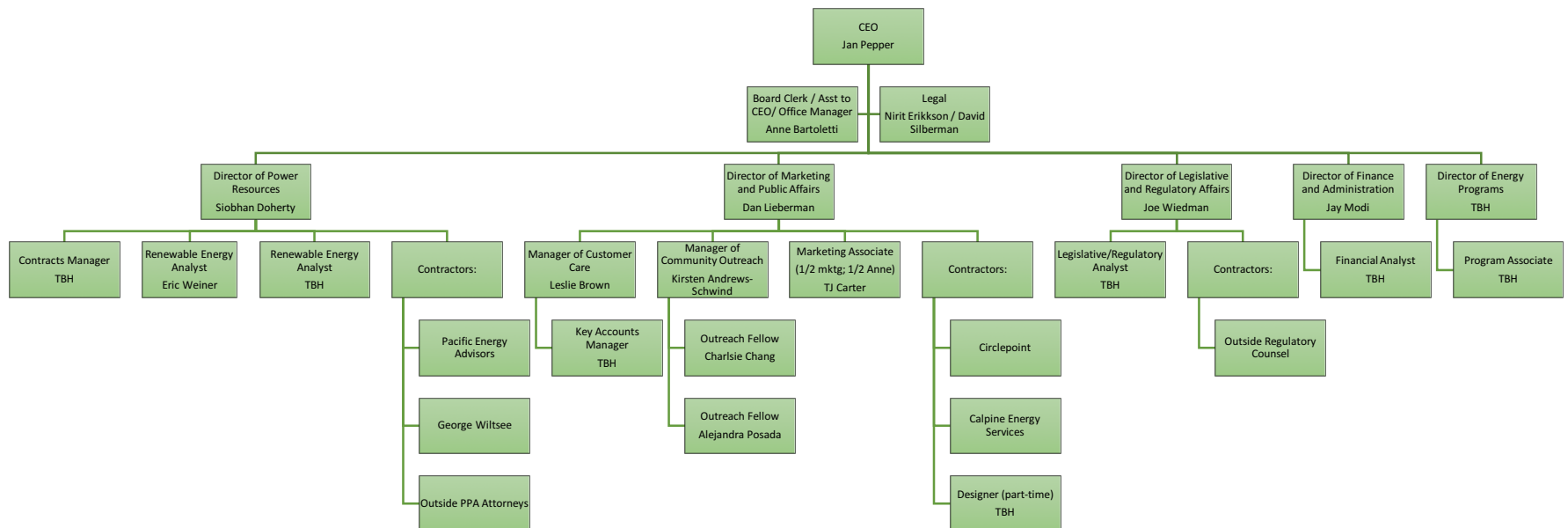
In the summer of 2016, a preliminary organization and staffing plan was developed based on the experiences of other CCAs. With PCE's full rollout to all of our customers, the development of the organization has evolved to represent the expected future needs.

DISCUSSION:

The attached organization chart outlines the proposed changes and growth of the PCE organization over the next year. There are five key departments: 1) Power Resources, 2) Marketing and Public Affairs, 3) Legislative and Regulatory Affairs, 4) Finance and Administration, and 5) Energy Programs. Additional organizational support is provided by the Board Clerk/Assistant to the CEO/Office Manager and Legal from the County Counsel's office.

As of mid-October, PCE will have 12 full-time staff. It is expected that an additional 7 full-time staff will be hired over the course of the fiscal year.

PENINSULA CLEAN ENERGY – ORGANIZATION/STAFFING PLAN FOR FY2018



PROPOSED: SEPT 23, 2017



**REGULAR MEETING of the Board of Directors of the
Peninsula Clean Energy Authority (PCEA)
Thursday, August 24, 2017
MINUTES**

San Mateo County Office of Education, Corte Madera Room
101 Twin Dolphin Drive, Redwood City, CA 94065
6:30pm

CALL TO ORDER

Meeting was called to order at 6:34 pm.

ROLL CALL

Present: Dave Pine, County of San Mateo, *Chair*
Carole Groom, County of San Mateo
Jeff Aalfs, Town of Portola Valley, *Vice Chair*
Rick DeGolia, Town of Atherton
Greg Scoles, City of Belmont
Lori Liu, City of Brisbane
Donna Colson, City of Burlingame
Rae P. Gonzalez, Town of Colma
Glenn Sylvester, City of Daly City
Carlos Romero, City of East Palo Alto
Harvey Rarback, City of Half Moon Bay
Elizabeth Cullinan, Town of Hillsborough
Wayne Lee, City of Millbrae
Deirdre Martin, City of Pacifica
Marty Medina, City of San Bruno
Cameron Johnson, City of San Carlos
Rick Bonilla, City of San Mateo
Pradeep Gupta, City of South San Francisco
Daniel Yost, Town of Woodside

Absent: City of Foster City
City of Menlo Park
City of Redwood City

Staff: Jan Pepper, Chief Executive Officer
George Wiltsee, Director of Power Resources

Siobhan Doherty, Manager of Contracts
Joseph Wiedman, Senior Regulatory/Legislative Analyst
Leslie Brown, Manager of Customer Care
Eric Wiener, Renewable Energy Analyst
David Silberman, General Counsel
Anne Bartoletti, Board Clerk/Executive Assistant to the CEO

A quorum was established.

PUBLIC COMMENT:

No public comment

ACTION TO SET THE AGENDA AND APPROVE CONSENT AGENDA ITEMS

Motion Made / Seconded: Bonilla / Gupta

Motion passed 14-0 (Absent: County of San Mateo, Burlingame, Foster City, Menlo Park, Redwood City, San Carlos. Abstained: Cullinan, Martin)

REGULAR AGENDA

1. CHAIR REPORT

Dave Pine—Chair—reported that Pradeep Gupta presented technical details on the energy industry yesterday and that Pradeep will be doing more presentations in the future. Dave announced that CalCCA (California Community Choice Association) will hold its annual meeting in Riverside on October 4, 2017.

2. CEO REPORT

Jan Pepper—Chief Executive Officer—reported that the CalCCA conference has limited registration, and its focus this year is on newly forming CCAs (Community Choice Aggregators). Jan announced that PCE's Director of Finance and Administration, Jay Modi, has been hired and will likely start September 23rd, and that PCE is about to hire a Marketing Associate and two Outreach Fellows. She reported that the Regulatory Analyst position will be open until August 31st.

Jan announced that PCE moved to new office space on August 1st at 2075 Woodside in Redwood City, and that Pisenti & Brinker was selected as PCE's auditor for Fiscal Years 2016, 2017, 2018, and 2019. Jan announced that the Board Retreat will take place relatively soon at PCE's new office, and that this meeting will replace the Board's regular meeting that was scheduled for September 28th.

3. CITIZENS ADVISORY COMMITTEE REPORT

Michael Closson—Chair—reported that at the last meeting, the Citizens Advisory Committee (CAC) received a report from Rachael Londer from the County Office of Sustainability about energy programs, and discussed a brief on local programs that he and Ted Howard developed.

4. MARKETING AND OUTREACH REPORT

Leslie Brown—Manager of Customer Care—reported on marketing activities outlined in the marketing memo in the agenda packet. Rick Bonilla announced that the City of San Mateo will Opt-Up to ECO100, and Harvey Rarback reported that the City of Half Moon Bay will discuss opting up on September 5th.

5. DIRECT PCE STAFF TO PURSUE GREEN-E CERTIFICATION

Leslie Brown reported that PCE would like to seek Green-e certification for Eco100 customers because it is important to our larger customers, and that this certification is like an “organic label” for energy.

Motion Made / Seconded: Bonilla / Lee

Motion passed unanimously 19-0 (Absent: Foster City, Menlo Park, Redwood City.)

6. DIRECT PCE STAFF TO PURSUE PARTICIPATION IN THE CLIMATE REGISTRY AS MEANS OF BETTER SERVING OUR LARGE CUSTOMERS WHO USE A GREENHOUSE GAS ACCOUNTING PROTOCOL

Leslie Brown reported that participation in the Climate Registry certifies our GHG (greenhouse gas) protocol, and ensures that PCE has an outside third-party certification of our protocol.

Motion Made / Seconded: Yost / Lee

Motion passed unanimously 19-0 (Absent: Foster City, Menlo Park, Redwood City.)

7. ADOPT THE SCHEDULE “S” STANDBY RATE

Leslie Brown reported that Schedule “S” is a standby rate that would apply to a select group of customers that have their own generation capability and only need a utility as a standby back-up. She explained that these customers are not eligible for Net Metering, and that they currently receive a Schedule “S” rate from PG&E. Discussion centered around capacity and Resource Adequacy. David Silberman reported that Pacific Energy Advisors (PEA) advised that Resource Adequacy (RA) would need to be covered for Schedule “S” standby customers. Jan Pepper reported that PEA and PCE staff pursued a Schedule “S” standby rate because a Schedule “S” customer wants cleaner energy and wants to be a PCE customer.

Motion Made / Seconded: Colson / Groom

Motion passed unanimously 19-0 (Absent: Foster City, Menlo Park, Redwood City.)

8. REGULATORY AND LEGISLATIVE REPORT

Joseph Wiedman—Senior Regulatory and Legislative Analyst—reported on regulatory and legislative activities outlined in the regulatory and legislative memo in the agenda packet, including an August 23rd Senate Energy, Utilities and Communications hearing on CCA status and growth.

9. AUTHORIZE THE CHIEF EXECUTIVE OFFICER TO EXECUTE A POWER PURCHASE AGREEMENT (PPA) FOR RENEWABLE SUPPLY WITH RE MUSTANG TWO WHIRLAWAY LLC, AND ANY NECESSARY ANCILLARY DOCUMENTS. POWER DELIVERY TERM: DECEMBER 31, 2019 TO DECEMBER 30, 2034, IN AN AMOUNT NOT TO EXCEED \$220,000,000

George Wiltsee—Director of Power Resources—introduced representatives from Canadian Solar and Recurrent Energy, a subsidiary of Canadian Solar, who fielded questions about the Mustang Two project.

PUBLIC COMMENT:

Ted Howard, PCE Citizens Advisory Committee

Motion Made / Seconded: Lee / Gupta

Motion passed unanimously 18-0 (Absent: Foster City, Menlo Park, Redwood City. Abstained: Yost)

10. APPROVE RESOLUTION DELEGATING AUTHORITY TO THE CHIEF EXECUTIVE OFFICER TO ATTEST TO THE ACCURACY OF THE INFORMATION PROVIDED IN PCE'S 2016 POWER CONTENT LABEL

Siobhan Doherty—Manager of Contracts—reported that the power content label is a requirement of the CPUC (California Public Utilities Commission) to disclose PCE's sources of energy. She reported that PCE exceeded renewable energy projections in 2016 by 8%.

Motion Made / Seconded: Sylvester / Yost

Motion passed unanimously 19-0 (Absent: Foster City, Menlo Park, Redwood City.)

11. REVIEW DRAFT INTEGRATED RESOURCE PLAN (IRP)

George Wiltsee—Director of Power Resources—presented an updated schedule for the IRP, reviewed the Executive Summary and Policies relating to PCE’s power resources, and presented estimates of PCE’s 2017 resource mix.

PUBLIC COMMENT:

Mark Roest, SeaWave Battery

12. BOARD MEMBERS’ REPORTS

Pradeep Gupta reported that PCE will be coming to his HOA (Home Owners Association) meeting next week.

ADJOURNMENT

Meeting was adjourned at 8:37 pm



PENINSULA CLEAN ENERGY
JPA Board Correspondence

DATE: September 14, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Present

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jan Pepper, Chief Executive Officer
SUBJECT: Resource Adequacy (Calpine Energy Services, L.P.)

RECOMMENDATION:

Approve Resolution to Authorize the Chief Executive Officer to execute a WSPP (Western Systems Power Pool) Confirmation Letter for Purchase of Resource Adequacy from Calpine Energy Services, L.P. Delivery Term: July 2018 through August 2018, in an amount not to exceed \$2,000,000 (Action)

BACKGROUND:

The CPUC has explained Resource Adequacy as follows:

The CPUC adopted a Resource Adequacy (RA) policy framework (PU Code section 380) in 2004 to in order to ensure the reliability of electric service in California. The CPUC established RA obligations applicable to all Load Serving Entities (LSEs) within the CPUC's jurisdiction, including investor owned utilities (IOUs), energy service providers (ESPs), and community choice aggregators (CCAs). The Commission's RA policy framework – implemented as the RA program -- guides resource procurement and promotes infrastructure investment by requiring that LSEs procure capacity so that capacity is available to the CAISO when and where needed. The CPUC's RA program now contains three distinct requirements: System RA requirements (effective June 1, 2006), Local RA requirements (effective January 1, 2007) and Flexible RA requirements (effective January 1, 2015). System requirements are determined based on each LSE's CEC adjusted forecast plus a 15% planning reserve margin. Local requirements

are determined based on an annual CAISO study using a 1-10 weather year and an N-1-1 contingency. Flexible Requirements are based on an annual CAISO study that currently looks at the largest three hour ramp for each month needed to run the system reliably. There are two types of filings; Annual filings (filed on or around October 31st) and monthly filings (filed 45 calendar days prior to the compliance month).

For the annual filings, LSEs are required to make an annual System, Local, and Flexible compliance showing for the coming year. For the System showing, LSEs are required to demonstrate that they have procured 90% of their System RA obligation for the five summer months the coming compliance year. Additionally each LSE must demonstrate that they meet 90% of its Flexible requirements and 100% of its local requirements for each month of the coming compliance year. For the monthly filings LSEs must demonstrate they have procured 100% of their monthly System and Flexible RA obligation. Additionally, on a monthly basis from May through December, LSEs must demonstrate they have met their revised (due to load migration) local obligation.

This is a regulatory requirement. PCEA is not purchasing actual energy. It is paying to ensure that there is enough generation on the grid to ensure reliability. Further, because the regulatory requirements evolve over time, PCEA is frequently having to go to market to purchase RA to ensure the regulatory requirements are met and PCEA receives the most competitive prices possible.

DISCUSSION:

PCE, working with its consultant PEA, solicited proposals to supply RA a portion of its generic North System RA for its 2018 needs (January-December). Proposals were received from three different suppliers.

Calpine Energy Services, L.P. offered a competitive response to provide RA to meet a portion of PCE's generic North System RA requirements for July through August 2018.

The Confirmation Letter for this transaction is in substantially the same form as others negotiated for RA. Consistent with PCE policy, the confirmation includes an exclusion that no coal resources will be used to provide the RA or replacement RA.

The Board is being asked to approve execution of a Confirmation Letter with Calpine Energy Services, L.P., in a form approved by General Counsel.

RESOLUTION NO. _____

**PENINSULA CLEAN ENERGY AUTHORITY, COUNTY OF SAN MATEO, STATE OF
CALIFORNIA**

*** * * * ***

**RESOLUTION DELEGATING AUTHORITY TO THE CHIEF EXECUTIVE OFFICER
TO EXECUTE A CONFIRMATION LETTER WITH CALPINE ENERGY SERVICES,
L.P. WITH TERMS CONSISTENT WITH THOSE PRESENTED, IN A FORM
APPROVED BY THE GENERAL COUNSEL AND FOR A DELIVERY TERM OF JULY
1 THROUGH AUGUST 31, 2018, IN AN AMOUNT NOT TO EXCEED \$2,000,000;**

RESOLVED, by the Peninsula Clean Energy Authority of the County of San
Mateo, State of California, that

WHEREAS, the Peninsula Clean Energy Authority (“Peninsula Clean Energy” or
“PCEA”) was formed on February 29, 2016; and

WHEREAS, launch of service for Phase I occurred in October 2016, and launch
of service for Phase II occurred in April 2017; and

WHEREAS, Peninsula Clean Energy has ongoing regulatory commitments to
purchase Resource Adequacy (“RA”); and

WHEREAS, in September 2017, consistent with its mission of reducing
greenhouse gas emissions and offering customer choice at competitive rates, Peninsula

Clean Energy administered a competitive process to select one or more RA supply contractors; and

WHEREAS, one of the providers selected by Peninsula Clean Energy through this competitive process is **CALPINE ENERGY SERVICES, L.P.** (“Contractor”), based on its desirable offering of products, pricing, and terms; and

WHEREAS, staff is presenting to the Board for its review the negotiated Confirmation Letter, reference to which should be made for further particulars; and

WHEREAS, the Board wishes to delegate to the Chief Executive Officer authority to execute the aforementioned Confirmation Letter for said purchase of RA from the Contractor.

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED that the Board delegates authority to the Chief Executive Officer to execute the Confirmation Letter with the Contractor with terms consistent with those presented, in a form approved by the General Counsel and for a delivery term of July 1 through August 31, 2018, in an amount not to exceed \$2,000,000.

* * * * *

[CCO-113499]

**MASTER POWER PURCHASE AND SALE AGREEMENT
CONFIRMATION LETTER
BETWEEN
CALPINE ENERGY SERVICES, L.P.
AND
PENINSULA CLEAN ENERGY AUTHORITY**

This confirmation letter ("Confirmation") confirms the transaction ("Transaction") between **Calpine Energy Services, L.P.**, a Delaware limited partnership ("Seller") and **Peninsula Clean Energy Authority**, a California joint powers authority ("Buyer"), each individually a "Party" and together the "Parties", dated as of September 19, 2017 (the "Confirmation Effective Date"), in which Seller agrees to provide to Buyer the right to the Product, as such term is defined in Article 3 of this Confirmation. This Transaction is governed by the Western Systems Power Pool Agreement (Effective Version: June 26, 2017), excluding the Schedules thereto, as amended by this Confirmation, (the "Master Agreement"). The Master Agreement and this Confirmation shall be collectively referred to herein as the "Agreement". Capitalized terms used but not otherwise defined in this Confirmation have the meanings ascribed to them in the Master Agreement or the Tariff (as defined herein). To the extent that this Confirmation is inconsistent with any provision of the Master Agreement, this Confirmation shall control and shall govern the rights and obligations of the Parties in connection with the Transaction.

**1.
DEFINITIONS**

- 1.1** "Alternate Capacity" means any replacement Product which Seller has elected to provide to Buyer in accordance with the terms of Section 4.5 (and subject to the restrictions specified therein).
- 1.2** "Applicable Laws" means (i) any law, rule, regulation, order, decision, judgment, or other legal or regulatory determination by any Governmental Body having jurisdiction over one or both Parties or this Transaction, and (ii) the Tariff.
- 1.3** "Availability Incentive Payments" has the meaning specified in the Tariff.
- 1.4** "Availability Standards" means the availability standards set forth in Section 40.9 of the Tariff.
- 1.5** "Buyer" has the meaning specified in the introductory paragraph hereof.
- 1.6** "CAISO" means the California Independent System Operator Corporation or its successor.
- 1.7** "Capacity Replacement Price" means (a) the price actually paid for any Replacement Capacity purchased by Buyer pursuant to Section 4.7 hereof, plus costs reasonably incurred by Buyer purchasing such Replacement Capacity or (b) the market price for any Designated RA Capacity not provided at the Delivery Point and for which Buyer does not purchase Replacement Capacity. The Buyer shall determine such market prices in a commercially reasonable manner. For purposes of the Master Agreement, "Capacity Replacement Price" shall be deemed to be the "Replacement Price."
- 1.8** "Confirmation" has the meaning specified in the introductory paragraph hereof.
- 1.9** "Confirmation Effective Date" has the meaning specified in the introductory paragraph hereof.
- 1.10** "Contingent Firm RA Product" has the meaning specified in Section 3.4 hereof.
- 1.11** "Contract Price" means, for any Monthly Delivery Period, the price specified under the RA Capacity Price Table in Section 4.9.

- 1.12** "Contract Quantity" means, with respect to each day of each Showing Month of the Delivery Period, the amount of Product (in MWs) set forth in table in Section 4.3 which Seller has agreed to provide to Buyer from the Unit for such Showing Month.
- 1.13** "CPUC Decisions" means CPUC Decisions 04-01-050, 04-10-035, 05-10-042, 06-06-064, 06-07-031, 07-06-029, 08-06-031, 09-06-028, 10-06-036, 11-06-022, 12-06-025, 13-06-024, 14-06-050, 15-06-063 and 16-06-045, and subsequent decisions related to resource adequacy issued from time to time by the CPUC.
- 1.14** "CPUC Filing Guide" means the annual document issued by the CPUC which sets forth the guidelines, requirements and instructions for LSE's to demonstrate compliance with the CPUC's resource adequacy program.
- 1.15** "Delivery Period" has the meaning specified in Section 4.1 hereof.
- 1.16** "Delivery Point" has the meaning specified in Section 4.2 hereof.
- 1.17** "Designated RA Capacity" shall be equal to, with respect to any particular Showing Month of the Delivery Period, the Contract Quantity of Product for such Showing Month including the amount of Contract Quantity that Seller has elected to provide Alternate Capacity with respect to in accordance with the terms of this Confirmation, minus any reductions to Contract Quantity specified in Section 4.4 with respect to which Seller has not elected to provide Alternate Capacity.
- 1.18** "Effective Flexible Capacity" means the flexible capacity of a resource that can be counted towards an LSE's FCR obligation, as identified from time to time by the Tariff, the CPUC Decisions, LRA, or other Governmental Body having jurisdiction.
- 1.19** "FCR Attributes" means, with respect to a Unit, any and all FCR attributes, consistent with the operational limitations and physical characteristics of such Unit, that can be counted toward an LSE's FCR, as they are identified from time to time by the CPUC Decisions, the Tariff, an LRA, or other Governmental Body having jurisdiction.
- 1.20** "FCR Showings" means the FCR compliance showings (or similar or successor showings) an LSE is required to make to the CPUC (and, to the extent authorized by the CPUC, to the CAISO) pursuant to the CPUC Decisions and the Tariff, or to an LRA having jurisdiction over the LSE.
- 1.21** "Firm RA Product" has the meaning specified in the Section 3.3 hereof.
- 1.22** "Flexible Capacity Requirements" or "FCR" means the flexible capacity requirements established for LSEs by the CPUC pursuant to the CPUC Decisions, or by an LRA or other Governmental Body having jurisdiction.
- 1.23** "Flexible RA Product" has the meaning specified in the Section 3.2 hereof.
- 1.24** "GADS" means the Generating Availability Data System or its successor.
- 1.25** "Generic RA Product" means Designated RA Capacity consisting of RAR Attributes and, if applicable, LAR Attributes, which does not include FCR Attributes.
- 1.26** "Governmental Body" means (i) any federal, state, local, municipal or other government; (ii) any governmental, regulatory or administrative agency, commission or other authority lawfully exercising or entitled to exercise any administrative, executive, judicial, legislative, police, regulatory or taxing authority or power; and (iii) any court or governmental tribunal.

- 1.27** "LAR" means local area reliability, which is any program of localized resource adequacy requirements established for jurisdictional LSEs by the CPUC pursuant to the CPUC Decisions, or by another LRA having jurisdiction over the LSE, as implemented in the Tariff. LAR may also be known as local resource adequacy, local RAR, or local capacity requirement in other regulatory proceedings or legislative actions.
- 1.28** "LAR Attributes" means, with respect to a Unit, any and all resource adequacy attributes (or other locational attributes related to system reliability) consistent with the operational limitations and physical characteristics of such Unit, as they are identified as of the Confirmation Effective Date by the CPUC Decisions, CAISO, LRA, or other Governmental Body having jurisdiction, associated with the physical location or point of electrical interconnection of the Unit within the CAISO Control Area, that can be counted toward LAR, but exclusive of any RAR Attributes which are not associated with where in the CAISO Control Area the Unit is physically located or electrically interconnected. For clarity, it should be understood that if the CAISO, LRA, or other Governmental Body, defines new or re-defines existing local areas, then such change will not result in a change in payments made pursuant to this Transaction.
- 1.29** "LAR Showings" means the LAR compliance showings (or similar or successor showings) an LSE is required to make to the CPUC (and, to the extent authorized by the CPUC, to the CAISO) pursuant to the CPUC Decisions, or to an LRA having jurisdiction over the LSE.
- 1.30** "LRA" has the meaning set forth in the Tariff.
- 1.31** "LSE" means load-serving entity. LSEs may be an investor-owned utility, an electric service provider, a community aggregator or community choice aggregator, or a municipality serving load in the CAISO Control Area (excluding exports).
- 1.32** "Master Agreement" has the meaning specified in the introductory paragraph hereof.
- 1.33** "Monthly Delivery Period" means each calendar month during the Delivery Period and shall correspond to each Showing Month.
- 1.34** "Monthly RA Capacity Payment" has the meaning specified in Section 4.9 hereof.
- 1.35** "NERC" means the North American Electric Reliability Council, or its successor.
- 1.36** "NERC/GADS Protocols" means the GADS protocols established by NERC, as may be updated from time to time.
- 1.37** "Net Qualifying Capacity" has the meaning set forth in the Tariff.
- 1.38** "Non-Availability Charges" has the meaning set forth in the Tariff.
- 1.39** "Outage" means disconnection, separation, or reduction in the capacity of any Unit that relieves all or part of the offer obligations of the Unit consistent with the Tariff. For the avoidance of doubt, Outage shall be deemed to include Planned Outage (defined below).
- 1.40** "Planned Outage" means, subject to and as further described in the CPUC Decisions and the Tariff (Planned Outage referred to as "Approved Maintenance Outage" under the Tariff), a CAISO-approved planned or scheduled disconnection, separation or reduction in capacity of the Unit that is conducted for the purposes of carrying out routine repair or maintenance of such Unit, or for the purposes of new construction work for such Unit.
- 1.41** "Product" has the meaning specified in Article 3 hereof.

- 1.42** "RA Availability" means, for each Unit, expressed as a percentage, (a) the Unit's Designated RA Capacity for a Monthly Delivery Period, divided by (b) the Contract Quantity, provided that a Unit's RA Availability shall not exceed 1.00.
- 1.43** "RA Capacity" means the qualifying and deliverable capacity of the Unit for RAR, LAR, and FCR purposes for the Delivery Period, as determined by the CAISO, or other Governmental Body authorized to make such determination under Applicable Laws. RA Capacity encompasses the RAR Attributes, LAR Attributes and FCR Attributes of the capacity provided by a Unit, as applicable pursuant to this Confirmation.
- 1.44** "RA Capacity Flat Price" means the price specified in the RA Capacity Flat Price Table in Section 4.9 hereof.
- 1.45** "RAR" means the resource adequacy requirements, exclusive of LAR and FCR, established for LSEs by the CPUC pursuant to the CPUC Decisions, or by an LRA or other Governmental Body having jurisdiction.
- 1.46** "RAR Attributes" means, with respect to a Unit, any and all resource adequacy attributes, consistent with the operational limitations and physical characteristics of such Unit, as they are identified as of the Confirmation Effective Date by the Tariff, the CPUC Decisions, LRA, or any Governmental Body having jurisdiction, that can be counted toward RAR, exclusive of any LAR Attributes or FCR Attributes.
- 1.47** "RAR Showings" means the RAR compliance showings (or similar or successor showings) an LSE is required to make to the CPUC (and/or, to the extent authorized by the CPUC, to the CAISO), pursuant to the Tariff, the CPUC Decisions or LRA having jurisdiction.
- 1.48** "Replacement Capacity" has the meaning specified in Section 4.7 hereof.
- 1.49** "Replacement Unit" means a generating unit meeting the requirements specified in Section 4.5 that does not utilize coal or coal materials as a source of fuel.
- 1.50** "Resold Product" has the meaning specified in Section 9 hereof.
- 1.51** "Resource Category" shall be as described in the CPUC Filing Guide, as such may be modified, amended, supplemented or updated from time to time.
- 1.52** "Scheduling Coordinator" has the same meaning as in the Tariff.
- 1.53** "Seller" has the meaning specified in the introductory paragraph hereof.
- 1.54** "Shortfall Capacity" has the meaning specified in Section 4.11 hereof.
- 1.55** "Showing Month" shall be the calendar month during the Delivery Period that is the subject of the RAR Showing, LAR showing, and/or FCR Showing, as applicable, as set forth in the CPUC Decisions. For illustrative purposes only, pursuant to the CPUC Decisions in effect as of the Confirmation Effective Date, the monthly RAR Showing made in June is for the Showing Month of August.
- 1.56** "Supply Plan" means the supply plans, or similar or successor filings, that each Scheduling Coordinator representing RA Capacity submits to the CAISO, LRA, or other Governmental Body, pursuant to Applicable Laws, in order for that RA Capacity to count for its RAR Attributes, LAR Attributes, and/or FCR Attributes.

- 1.57** "Tariff" means the tariff and protocol provisions of the CAISO, as amended or supplemented from time to time.
- 1.58** "Transaction" has the meaning specified in the introductory paragraph hereof.
- 1.59** "Unit" or "Units" shall mean the generation assets described in Article 2 hereof (including any Replacement Units), from which RA Capacity is provided by Seller to Buyer.
- 1.60** "Unit NQC" means the Net Qualifying Capacity set by the CAISO for the applicable Unit. If the CAISO adjusts the Net Qualifying Capacity of a Unit after the Confirmation Effective Date, then for the period in which the adjustment is effective, the Unit NQC shall be deemed the lesser of (i) the Unit NQC as of the Confirmation Effective Date, and (ii) the CAISO-adjusted Net Qualifying Capacity.
- 1.61** "Unit EFC" means the Effective Flexible Capacity set by the CAISO for the applicable Unit. If the CAISO adjusts the Effective Flexible Capacity of a Unit after the Confirmation Effective Date, then for the period in which the adjustment is effective, the Unit EFC shall be deemed the lesser of (i) the Unit EFC as of the Confirmation Effective Date, and (ii) the CAISO-adjusted Effective Flexible Capacity. To the extent the Confirmation Effective Date of this Confirmation occurs prior to the CAISO's setting of a Unit EFC for the applicable Unit, the Unit EFC shall be as agreed to by the Parties and specified in Article 2, and Seller represents that, to the best of its knowledge, this Unit EFC is consistent with the CAISO's methodology for determining Unit EFC as of the Confirmation Effective Date. The above notwithstanding, to the extent the CAISO decides to reduce the applicable Unit EFC, Seller shall not be liable for any costs or damages related to such reduction and the Unit EFC shall be reduced per Section 4.4 of this Confirmation.

2. UNIT INFORMATION

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

3.

RESOURCE ADEQUACY CAPACITY PRODUCT

For each day of each Showing Month that is part of the Delivery Period, Seller shall provide to Buyer, pursuant to the terms of this Confirmation, the Designated RA Capacity in the amount of the Contract Quantity of (i) RAR Attributes and, if applicable, LAR Attributes, and (ii) FCR Attributes, if Flexible RA Product is specified in Section 3.2, and the Contract Quantity shall be either a Firm RA Product or a Contingent Firm RA Product, as specified in either Section 3.3 or 3.4 (the "Product"). The Product does not confer to Buyer any right to the electrical output from the Units, other than the right to include the Designated RA Capacity associated with the Contract Quantity in RAR Showings, LAR Showings, and FCR Showings, as applicable, and any other capacity or resource adequacy markets or proceedings as specified in this Confirmation. Specifically, no energy or ancillary services associated with any Unit is required to be made available to Buyer as part of this Transaction and Buyer shall not be responsible for compensating Seller for Seller's commitments to the CAISO required by this Confirmation. Seller retains the right to sell pursuant to the Tariff any RA Capacity from a Unit that is in excess of that Unit's Contract Quantity and any RAR Attributes, LAR Attributes or FCR Attributes not otherwise transferred, conveyed, or sold to Buyer under this Confirmation.

3.1 RAR and LAR Attributes

Seller shall provide Buyer with the Designated RA Capacity of RAR Attributes and, if applicable, LAR Attributes from each Unit, as measured in MWs, in accordance with the terms and conditions of this Agreement.

☐ [REDACTED]

[REDACTED]

☐ [REDACTED]

[REDACTED]

3.4 ☒ Contingent Firm RA Product

Seller shall provide Buyer with Designated RA Capacity from the Units in the amount of the applicable Contract Quantity; provided, however, that if the Units are not available to provide the full amount of the Contract Quantity, then Seller may provide Buyer with Designated RA Capacity from one or more Replacement Units pursuant to Section 4.5 hereof. If Seller fails to provide Buyer with the Designated RA Capacity, then Seller shall be liable for damages and/or required to indemnify Buyer for penalties or fines pursuant to the terms of Sections 4.7 and 4.8 hereof; provided, however, that Seller shall not be liable for damages and/or required to indemnify Buyer for costs, penalties or fines pursuant to the terms of Sections 4.7 and 4.8 hereof if and only if Seller has provided Buyer with timely notice pursuant to

Section 4.5(a) of Seller's intent not to provide Alternate Capacity in an amount equal to the Contract Quantity of that Showing Month.

4. DELIVERY AND PAYMENT

4.1 Delivery Period

The Delivery Period shall be July 1, 2018 through August 31, 2018, inclusive.

4.2 Delivery Point

The Delivery Point for each Unit shall be the CAISO Control Area, and if applicable, the LAR region in which the Unit is electrically interconnected.

4.3 Contract Quantity

The Contract Quantity of each Unit for each Monthly Delivery Period shall be:

Contract Quantity (MWs)

Month	Contract Quantity (MWs)
2018 July	■
2018 August	■

4.4 Adjustments to Contract Quantity

- (a) Planned Outages: Seller's obligation to deliver the Contract Quantity for each day of each Showing Month may be reduced, at Seller's option, by the amount of any Planned Outage which exists during the applicable Showing Month for the applicable days of such Planned Outage; provided, Seller notifies Buyer, no later than ten (10) Business Days before the relevant deadlines for the corresponding RAR Showings, LAR Showings and/or FCR Showings applicable to that Showing Month, of the amount of Product from the Unit Buyer is permitted to include in Buyer's RAR Showings, LAR Showings, and/or FCR Showings applicable to that month as a result of such Planned Outage.

If Seller is unable to provide the applicable Contract Quantity for a Showing Month because of a Planned Outage of a Unit, Seller has the option, but not the obligation, to provide Product for the affected days of such Showing Month from Replacement Units, provided, Seller provides and identifies such Replacement Units in accordance with Section 4.5, and provided such Replacement Units comply with Section 4.5. If Seller chooses not to provide Product from Replacement Units and a Unit is on a Planned Outage for the applicable Showing Month, then, the Contract Quantity shall be revised in accordance with any applicable adjustments stipulated by the CPUC Filing Guide or CAISO Tariff in effect for the applicable Showing Month in which the Planned Outage occurs.

- (b) Reductions in Unit NQC: If Product is both (i) Generic RA Product, and (ii) Contingent Firm RA Product specified under Section 3.4, then Seller's obligation to deliver the applicable Contract Quantity for any Showing Month may also be reduced if the Unit experiences a reduction in Unit NQC as determined by the CAISO. Seller's potential reduction in Contract Quantity for each remaining Showing Month shall equal the product of (a) the applicable Showing Month Contract Quantity and (b) the total amount (in MW) Unit NQC was reduced since Confirmation Effective Date, divided by (c) Unit NQC as of

the Confirmation Effective Date. If the Unit experiences such a reduction in Unit NQC, then Seller has the option, but not the obligation, to provide the applicable Contract Quantity for such Showing Month from (i) the same Unit, provided the Unit has sufficient remaining and available Product and/or (ii) from Replacement Units meeting the requirements of Section 4.5, provided, that in each case Seller provides and identifies such Replacement Units in accordance with Section 4.5.

- (c) If Product is both (i) Flexible RA Product specified under Section 3.2, and (ii) Contingent Firm RA Product specified under Section 3.4, then Seller's obligation to deliver the applicable Contract Quantity of Product for any Showing Month may also be reduced if the Unit experiences a reduction in Unit EFC as determined by the CAISO. Seller's potential reduction in Contract Quantity for each remaining Showing Month shall equal the product of (a) the applicable Showing Month Contract Quantity and (b) the total amount (in MW) Unit EFC was reduced since Confirmation Effective Date, divided by (c) Unit EFC as of the Confirmation Effective Date. If the Unit experiences such a reduction in Unit EFC, then Seller has the option, but not the obligation, to provide the applicable Contract Quantity for such Showing Month from (i) the same Unit, provided the Unit has sufficient remaining and available Product and/or (ii) from Replacement Units meeting the requirements of Section 4.5 provided, that in each case Seller provides and identifies such Replacement Units in accordance with Section 4.5.

4.5 Alternate Capacity and Replacement Units

- (a) If Seller is unable to provide the full Contract Quantity for any Showing Month for any reason, including, without limitation, due to one of the reasons specified in Section 4.4, or Seller desires to provide the Contract Quantity for any Showing Month from a different generating unit other than the Unit, then Seller may, at no cost to Buyer, provide Buyer with Alternate Capacity from one or more Replacement Units, with the total amount of Product provided to Buyer from the Unit and Replacement Units up to an amount equal to the Contract Quantity for the applicable Showing Month; provided that in each case, Seller shall notify Buyer of its intent (i) not to provide or (ii) to provide Alternative Capacity and identify Replacement Units meeting the requirements of this Confirmation and the Tariff no later than ten (10) Business Days before that Showing Month's relevant deadlines for Buyer's RAR Showings, LAR Showings, and/or FCR Showings, as applicable; [REDACTED]

[REDACTED] If Seller notifies Buyer in writing as to the particular Replacement Units and such Units meet the requirements of this Section 4.5 and the Tariff, then such Replacement Units shall be automatically deemed a Unit for purposes of this Confirmation for that Showing Month. If Seller notifies Buyer in writing of its intent to provide Alternate Capacity pursuant to this Section 4.5, and if due to a prohibition or restriction under the Tariff rules governing the substitution or replacement of the capacity products Buyer is unable to utilize the Alternate Capacity and such prohibition or restriction is not due to any action or inaction of Buyer, then Seller shall reimburse Buyer for any and all costs or charges incurred by Buyer from the CAISO for Buyer's inability to utilize the Alternate Capacity.

- (b) With respect to a Contingent Firm RA Product, if Seller does not provide Alternate Capacity in an amount equal to the Contract Quantity for that Showing Month, or if Buyer is unable to utilize the Alternate Capacity for reasons identified in the last sentence of subpart (a) above, then Buyer may, but shall not be required to, purchase replacement Product. Seller shall not be liable for damages and/or required to indemnify Buyer for penalties or fines pursuant to the terms of Sections 4.7 and 4.8 hereof if Seller notified Buyer, no later than ten (10) Business Days before that Showing Month's relevant deadlines for Buyer's RAR Showings, LAR Showings, and/or FCR Showings, as applicable, of Seller's intent not to provide Alternate Capacity in an amount equal to the

Contract Quantity of that Showing Month, unless Buyer is unable to utilize the Alternate Capacity for reasons identified in the last sentence of subpart (a) above.

4.6 Delivery of Product

Seller shall provide Buyer with the Designated RA Capacity of Product for each day of each Showing Month consistent with the following:

- (a) Seller shall, on a timely basis, submit, or cause the Unit's Scheduling Coordinator to submit, Supply Plans in accordance with the Tariff and any CPUC Decisions to identify and confirm the Designated RA Capacity provided to Buyer for each Showing Month so that the total amount of Designated RA Capacity identified and confirmed for each day of such Showing Month equals the Designated RA Capacity for such day of such Showing Month, unless specifically requested not to do so by the Buyer.
- (b) Seller shall cause the Unit's Scheduling Coordinator to submit written notification to Buyer, no later than ten (10) Business Days before the applicable RAR Showings, LAR Showings and/or FCR Showings deadlines for each Showing Month, that Buyer will be credited with the Designated RA Capacity for such Showing Month in the Unit's Scheduling Coordinator Supply Plan so that the Designated RA Capacity credited equals the Designated RA Capacity for such Showing Month.

4.7 Damages for Failure to Provide Designated RA Capacity

If Seller fails to provide Buyer with the Designated RA Capacity of Product for any Showing Month then the following shall apply:

- (a) Buyer may, but shall not be required to, replace any portion of the Designated RA Capacity not provided by Seller with capacity having equivalent RAR Attributes, LAR Attributes and/or FCR Attributes as the Designated RA Capacity not provided by Seller, provided, that, if any portion of the Designated RA Capacity that Buyer is seeking to replace is Designated RA Capacity having RAR Attributes and no LAR Attributes (such capacity shall also include FCR Attributes if this is a Flexible Capacity Product) and no such RAR capacity is available, then Buyer may replace such portion of the Designated RA Capacity with capacity having RAR Attributes and LAR Attributes (as well as FCR Attributes if this is a Flexible Capacity Product) ("Replacement Capacity"). Such Replacement Capacity may be provided by CAISO to Buyer pursuant to the Tariff. Buyer may enter into purchase transactions with one or more parties to replace any portion of Designated RA Capacity not provided by Seller. Additionally, Buyer may enter into one or more arrangements to repurchase its obligation to sell and deliver capacity to another party and, to the extent such transactions are done at prevailing market prices, such arrangements shall be considered equivalent to the procurement of Replacement Capacity. Buyer shall use commercially reasonable efforts to minimize damages when procuring any Replacement Capacity.
- (b) Seller shall pay to Buyer at the time set forth in Section 21 of the Master Agreement, the following damages in lieu of damages specified in Section 21 of the Master Agreement: an amount equal to the positive difference, if any, between (i) the sum of (A) the actual cost paid by Buyer for any Replacement Capacity plus reasonable costs and expenses incurred by Buyer in purchasing such Replacement Capacity, plus (B) each Capacity Replacement Price times the amount of the Designated RA Capacity neither provided by Seller nor purchased by Buyer pursuant to Section 4.7(a), and (ii) the Designated RA Capacity not provided for the applicable Showing Month times the Contract Price for that month. If Seller fails to pay these damages, then Buyer may offset those damages owed it against any future amounts it may owe to Seller under this Confirmation pursuant to Section 28 of the Master Agreement.

4.8 Indemnities for Failure to Deliver Contract Quantity

Seller agrees to indemnify, defend and hold harmless Buyer from any penalties, fines or costs assessed against Buyer by the CPUC or the CAISO, resulting from any of the following:

- (a) Seller's failure to provide any portion of the Designated RA Capacity for any portion of the Delivery Period;
- (b) Seller's failure to provide notice of the non-availability of any portion of Designated RA Capacity for any portion of the Delivery Period as required under Section 4.6; or
- (c) A Unit Scheduling Coordinator's failure to timely submit Supply Plans that accurately identify Buyer's right to the Designated RA Capacity purchased hereunder for each day of the Delivery Period

With respect to the foregoing, the Parties shall use commercially reasonable efforts to minimize such penalties, fines and costs; provided, that in no event shall Buyer be required to use or change its utilization of its owned or controlled assets or market positions to minimize these penalties and fines. If Seller fails to pay the foregoing penalties, fines or costs, or fails to reimburse Buyer for those penalties, fines or costs, then Buyer may offset those penalties, fines or costs against any future amounts it may owe to Seller under this Confirmation.

4.9 Monthly RA Capacity Payment

Each Unit's Monthly RA Capacity Payment shall be equal to the product of (a) the applicable Contract Price for that Monthly Delivery Period, (b) the Designated RA Capacity for the Monthly Delivery Period, and (c) 1,000. The final product of this Monthly RA Capacity Payment calculation shall be rounded to the nearest penny (i.e., two decimal places).

RA CAPACITY FLAT PRICE TABLE

Contract Year/Month	RA Capacity Flat Price (\$/kW-month)
2018 July	■
2018 August	■

4.10 Allocation of Other Payments and Costs

Seller may retain any revenues it may receive from the CAISO or any other third party with respect to any Unit for (a) start-up, shut-down, and minimum load costs, (b) capacity revenue for ancillary services, (c) energy sales, (d) any revenues for black start or reactive power services, or (e) the sale of the unit contingent call rights on the generation capacity of the Unit to provide energy to a third party, so long as such rights do not confer on such third party the right to claim any portion of the RA Capacity sold hereunder in order to make an RAR Showing, LAR Showing, FCR Showing, or any similar capacity or resource adequacy showing with the CAISO or CPUC. Buyer acknowledges and agrees that all Availability Incentive Payments are for the benefit of Seller and for Seller's account, and that Seller shall receive, retain, or be entitled to receive all credits, payments, and revenues, if any, resulting from Seller achieving or exceeding Availability Standards. The Parties acknowledge and agree that any Non-Availability Charges are the responsibility of Seller, and for Seller's account and Seller shall be

responsible for all fees, charges, or penalties, if any, resulting from Seller failing to achieve Availability Standards. However, Buyer shall be entitled to receive and retain all revenues associated with the Designated RA Capacity of any Unit during the Delivery Period (including any capacity or availability revenues from RMR Agreements for any Unit, Reliability Compensation Services Tariff, and Residual Unit Commitment capacity payments or payments made under a successor program to the Residual Unit Commitment program, but excluding payments described in clauses (a) through (c) above). In accordance with Section 4.9 of this Confirmation and Section 9 of the Master Agreement, all such revenues received by Seller, or a Unit's Scheduling Coordinator, owner, or operator shall be remitted to Buyer, Seller shall indemnify Buyer for any such revenues that Buyer does not receive, and Seller shall pay such revenues to Buyer if the Unit's Scheduling Coordinator, owner, or operator fails to remit those revenues to Buyer. If Seller fails to pay such revenues to Buyer, Buyer may offset any amounts owing to it for such revenues pursuant to Section 9 of the Master Agreement against any future amounts it may owe to Seller under this Confirmation. In order to verify the accuracy of such revenues, Buyer shall have the right, at its sole expense during normal working hours after reasonable prior notice, to retain an independent third party reasonably acceptable to Seller to audit any documents, records, or data of Seller associated with the Contract Quantity. If a centralized capacity market develops within the CAISO region, Buyer will have exclusive rights to offer, bid, or otherwise submit Designated RA Capacity provided to Buyer pursuant to this Confirmation for re-sale in such market, and retain and receive any and all related revenues.

4.11 Post-Showing Replacement Capacity

In the event CAISO determines, in accordance with the Tariff, that any portion of the Contract Quantity for any portion of a Showing Month which was shown by Buyer in its RAR Showing, LAR Showing, FCR Showing, or any similar capacity or resource adequacy showing with the CAISO or CPUC, requires outage replacement by Buyer in accordance with Section 40.7 of the Tariff ("Shortfall Capacity"), Buyer shall promptly notify Seller. Seller shall provide the outage replacement to Buyer for Buyer to meet its RA compliance obligations. If Seller fails to provide Buyer with such outage replacement, Seller shall pay any penalties, fines or costs assessed against Buyer by the CPUC or the CAISO. If the CAISO requires Seller or its SC to obtain the outage replacement such that Buyer is permitted to count the Shortfall Capacity in its RAR Showing, LAR Showing, FCR Showing, or any similar capacity or resource adequacy showing with the CAISO or CPUC, there shall be no adjustment to Seller's Monthly RA Capacity Payment for such Shortfall Capacity.

5.

CAISO OFFER REQUIREMENTS

During the Delivery Period, except to the extent any Unit is in an Outage, or is affected by an event of Force Majeure that results in a partial or full Outage of that Unit, Seller shall either schedule or cause the Unit's Scheduling Coordinator to schedule with, or make available to, the CAISO each Unit's Designated RA Capacity in compliance with the Tariff, and shall perform all, or cause the Unit's Scheduling Coordinator, owner, or operator, as applicable, to perform all obligations under the Tariff that are associated with the sale of Designated RA Capacity hereunder. Buyer shall have no liability for the failure of Seller or the failure of any Unit's Scheduling Coordinator, owner, or operator to comply with such Tariff provisions, including any penalties or fines imposed on Seller or the Unit's Scheduling Coordinator, owner, or operator for such noncompliance.

6.

GENERAL REPRESENTATIONS AND WARRANTIES

In addition to the representations and warranties contained in Section 37 of the Master Agreement, each of Buyer and Seller represents and warrants to the other party that, as of the Effective Date:

- (a) it is duly organized, validly existing and in good standing under the laws of the jurisdiction of its formation;

- (b) it has all contractual, governmental, regulatory and legal authorizations necessary for it to legally perform its obligations under this Confirmation;
- (c) the execution, delivery and performance of this Confirmation are within its powers, and have been duly authorized by all necessary action;
- (d) this Confirmation and each other document executed and delivered in accordance with this Confirmation constitutes its legally valid and binding obligation enforceable against it in accordance with its terms, subject to any bankruptcy, insolvency, reorganization and other laws affecting creditors' rights generally, and with regard to equitable remedies, the discretion of the court before which proceedings to obtain same may be pending;
- (e) it is acting for its own account, has made its own independent decision to enter into this Confirmation and as to whether this Confirmation is appropriate or proper for it based upon its own judgment, is not relying upon the advice or recommendations of the other Party in doing so, and is capable of assessing the merits of and understanding, and understands and accepts, the terms and conditions and risks of this Confirmation; and
- (f) with respect to the Master Agreement and this Confirmation, the obligations to make payments hereunder do not constitute or create any kind of lien on, or security interest in, any property or revenues of Buyer.

7.

OTHER BUYER AND SELLER COVENANTS

7.1 Buyer and Seller shall, throughout the Delivery Period, take all commercially reasonable actions and execute any and all documents or instruments reasonably necessary to ensure Buyer's right to the use of the Contract Quantity for the sole benefit of Buyer's RAR, LAR and/or FCR, as applicable. Such commercially reasonable actions shall include, without limitation:

- (a) Cooperating with and providing, and in the case of Seller causing each Unit's Scheduling Coordinator, owner, or operator to cooperate with and provide requested supporting documentation to the CAISO, the CPUC, or any other Governmental Body responsible for administering RAR, LAR and/or FCR under Applicable Laws, to certify or qualify the Contract Quantity as RA Capacity and Designated RA Capacity. Such actions shall include, without limitation, providing information requested by the CAISO, the CPUC, or by an LRA having jurisdiction, to demonstrate for each month of the Delivery Period the ability to deliver the Contract Quantity from each Unit to the CAISO Controlled Grid for the minimum hours required to qualify as RA Capacity, and providing information requested by the CPUC, the CAISO or other Governmental Body having jurisdiction to administer RAR, LAR or FCR to demonstrate that the Contract Quantity can be delivered to the CAISO Controlled Grid, pursuant to "deliverability" standards established by the CAISO, or other Governmental Body having jurisdiction to administer RAR, LAR and/or FCR; and
- (b) Negotiating in good faith to make necessary amendments, if any, to this Confirmation to conform this Transaction to subsequent clarifications, revisions, or decisions rendered by the CPUC, FERC, or other Governmental Body having jurisdiction to administer RAR, LAR and FCR, so as to maintain the purpose of the benefits of the bargain struck by the Parties on the Confirmation Effective Date.

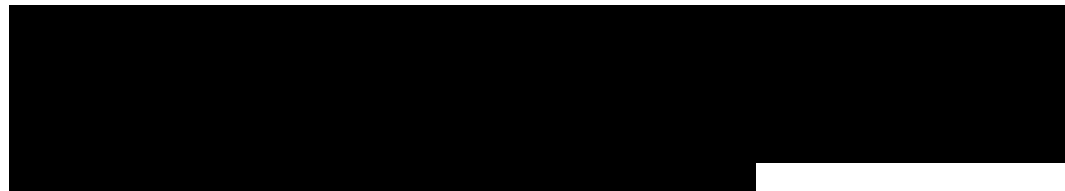
7.2 **Seller represents, warrants and covenants to Buyer that, throughout the Delivery Period:**

- (a) Seller owns or has the exclusive right to the RA Capacity sold under this Confirmation from each Unit, and shall furnish Buyer, CAISO, CPUC or other jurisdictional LRA, or

other Governmental Body with such evidence as may reasonably be requested to demonstrate such ownership or exclusive right;

- (b) No portion of the Contract Quantity has been committed by Seller to any third party in order to satisfy RAR, LAR, FCR or such analogous capacity obligations in CAISO markets, other than pursuant to an RMR Agreement between the CAISO and either Seller or the Unit's owner or operator;
- (c) No portion of the Contract Quantity has been committed by Seller in order to satisfy RAR, LAR, FCR, or analogous capacity obligations in any non-CAISO market;
- (d) Each Unit is connected to the CAISO Controlled Grid, is within the CAISO Control Area, or is under the control of CAISO;
- (e) The owner or operator of each Unit is obligated to maintain and operate each Unit using Good Utility Practice and, if applicable, General Order 167 as outlined by the CPUC in the Enforcement of Maintenance and Operation Standards for Electric Generating Facilities Adopted May 6, 2004, and is obligated to abide by all Applicable Laws in operating such Unit; provided, that the owner or operator of any Unit is not required to undertake capital improvements, facility enhancements, or the construction of new facilities;
- (f) The owner or operator of each Unit is obligated to comply with Applicable Laws, including the Tariff, relating to RA Capacity and, as applicable, RAR, LAR and/or FCR;
- (g) If Seller is the owner of any Unit, the respective cumulative sums of LAR Attributes, RAR Attributes, and FCR Attributes that Seller has sold, assigned or transferred for any Unit does not exceed that Unit's RA Capacity;
- (h) With respect to the RA Capacity provided under this Confirmation, Seller shall, and each Unit's Scheduling Coordinator is obligated to, comply with Applicable Laws, including the Tariff, relating to RA Capacity, and RAR, LAR and FCR;
- (i) Seller has notified the Scheduling Coordinator of each Unit that Seller has transferred the Designated RA Capacity to Buyer, and the Scheduling Coordinator is obligated to deliver the Supply Plans in accordance with the Tariff;
- (j) Seller has notified the Scheduling Coordinator of each Unit that Seller is obligated to cause each Unit's Scheduling Coordinator to provide to the Buyer, at least five (5) Business Days before the relevant deadline for each RAR Showing, LAR Showing, and/or FCR Showing, as applicable, the Designated RA Capacity of each Unit that is to be submitted in the Supply Plan associated with this Agreement for the applicable period; and
- (k) Seller has notified each Unit's Scheduling Coordinator that Buyer is entitled to the revenues set forth in Section 4.10 of this Confirmation, and such Scheduling Coordinator is obligated to promptly deliver those revenues to Buyer, along with appropriate documentation supporting the amount of those revenues.

(l)



8. CONFIDENTIALITY

Notwithstanding Section 30.1 of the Master Agreement, the Parties agree that Buyer may disclose the Designated RA Capacity under this Transaction to any Governmental Body, the CPUC, the CAISO or any LRA having jurisdiction in order to support its LAR Showings, RAR Showings, and/or FCR Showings, as applicable, and Seller may disclose the transfer of the Designated RA Capacity under this Transaction to the Scheduling Coordinator of each Unit in order for such Scheduling Coordinator to timely submit accurate Supply Plans. Buyer and Seller acknowledge and agree that the Master Agreement and any Confirmations executed in connection therewith are subject to the California Public Records Act (Government Code Section 6250 et seq.), and that Buyer is required to make public this Confirmation (which may be partially redacted by Buyer) in connection with the process of seeking approval from its board of directors for the execution of this Confirmation.

Seller acknowledges that Buyer is a public agency subject to the requirements of the California Public Records Act (Cal. Gov. Code section 6250 et seq.). Buyer acknowledges that Seller may submit information to Buyer that Seller considers confidential, proprietary, or trade secret information pursuant to the Uniform Trade Secrets Act (Cal. Civ. Code section 3426 et seq.), or otherwise protected from disclosure pursuant to an exemption to the California Public Records Act (Government Code sections 6254 and 6255). Seller acknowledges that Buyer may submit to Seller information that Buyer considers confidential or proprietary or protected from disclosure pursuant to exemptions to the California Public Records Act (Government Code sections 6254 and 6255). Upon request or demand of any third person or entity not a party to this Agreement ("Requestor") for production, inspection and/or copying of information designated by a Disclosing Party as Confidential Information, the Receiving Party as soon practical shall notify the Disclosing Party that such request has been made, by telephone call, letter sent via electronic mail, and/or by overnight carrier to the address, or email address listed at the end of the Agreement. The Disclosing Party shall be solely responsible for taking whatever legal steps are necessary to protect information deemed by it to be Confidential Information and to prevent release of information to the Requestor by the Receiving Party. If the Disclosing Party takes no such action, after receiving the foregoing notice from the Receiving Party, the Receiving Party shall be permitted to comply with the Requestor's demand and is not required to defend against it. For purposes of this Section, the "Disclosing Party" is the Party to this Confirmation that discloses information to the other Party, and the "Receiving Party" is the Party receiving such information.

9. BUYER'S RE-SALE OF PRODUCT

Buyer may re-sell all or a portion of the Product hereunder and any associated rights, in each case, acquired under this Agreement. In the event Buyer re-sells all or a portion of the Product and any associated rights acquired under this Agreement ("Resold Product"), Seller agrees, and agrees to cause each Unit's SC, to follow Buyer's instructions and the Tariff with respect to providing such Resold Product to subsequent purchasers of such Resold Product. Seller further agrees, and agrees to cause each Unit's SC, to take all commercially reasonable actions and execute any and all documents or instruments reasonably necessary to allow such subsequent purchasers to use such Resold Product. Seller acknowledges and agrees that with respect to any Resold Product, if Buyer incurs any liability to any purchaser of such Resold Product due to the failure of Seller or a Unit's SC to comply with the terms of this Agreement, and Seller would have had liability to Buyer under this Agreement for such failure had Buyer not sold the Resold Product to a subsequent purchaser, then Seller shall be liable to Buyer under this Agreement, including without limitation, pursuant to Section 4.8, for the amounts it would have been liable to Buyer for had such Resold Product not been sold to a subsequent purchaser.

10. MARKET BASED RATE AUTHORITY

Seller agrees, in accordance with Federal Energy Regulatory Commission (FERC) Order No. 697, to, upon request of Buyer, submit a letter of concurrence in support of any affirmative statement by Buyer

that this contractual arrangement does not transfer “ownership or control of generation capacity” from Seller to Buyer as the term “ownership or control of generation capacity” is used in 18 CFR Section 35.42. Seller also agrees that it will not, in filings, if any, made subject to Order Nos. 652 and 697, claim that this contractual arrangement conveys ownership or control of generation capacity from Seller to Buyer.

11. MASTER AGREEMENT AMENDMENTS

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

12.
NO RECOURSE TO MEMBERS OF BUYER

Buyer is organized as a Joint Powers Authority in accordance with the Joint Exercise of Powers Act of the State of California (Government Code Section 6500, et seq.) and is a public entity separate from its constituent members. Buyer is and will be solely responsible for all debts, obligations and liabilities accruing and arising out of this Confirmation. Seller will have no recourse to, and will not make any claims, take any actions or assert any remedies against any of Buyer's constituent members, or the officers, directors, advisors, contractors, consultants or employees of Buyer or Buyer's constituent members, in connection with this Confirmation.

13.
COUNTERPARTS

This Confirmation may be signed in any number of counterparts with the same effect as if the signatures to counterparty were upon a single instrument. Delivery of an executed signature page of this Confirmation by facsimile or electronic mail transmission (including PDF) shall be the same as delivery of a manually executed signature page.

14.
ENTIRE AGREEMENT, NO ORAL AGREEMENTS OR MODIFICATIONS

This Confirmation sets forth the terms of the Transaction into which the Parties have entered into and (together with the Master Agreement, as revised by this Confirmation) shall constitute the entire agreement between the Parties relating to the contemplated purchase and sale of the Product. Notwithstanding any other provision of the Agreement, this Transaction may be confirmed only through a documentary writing executed by both Parties, and no amendment or modification to this Transaction shall be enforceable except through a documentary writing executed by both Parties.

ACKNOWLEDGED AND AGREED TO AS OF THE CONFIRMATION EFFECTIVE DATE

Calpine Energy Services, L.P.



By:

Name: Andrew Novotny

Title: Vice President

Peninsula Clean Energy Authority

By: _____

Name: _____

Title: _____



PENINSULA CLEAN ENERGY
JPA Board Correspondence

DATE: September 14, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Present

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jan Pepper, Chief Executive Officer
SUBJECT: Resource Adequacy (High Desert Power Project, LLC)

RECOMMENDATION:

Approve Resolution to Authorize the Chief Executive Officer to execute a WSPP (Western Systems Power Pool) Confirmation Letter for Purchase of Resource Adequacy from High Desert Power Project, LLC. Delivery Term: January 2018 through December 2018, in an amount not to exceed \$1,000,000 (Action)

BACKGROUND:

The CPUC has explained Resource Adequacy as follows:

The CPUC adopted a Resource Adequacy (RA) policy framework (PU Code section 380) in 2004 to in order to ensure the reliability of electric service in California. The CPUC established RA obligations applicable to all Load Serving Entities (LSEs) within the CPUC's jurisdiction, including investor owned utilities (IOUs), energy service providers (ESPs), and community choice aggregators (CCAs). The Commission's RA policy framework – implemented as the RA program -- guides resource procurement and promotes infrastructure investment by requiring that LSEs procure capacity so that capacity is available to the CAISO when and where needed. The CPUC's RA program now contains three distinct requirements: System RA requirements (effective June 1, 2006), Local RA requirements (effective January 1, 2007) and Flexible RA requirements (effective January 1, 2015). System requirements are determined based on each LSE's CEC adjusted forecast plus a 15% planning reserve margin. Local requirements

are determined based on an annual CAISO study using a 1-10 weather year and an N-1-1 contingency. Flexible Requirements are based on an annual CAISO study that currently looks at the largest three hour ramp for each month needed to run the system reliably. There are two types of filings; Annual filings (filed on or around October 31st) and monthly filings (filed 45 calendar days prior to the compliance month).

For the annual filings, LSEs are required to make an annual System, Local, and Flexible compliance showing for the coming year. For the System showing, LSEs are required to demonstrate that they have procured 90% of their System RA obligation for the five summer months the coming compliance year. Additionally each LSE must demonstrate that they meet 90% of its Flexible requirements and 100% of its local requirements for each month of the coming compliance year. For the monthly filings LSEs must demonstrate they have procured 100% of their monthly System and Flexible RA obligation. Additionally, on a monthly basis from May through December, LSEs must demonstrate they have met their revised (due to load migration) local obligation.

This is a regulatory requirement. PCEA is not purchasing actual energy. It is paying to ensure that there is enough generation on the grid to ensure reliability. Further, because the regulatory requirements evolve over time, PCEA is frequently having to go to market to purchase RA to ensure the regulatory requirements are met and PCEA receives the most competitive prices possible.

DISCUSSION:

PCE, working with its consultant PEA, solicited proposals to supply RA for a portion of its generic System RA for its 2018 needs (January-December).

High Desert Power Project, LLC offered the most competitive response to provide RA to meet a portion of PCE's generic System RA requirements for January through December 2018.

The Confirmation for this transaction is in substantially the same form as others negotiated for RA. Consistent with PCE policy, the confirmation includes an exclusion that no coal resources will be used to provide the RA or replacement RA.

The Board is being asked to approve execution of a Confirmation Letter with High Desert Power Project, LLC, in a form approved by General Counsel.

RESOLUTION NO. _____

**PENINSULA CLEAN ENERGY AUTHORITY, COUNTY OF SAN MATEO, STATE OF
CALIFORNIA**

*** * * * ***

**RESOLUTION DELEGATING AUTHORITY TO THE CHIEF EXECUTIVE OFFICER
TO EXECUTE A CONFIRMATION LETTER WITH HIGH DESERT POWER PROJECT,
LLC WITH TERMS CONSISTENT WITH THOSE PRESENTED, IN A FORM
APPROVED BY THE GENERAL COUNSEL AND FOR A DELIVERY TERM OF
JANUARY 1 THROUGH DECEMBER 31, 2018, IN AN AMOUNT NOT TO EXCEED
\$1,000,000**

RESOLVED, by the Peninsula Clean Energy Authority of the County of San
Mateo, State of California, that

WHEREAS, the Peninsula Clean Energy Authority (“Peninsula Clean Energy” or
“PCEA”) was formed on February 29, 2016; and

WHEREAS, launch of service for Phase I occurred in October 2016, and launch
of service for Phase II occurred in April 2017; and

WHEREAS, Peninsula Clean Energy has ongoing regulatory commitments to
purchase Resource Adequacy (“RA”); and

WHEREAS, in September 2017, consistent with its mission of reducing greenhouse gas emissions and offering customer choice at competitive rates, Peninsula Clean Energy administered a competitive process to select one or more RA supply contractors; and

WHEREAS, one of the providers selected by Peninsula Clean Energy through this competitive process is **HIGH DESERT POWER PROJECT, LLC** (“Contractor”), based on its desirable offering of products, pricing, and terms; and

WHEREAS, staff is presenting to the Board for its review the negotiated Confirmation Letter, reference to which should be made for further particulars; and

WHEREAS, the Board wishes to delegate to the Chief Executive Officer authority to execute the aforementioned Confirmation Letter for said purchase of RA from the Contractor.

NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED that the Board delegates authority to the Chief Executive Officer to execute the Confirmation Letter with the Contractor with terms consistent with those presented, in a form approved by the General Counsel and for a delivery term of January 1 through December 31, 2018, in an amount not to exceed \$1,000,000.

* * * * *

[CCO-113499]



**PENINSULA CLEAN ENERGY
JPA Board Correspondence**

DATE: August 16, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: Majority Present

TO: Honorable Peninsula Clean Energy Authority Board of Directors
FROM: Jan Pepper, Chief Executive Officer, Peninsula Clean Energy
SUBJECT: Amendment to Agreement with Circlepoint

RECOMMENDATION:

Approve amendment No. 2 to the agreement with Circlepoint to provide marketing, communications, and public engagement services, increasing the amount by \$85,000 for a total not to exceed amount of \$279,259.

BACKGROUND:

In February 2016 Peninsula Clean Energy (PCE) selected Circlepoint to provide outreach and communications services to PCE based on their experience with other CCA programs, expertise in conducting multilingual communications, and the cost-effectiveness of their proposal. At that time, the County of San Mateo entered into a contract with Circlepoint in an amount not to exceed \$325,000. This contract was succeeded by a contract between PCE and Circlepoint in an amount not to exceed \$94,249 with a term ending December 31, 2016. Subsequently, the contract was amended in January 2017, to add an additional \$100,000 and extend the term through December 31, 2017.

PCE has ongoing outreach and communications needs that exceed the capabilities of current PCE staff. These services include (but are not necessarily limited to) graphic design, layout, language translation services, social media, public relations, and web design. PCE is moving toward taking many of these functions in-house over the course of 2017. PCE staff are planning to hire a part-time Marketing Associate and part-time designer in late 2017 to help the Marketing Director bring most marketing and communications tasks in-house for 2018. However, there is immediate need for outreach and communications services during the balance of 2017, and our current contract with

Circlepoint is insufficient.

DISCUSSION:

We are requesting the Board to approve the attached amendment to the agreement with Circlepoint to increase the dollar limit by \$85,000.

General Counsel has reviewed and approved the resolution and the amendment as to form.

FISCAL IMPACT:

The term of this amended agreement is July 28, 2016 through December 31, 2017 in an amount not to exceed \$279,259.

ATTACHMENTS

- A. Amendment to Circlepoint Agreement

RESOLUTION NO. _____

**PENINSULA CLEAN ENERGY AUTHORITY, COUNTY OF SAN MATEO, STATE OF
CALIFORNIA**

* * * * *

**RESOLUTION AUTHORIZING AMENDMENT NO. 2 TO THE AGREEMENT WITH
CIRCLEPOINT TO PROVIDE MARKETING, COMMUNICATIONS, AND PUBLIC
ENGAGEMENT SERVICES, INCREASING THE AMOUNT BY \$85,000 FOR A TOTAL
NOT TO EXCEED AMOUNT OF \$279,259**

RESOLVED, by the Peninsula Clean Energy Authority of the County of San Mateo, State of California, that

WHEREAS, the Peninsula Clean Energy Authority (“PCEA”) was formed on February 29, 2016 as a Community Choice Aggregation program (“CCA”); and

WHEREAS, Circlepoint was selected to provide outreach and communications services to PCEA based on their experience with other CCA programs, expertise in conducting multilingual communications, and the cost-effectiveness of their proposal; and

WHEREAS, PCEA has signed an agreement (“Agreement”) with Circlepoint on October 13, 2016 to provide these services for the term of August 24, 2016 through December 31, 2016 for an amount not to exceed \$94,259; and

WHEREAS, PCE has signed a contract amendment with Circlepoint in January 2017 for an additional \$100,000, while also extending the contract term through December 31, 2017, and utilized some of those funds for direct advertising spend; and

WHEREAS, Circlepoint has provided these services in a satisfactory manner; and

WHEREAS, PCE staff are planning to hire a part-time Marketing Associate and part-time designer in late 2017 to help the Marketing Director bring most marketing and communications tasks in-house for 2018; and

WHEREAS, PCE staff and Circlepoint have identified additional marketing and communications tasks with an estimated cost of \$84,430 through the remainder of calendar year 2017; and

WHEREAS, an amendment (“Amendment No. 2”) to this agreement has been provided to the Board for its review and approval, reference to which should be made for further particulars.

NOW, THEREFORE, IT IS HEREBY RESOLVED that the Chair of the Board of Directors is hereby authorized and directed to execute said Amendment No. 2 for and on behalf of the Peninsula Clean Energy Authority, and the Clerk of this Board shall attest the Chair’s signature thereto.

* * * * *

[CCO-113499]

**AMENDMENT NO. 2 TO AGREEMENT
BETWEEN THE PENINSULA CLEAN ENERGY AUTHORITY AND
CIRCLEPOINT**

THIS AMENDMENT TO THE AGREEMENT, entered into this ____ day of _____, 20____, by and between the Peninsula Clean Energy Authority, a joint powers authority of the state of California, hereinafter called "PCEA," and Circlepoint, hereinafter called "Contractor";

W I T N E S S E T H:

WHEREAS, pursuant to Section 6508 of the Joint Exercise of Powers Act, PCEA may contract with independent contractors for the furnishing of services to or for PCEA;

WHEREAS, the parties entered into an Agreement for marketing, communications and public engagement services on October 13, 2016; and

WHEREAS, the parties amended that contract on January 26, 2017; and

WHEREAS, the parties wish to amend the Agreement to increase the total amount of the Agreement.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES HERETO AS FOLLOWS:

1. **Section 2 of the agreement is amended to read as follows:**

In consideration of the services provided by Contractor in accordance with all terms, conditions, and specifications set forth in this Agreement and in Exhibit A, PCEA shall make payment to Contractor based on the rates and in the manner specified in Exhibit B. PCEA reserves the right to withhold payment if PCEA determines that the quantity or quality of the work performed is unacceptable. In no event shall PCEA's total fiscal obligation under this Agreement exceed TWO HUNDRED SEVENTY-NINE THOUSAND TWO HUNDRED FIFTY NINE DOLLARS (\$279,259). In the event that the PCEA makes any advance payments, Contractor agrees to refund any amounts in excess of the amount owed by the PCEA at the time of contract termination or expiration.

2. **All other terms and conditions of the agreement dated October 13, 2016, as previously amended, between PCEA and Contractor shall remain in full force and effect.**

In witness of and in agreement with this Agreement's terms, the parties, by their duly authorized representatives, affix their respective signatures:

For Contractor: Circlepoint

Contractor Signature

Date

Contractor Name (please print)

PENINSULA CLEAN ENERGY AUTHORITY

By:
[Chair, Board of Directors, Peninsula Clean Energy Authority]

Date:

ATTEST:

By:
Clerk of Said Board



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: September 15, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors
FROM: Joseph Wiedman, Director of Regulatory and Legislative Affairs
SUBJECT: Update on PCE's September Regulatory and Legislative Activities

BACKGROUND:

September was a relatively quiet month on the regulatory front as work at regulatory agencies gears back up from the August lull. As discussed in more detail below, by the time of this month's Board meeting, one pleading was filed at the California Energy Commission (CEC) and 2 pleadings were submitted at the California Public Utilities Commission (CPUC). However, as the Board is aware, the legislative front unexpectedly exploded at the last minute due to a flurry of last minute proposals. The community choice aggregator (CCA) community made its voice heard at the legislature on behalf of energy consumers. Legislators heard our message. As discussed below, all of our concerns were addressed.

DISCUSSION:

CalCCA Activities

None.

Regulatory Advocacy

R.17-06-026 – PCIA Order Instituting Rulemaking (OIR) - On August 24th, CalCCA filed a prehearing conference (PHC) statement at the CPUC to address the scope, schedule and classification of the docket. PCE assisted in the development of each of these aspects of the filing with a particular focus on schedule. Scheduling in a docket as complex and contentious as the PCIA can be very difficult given the number of issues to be considered. A PHC was held on August 31st to discuss scope, schedule and classification. Parties, besides the investor-owned utilities (IOUs), were generally aligned with CalCCA's proposed scope and schedule. All parties generally agreed that the docket should be classified as ratesetting based on commission rules and precedent and because ratesetting requires notice of ex parte communications. Next steps in the docket are the issuance of a scoping memo by the assigned commissioner and administrative law judge which will set the formal schedule, scope of issues to be addressed, and classification for the docket. We also anticipate the scoping memo to address basic discovery issues.

R.03-10-003 – CCA Bond Methodology – On August 25th, CalCCA and the IOUs filed rebuttal testimony. CalCCA's rebuttal testimony discussed the many reasons why the IOU's proposed financial security requirement was inconsistent with fact, prior commission precedent concerning the CCA bond requirements, and would result in onerous levels of security required. As noted previously, the bond is required under state law to protect bundled customers from having to cover the costs of CCA customers involuntarily returned to an IOU. CalCCA testimony argued that the bond should be set at the estimated administrative cost of returning a customer to bundled service only. The IOUs' testimony argued that in addition to administrative costs, the bond amount should cover an estimate of procurement costs under "stressed" market conditions. The Commission has previously rejected the IOUs' proposed methodology during prior requests.

Docket No. 16-OIR-05 – AB 1110 Implementation – On August 11th, stakeholders submitted comments to the CEC addressing CEC staff's draft proposal. CalCCA submitted its comments on July 28th. The draft staff proposal is the first document to provide concrete details on how AB 1110 might be implemented. It follows an initial stakeholder workshop held in February 2017, and is expected to lead to draft regulatory language released for feedback this fall. The CEC then expects to initiate a formal rulemaking process at the beginning of 2018. The staff proposal generated many concerns among many load serving entities because it appears to have prioritized consistency with the ARB's Mandatory Reporting Regulation (MRR, which provides the data used in the annual CARB Emissions Inventory as well as cap-and-trade compliance documentation) over consistency with the state's RPS-related rules and protocols. This

leads to five general issues: (1) Reporting RECs in the year they are generated rather than the year they are retired, (2) requiring firm-and-shaped products (PCC2) to use the emissions intensity of the substituted energy rather than the generation source that produced the RECs; (3) excluding unbundled RECs (PCC3) from the power mix and GHG emissions intensity reporting and mentioning them only in a footnote; (4) reporting Asset Controlled Supplier (ACS) products as unspecified in the power mix even though ACS-specific emission factors are available; and (5) assigning GHG emissions factors to transmission losses for electricity imports. CalCCA and individual CCAs, including PCE, have engaged with staff to discuss our concerns with the proposal. We have also been reaching out to aligned parties to coordinate on our concerns.

Legislative Advocacy

SB 100 (De Leon) – As reported previously, SB 100 seeks to increase California's renewable portfolio standard (RPS) to 60% renewable energy by 2030 and 100% greenhouse gas free energy by 2045. CalCCA has been an early and consistent supporter of this effort. However, towards the end of legislative session, the utilities proposed an amendment to SB 100 which would have changed state law related to the CPUC's integrated resource planning process to require the CPUC to adopt rules and regulations for CCAs that are equivalent to the IOUs. This proposed change in treatment of CCAs was strongly opposed by CalCCA and PCE. Fortunately, the language was removed from SB 100.

AB 726/813 (Holden) – On August 30th, extensive amendments to both bills were made by the author. Under the terms of the new language, utilities would be required to advance procure "tax-advantaged" renewable energy resources above the requirements of the RPS program. The bill would have authorized the CPUC to include the costs of this procurement in a nonbypassable charge which all other retail sellers, such as PCE, would be required to pay. The bill allowed existing CCAs to self-procure and count these "tax-advantaged" renewable energy resources if contracts were signed after September 30, 2017, which would have negatively affected PCE. CalCCA and PCE opposed these amendments and offered a set of proposals which would have allowed CCAs to engage in any procurement required by the legislation and, if they did so, to avoid any nonbypassable charges. On September 13th, Asm. Holden removed both bills from further consideration in this session.

IOU-ownership of distributed energy resources (DERs) – Late in the legislative session, a proposal was advanced by IOU-affiliated labor organizations to require IOU-ownership of any DERs – energy efficiency, renewable distributed generation, storage, etc. – which would result in a reduction of the need for transmission and distribution system investments. Numerous environmental, social justice, renewables and energy efficiency groups, consumer advocates and CCAs opposed this proposal as it is anti-competitive and upends decades of state policies designed to promote DERs. The language did not gain a sponsor and was not included in any legislation due to widespread opposition.



**PENINSULA CLEAN ENERGY AUTHORITY
Board Correspondence**

DATE: September 14, 2017
BOARD MEETING DATE: September 23, 2017
SPECIAL NOTICE/HEARING: None
VOTE REQUIRED: None

TO: Honorable Peninsula Clean Energy Authority (PCE) Board of Directors
FROM: Dan Lieberman, Director of Marketing and Public Affairs
SUBJECT: Update on PCE's August Marketing and Outreach Activities

BACKGROUND:

The marketing team has been busy doing outreach, preparing collateral, meeting with key account customers, and preparing for fall campaigns.

DISCUSSION:

Outreach Events

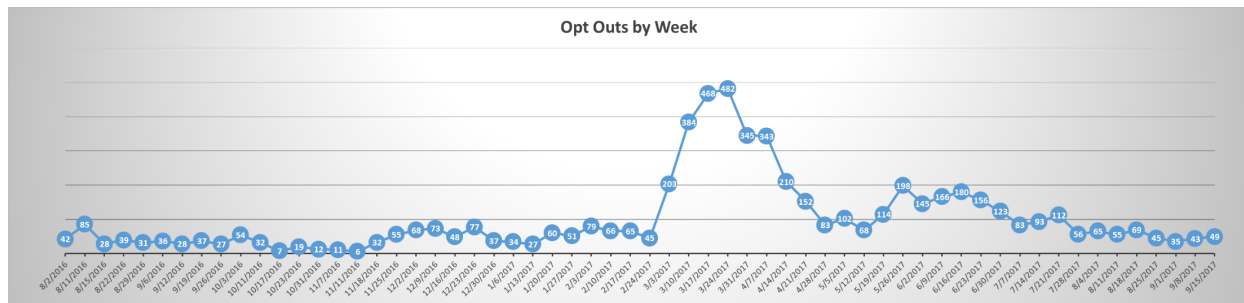
PCE continues outreach with a strategic focus on civically engaged organizations and events that draw widely from around the County:

Recent Events	
29-Aug	PCE Presentation at Pacifica Rotary
29-Aug	PCE Presentation at South San Francisco HOA
9-Sep	Table at 3 rd Annual Electric Vehicle Expo in San Mateo
11-Sep	ECO100 Update to Hillsborough City Council
11-Sep	Update to San Carlos City Council
13-Sep	Update to Sustainable Silicon Valley Policy Committee
14-Sep	Update to Rebuilding Together Energy Working Group
21-Sep	Presentation to Burlingame Lions Club
Upcoming Events	
23-Sep	Table Bacon and Brew Fest, San Mateo
7-Oct	San Carlos Art and Wine Festival*
8-Oct	San Carlos Art and Wine Festival*
10-Oct	San Mateo Multifamily Workshop
14-Oct	Presentation at South San Francisco Library
17-Oct	Sunshares workshop at San Mateo Library
28-Oct	Table Halloween/ Dia de los Muertos Festival at Facebook*
28-Oct	Table at Tanforan with Rebuilding Together
10-Nov	San Mateo Harvest Festival*
11-Nov	San Mateo Harvest Festival*
12-Nov	San Mateo Harvest Festival*

**Event registration still in process*

Enrollment Statistics

Weekly opt-outs have plateaued. We are seeing the lowest weekly opt-out rates since January 2017. Our overall opt-out rate is 1.995%, which is still very low by industry standards, especially given that we are approaching our first anniversary of service.



OPT OUT BY CITY/POPULATION 9/15/17			
CITY	Eligible Accts	Total	TOTAL OPT OUT %
PORTOLA VALLEY INC	1,675	89	5.31%
SAN BRUNO INC	16,353	489	2.99%
SO SAN FRANCISCO INC	24,719	662	2.68%
PACIFICA INC	15,427	413	2.68%
HALF MOON BAY INC	4,920	114	2.32%
DALY CITY INC	33,804	775	2.29%
MILLBRAE INC	9,352	206	2.20%
UNINC SAN MATEO CO	24,317	527	2.17%
SAN CARLOS INC	14,326	282	1.97%
BELMONT INC	11,821	227	1.92%
SAN MATEO INC	43,641	810	1.86%
BRISBANE INC	2,465	44	1.78%
HILLSBOROUGH INC	4,036	70	1.73%
BURLINGAME INC	15,375	253	1.65%
REDWOOD CITY INC	34,380	523	1.52%
FOSTER CITY INC	14,425	213	1.48%
EAST PALO ALTO INC	7,745	112	1.45%
WOODSIDE INC	2,283	33	1.45%
ATHERTON INC	2,678	35	1.31%
COLMA INC	791		1.26%
MENLO PARK INC	15,419	181	1.17%
Grand Total	299,952	6,068	2.02%

Note that the table above uses cumulative opt-out figures, which results in slight over-reporting. The true opt-out rate is currently 1.995%

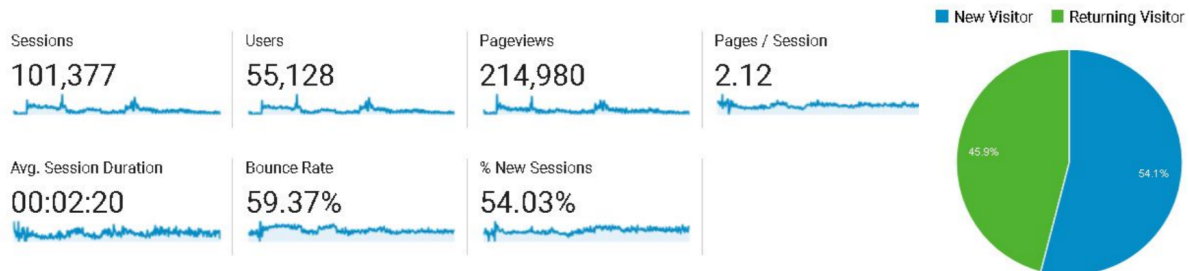
There are over 4,000 accounts in ECO100.

ACTIVE ACCTS BY CITY	Eligible Accts	September			
CITY	Full Territory	RES ACT	COM ACT	ACTIVE	ECO100
ATHERTON INC	2,678	2,320	200	2,520	53
BELMONT INC	11,821	10,321	926	11,247	127
BRISBANE INC	2,465	1,874	501	2,375	69
BURLINGAME INC	15,375	12,689	1,930	14,619	245
COLMA INC	791	496	271	767	
DALY CITY INC	33,804	30,060	1,938	31,998	44
EAST PALO ALTO INC	7,745	6,972	429	7,401	15
FOSTER CITY INC	14,425	12,751	843	13,594	102
HALF MOON BAY INC	4,920	4,077	576	4,653	33
HILLSBOROUGH INC	4,036	3,700	128	3,828	
MENLO PARK INC	15,419	12,977	1,697	14,674	259
MILLBRAE INC	9,352	8,257	668	8,925	82
PACIFICA INC	15,427	13,772	840	14,612	92
PORTOLA VALLEY INC	1,675	1,374	132	1,506	1,333
REDWOOD CITY INC	34,380	29,462	3,327	32,789	557
SAN BRUNO INC	16,353	14,353	1,099	15,452	64
SAN CARLOS INC	14,326	11,527	2,147	13,674	191
SAN MATEO INC	43,641	37,629	3,857	41,486	506
SO SAN FRANCISCO INC	24,719	20,328	3,224	23,552	54
UNINC SAN MATEO CO	24,317	20,163	2,822	22,985	359
WOODSIDE INC	2,283	1,946	214	2,160	45
Unallocated		92	4	96	
Unallocated (cust type)				243	
Grand Total	299,952	257,140	27,773	285,156	4,247

Web and Social Media

Web stats and sample social media are presented below.

Website Visits: June 21, 2016 - September 18, 2017



Social Media: September 2017

Peninsula Clean Energy shared San Carlos City Council Member Cameron Johnson's post.
Published by Kirsten Andrews-Schwind [Y] · September 12 at 10:44am ·

We'll be sharing more big news like this soon for every city in San Mateo County, and for the entire County! Stay tuned...

PCE Benefits in San Carlos

Savings of \$834,000 annually across all San Carlos accounts

GHG emissions avoided: 32.2 million pounds annually. Equivalent to carbon sequestered by 13,825 acres of US forest in one year—about **4 times the land area in San Carlos**

San Carlos City Council Member Cameron Johnson · September 11 at 10:59pm ·

Climate change is real, and it's threatening the future of our planet. Here in San Carlos, we are taking action.

By joining Peninsula Clean Energy, and changin...

See More

Peninsula Clean Energy
Published by Dan Lieberman [Y] · September 12 at 6:20am ·

We are so excited to announce a new 100 megawatt solar development being built for PCE customers!

www.peninsulacleanenergy.com
PENINSULACLEANENERGY.COM

209 people reached

Like Comment Share

Ellis Coombs, Lief Paulsen and 4 others

Write a comment...

Peninsula Clean Energy
Published by Kirsten Andrews-Schwind [Y] · September 2 at 11:07am ·

Hot weather can cause power outages. If you loose power, call PG&E's hotline 1-800-PGE-5000. Remember PG&E still maintains the wires for PCE customers. On hot days keep your home cool and the grid stable by using major appliances after 10 pm!

Outage alerts
Electric outage notifications, outage alerts
PGE.COM

65 people reached

Peninsula Clean Energy shared Adam Loraine's photo.
Published by Kirsten Andrews-Schwind [Y] · September 9 at 7:12pm ·

We had a great time handing out sun glasses and answering questions at the #DriveElectric event in San Mateo today. You're welcome Adam!

Adam Loraine is at Franklin Templeton Investments · September 9 at 6:47pm · San Mateo ·

Scored sweet new sunglasses from the Peninsula Clean Energy booth! They turn green in the sun! Thank-you!

88 people reached

Like Comment Share

Gloria Loraine, Marty Medina and Adam Loraine

Press Releases

PCE distributed a joint press release with Recurrent Energy on September 12 regarding the signing of a 100 megawatt Power Purchase Agreement.

On September 21 PCE and Facebook published a joint press release announcing Facebook as the largest participant in the ECO100 program.

The next press release will describe the environmental and financial benefits of a year of PCE service. The release date will be October 19.

Op-Ed

We are planning to publish an Op Ed in the San Mateo Daily Journal in coordination with the October 19 press release about the environmental and financial benefits of a year of PCE service.

Opt Update

The latest notable opt-ups to ECO100 include:

- Montara Water and Sanitary District
- City of Half Moon Bay

Staffing

The marketing team has three new employees:

- TJ Carter, Marketing Associate
- Alejandra Posada, Outreach Fellow
- Charlsie Chang, Outreach Follow

All three started on September 20. We welcome them to our marketing team!

Power Content Label

This past week PCE mailed the 2016 Power Content Label (PCL) to all customers. Copies of the PCL mailer will be distributed at the September 23rd Board meeting. The mailer provides the details of PCE's power mix from 2016, along with some promotional information. It is a state-required annual disclosure.