



BOARD OF DIRECTORS MEETING AGENDA

January 28, 2021 -Thursday, 3:30 p.m.

COVID-19 NOTICE

RCEA AND HUMBOLDT BAY MUNICIPAL WATER DISTRICT OFFICES WILL NOT BE OPEN TO THE PUBLIC FOR THIS MEETING

Pursuant to the Governor's Executive Order [N-29-20](#) of March 17, 2020, and the Humboldt County Health Officer's March 30, 2020, [Shelter-in-Place Order](#), the RCEA Board of Directors meeting will not be convened in a physical location. Board members will participate in the meeting via an online Zoom video conference.

To listen to the meeting by phone, call (669) 900-6833 or (253) 215-8782. Enter webinar ID: 819 7236 8051. **To watch the meeting online**, join the Zoom webinar at <https://us02web.zoom.us/j/81972368051>.

You may submit written public comment before and during the meeting by email to PublicComment@redwoodenergy.org. Please identify the agenda item number in the subject line. Comments received before the agenda item is heard will be read into the record, with a maximum allowance of approximately 500 words per comment. Comments received after the agenda item is heard and before the meeting's end will be included in the meeting record but not read aloud during the meeting.

To make a comment during the public comment periods, raise your hand in the online Zoom webinar, or press star (*) 9 on your phone to raise your hand. You will continue to hear the meeting while you wait. When it is your turn to speak, a staff member will unmute your phone or computer. You will have 3 minutes to speak.

While downloading the Zoom application may provide a better meeting experience, Zoom does not need to be installed on your computer to participate. After clicking the webinar link above, click "start from your browser."

In compliance with the Americans with Disabilities Act, any member of the public needing special accommodation to participate in this meeting should call (707) 269-1700 or email Ltaketa@redwoodenergy.org at least 3 business days before the meeting. Advance notice enables RCEA staff to make their best effort to reasonably accommodate access to this meeting while maintaining public safety.

Pursuant to Government Code section 54957.5, all writings or documents relating to any item on this agenda which have been provided to a majority of the Board of Directors, including those received less than 72 hours prior to the RCEA Board meeting, will be made available to the public at www.redwoodenergy.org.

OPEN SESSION Call to Order by Executive Director

1. BOARD APPOINTMENTS

1.1. Election of Officers and Community Advisory Committee Liaison Appointments

Select the RCEA Board Chair and Vice Chair and authorize them as signers on RCEA bank accounts.

Appoint a Board Liaison, and an alternate liaison if desired, to the Community Advisory Committee to serve through January 2022.

1.2. Board Subcommittee Review and Member Assignment

Determine whether the standing Finance Subcommittee should continue its work.

Appoint up to four Directors to serve on the standing Finance Subcommittee for one-year terms ending on the first regular Board meeting of 2022.

Determine whether the Offshore Wind Phase I Subcommittee should continue its work and solicit up to four Director-volunteers to serve on the ad hoc Offshore Wind Phase I Subcommittee until project area site control is secured from the Federal Bureau of Ocean Energy Management.

Determine whether the Racial Justice Action Plan Subcommittee should continue its work and verify whether the current Directors would like to continue serving on the subcommittee.

Create an ad hoc committee for long-duration storage procurement review of up three Board members to serve on this committee until December 31, 2021, or until all contracts to which RCEA is a party resulting from the associated joint request for offers are executed, whichever comes first.

2. REPORTS FROM MEMBER ENTITIES

3. ORAL COMMUNICATIONS

This time is provided for people to address the Board or submit written communications on matters not on the agenda. At the conclusion of all oral communications, the Board may respond to statements. Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

4. CONSENT CALENDAR

All matters on the Consent Calendar are considered to be routine by the Board and are enacted in one motion. There is no separate discussion of any of these items. If discussion is required, that item is removed from the Consent Calendar and considered separately. At the end of the reading of the Consent Calendar, Board members or members of the public can request that an item be removed for separate discussion.

4.1 Approve Minutes of December 17, 2020, Board Meeting.

4.2 Approve Disbursements Report.

4.3 Accept Financial Reports.

4.4 Approve the 2021 RCEA Board of Directors Meeting Calendar.

- 4.5** Approve Updated and Unchanged Community Choice Energy Weighted Board Vote Distribution.
- 4.6** Authorize Staff and General Counsel to Negotiate a Contract Extension with Calpine Energy Solutions for Data Management Services for Up to Five Years and Bring the Agreement to the Board for Final Approval Prior to Execution.
- 4.7** Approve Offshore Wind Cooperation Agreement Amendment No. 2 and Authorize the Executive Director to Execute the Amendment and All Associated Documents as Necessary, Contingent on Final Review and Approval by RCEA Legal Counsel.

5. REMOVED FROM CONSENT CALENDAR ITEMS

Items removed from the Consent Calendar will be heard under this section.

COMMUNITY CHOICE ENERGY (CCE) BUSINESS (Confirm CCE Quorum)

Items under this section of the agenda relate to CCE-specific business matters that fall under RCEA's CCE voting provisions, with only CCE-participating jurisdictions voting on these matters with weighted voting as established in the RCEA joint powers agreement.

6. OLD CCE BUSINESS

- 6.1.** 2021 CCE Customer Rate Setting Update (Information only)
- 6.2.** Energy Risk Management Overview (Information only)

7. NEW CCE BUSINESS – None.

END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

8. OLD BUSINESS

- 8.1** RePower Humboldt Strategic Plan Status Update (Information only)

9. NEW BUSINESS – None.

10. STAFF REPORTS – None.

11. FUTURE AGENDA ITEMS

Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

12. ADJOURNMENT

NEXT REGULAR MEETING

Thursday, February 25, 2021, 3:30 p.m.

This meeting will be an online teleconference following shelter-in-place orders.



STAFF REPORT
Agenda Item # 1.1

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Lori Taketa, Clerk of the Board
SUBJECT:	Election of Officers and Community Advisory Committee Liaison Appointments

BACKGROUND

Election of Officers

In keeping with its Operating Guidelines, the RCEA Board selects a Chair and Vice Chair every year at its January meeting by simple majority vote. The responsibilities of the Chair include:

- Conducting the monthly and special meetings
- Attending the monthly agenda review meeting
- Check signing and disbursement authority, including electronic funds disbursement.

The Vice Chair assumes these responsibilities when the Chair is unable to perform them.

The Chair and Vice Chair will be asked to complete the appropriate signature forms to be filed with RCEA's banking institution soon after the January meeting and be available to sign checks periodically when authorized staff are not available.

Community Advisory Committee Liaison Appointment

RCEA's Community Advisory Committee (CAC) was established by the Board to support RCEA public engagement efforts and provide the Board with decision-making support and input.

The Board's Operating Guidelines state that the Board will appoint at least one RCEA Board member as a CAC liaison that will attend CAC meetings, but will not vote. The role of the Board liaison as outlined in the CAC Charter is to:

- Contribute content knowledge and Board perspective at CAC meetings;
- Encourage participation and help create a civil, collaborative environment;
- Communicate committee recommendations and perspectives to the Board; and
- Participate as a non-voting member.

The 2020 Board liaison was Director Stephen Avis. Former Director Michael Winkler was the alternate CAC Board liaison.

STAFF RECOMMENDATION

Select the RCEA Board Chair and Vice Chair and authorize them as signers on RCEA bank accounts.

Appoint a Board Liaison, and an alternate liaison if desired, to the Community Advisory Committee to serve through January 2022.

ATTACHMENTS

None.



STAFF REPORT
Agenda Item # 1.2

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Matthew Marshall, Executive Director Richard Engel, Director of Power Resources
SUBJECT:	Board Subcommittee Review and Member Assignment

SUMMARY

The first Board meeting of the year presents an opportunity to review the Board's standing and ad hoc subcommittees and appoint members as needed. As part of any subcommittee discussion and review, the Board may choose to disband the body if it has completed its charter or is no longer needed.

Finance Subcommittee (standing)

In January 2019, the Board created a standing Finance Subcommittee to meet as needed to work with staff and advise the Board on matters relating to audit, finance and the budget. In 2020, this body met in June to review the following fiscal year's draft budget in detail.

The Board Finance Subcommittee is comprised of up to four (4) Board Directors. Current Finance Subcommittee members are Chair Chris Curran and Director Sheri Woo. Member terms are one year long ending on the first regular Board meeting of each year.

Offshore Wind Phase I Subcommittee (ad hoc)

This subcommittee was created by the Board in June 2018 to provide input and guidance to staff, bring recommendations to the Board, and engage with staff between regular Board meetings. This body is to disband after Phase I of the offshore wind project is complete (i.e. after securing project area site control from the Federal Bureau of Ocean Energy Management).

Up to four Board members may serve on this subcommittee. Of this subcommittee's members, only Sheri Woo remains on RCEA's Board.

Racial Justice Action Plan Subcommittee (ad hoc)

This subcommittee was formed in June 2020 to provide input to staff on a racial justice action plan to be brought back to the full Board for approval. The subcommittee will sunset after the proposed plan is approved by the Board.

The current subcommittee membership is:

- Stephen Avis
- Chris Curran
- David Grover
- Sheri Woo.

Long-Duration Storage Procurement Subcommittee (ad hoc)

Note: Staff presented information about this subcommittee's formation at the November 2020 Board meeting. The Board postponed this discussion until new Board members are seated.

Power procurement by public agencies such as community choice aggregators and municipal utilities is by necessity not an entirely transparent process. These entities participate in the same power markets as for-profit utilities and would find themselves at a disadvantage in procurement and contract negotiations if all pricing and other terms were made public. Consequently, the RCEA Board is typically given redacted versions of contracts for review and approval. Board members have asked staff to explore ways to provide greater Board-level visibility into the details of procurement costs and other contract terms.

To address this situation, staff proposes creation of an ad hoc Board committee whose members would have the opportunity to review an important joint procurement currently underway of long-duration energy storage by RCEA as part of a group of CCAs. The California Public Utilities Commission (CPUC) is encouraging load-serving entities (LSEs) including CCAs to plan for procurement of long-duration storage, defined in this instance as energy storage that can discharge continuously at its rated capacity for eight hours or more, as a means of ensuring grid reliability. RCEA and other LSEs included planned procurement of long-duration storage in their integrated resource plans filed with the CPUC in September 2020.¹

A request for offers (RFO) was issued by the joint CCAs in October 2020, and is available through Silicon Valley Clean Energy's website at: <https://www.svcleanenergy.org/joint-lds-rfo/>. Proposals were received by December 1, 2020 and are currently under first round review by the joint CCAs. The procurement schedule calls for short-listing of projects for contract negotiation by March 2, with contracts in place by July.

The participating CCAs are creating a "super joint powers authority" as a vehicle for this group procurement and other potential joint procurement efforts in the future. The Board approved RCEA's participation in the new California Community Power (CC Power) JPA in December 2020. Participation in this stage of the RFO or choosing to join the JPA does not obligate RCEA to any procurement decision. The attached fact sheet includes more information on the planned joint procurement.

The proposed RCEA ad hoc committee would meet with staff periodically to review offers received, including pricing and other confidential terms. The committee would be able to report back to the Board throughout the procurement process, without disclosing sensitive information but providing the assurance that select Board members are helping guide procurement decisions that best serve the interests of RCEA and its power customers.

Staff proposes that similar ad hoc committees could be formed for other power procurement RFOs in the future to enhance Board-level insight into the details of power costs on a regular basis.

¹ RCEA has contractual commitments to energy storage as part of its Redwood Coast Airport Microgrid project expected to come online later this year, and procurement of resource adequacy from the Tierra Buena energy storage project in Sutter County, scheduled to be online by summer 2022. These projects will be designed for four-hour storage and do not meet the definition of LDS used in the joint RFO described in this report.

RECOMMENDED ACTIONS

(Note: Decisions regarding ad hoc subcommittees do not require formal Board action or votes.)

Determine whether the standing Finance Subcommittee should continue its work.

Appoint up to four Directors to serve on the standing Finance Subcommittee for one-year terms ending on the first regular Board meeting of 2022.

Determine whether the Offshore Wind Phase I Subcommittee should continue its work and solicit up to four Director-volunteers to serve on the ad hoc Offshore Wind Phase I Subcommittee until project area site control is secured from the Federal Bureau of Ocean Energy Management.

Determine whether the Racial Justice Action Plan Subcommittee should continue its work and verify whether the current Directors would like to continue serving on the subcommittee.

Create an ad hoc committee for long-duration storage procurement review of up three Board members to serve on this committee until December 31, 2021, or until all contracts to which RCEA is a party resulting from the associated joint request for offers are executed, whichever comes first.

ATTACHMENTS

Long-Duration Storage Fact Sheet



LONG DURATION STORAGE

Joint Procurement with Eight Community Choice Aggregators

In fall 2020, eight Community Choice Aggregators (CCAs) issued a Request for Offers for 500 MW of long-duration storage (LDS). This is the largest known single procurement effort for this amount of LDS.

What is Long-Duration Storage?

LDS is an energy storage technology that can store and discharge energy for long periods of time. Typical storage technologies that many CCAs and other utilities have been procuring are utility-scale, lithium-ion batteries backed by solar resources which can store and discharge 4 hours of energy. LDS can be a variety of technology solutions that can go beyond 4 hours and does not have to be paired with a renewable resource such as solar but can be charged by the transmission grid. In this Request For Offers, the CCAs are seeking an LDS that has the ability to charge and discharge at a minimum of 8 hours. LDS is currently undefined by the California Public Utilities Commission (CPUC).

Example LDS Technologies

- Lithium-Ion
- Chemical Flow
- Compressed Air
- Pumped Storage Hydro
- Thermal Storage
- Gravity-Based
- Hydrogen Production
- Other Concepts

Why Long-Duration Storage?

LDS is one solution in maintaining grid reliability and resiliency as California transitions to a cleaner grid. As California pursues its 2045 carbon-free energy goal, and the CPUC's target to install LDS by 2026, as well as the clean energy goals for the nearly three million customers in the communities served by the joint CCAs, LDS provides the flexibility needed due to the intermittency of renewables.

For most of the year and particularly during the middle of the day, California produces an excess amount of renewable energy leading to the curtailment of clean power. When renewable energy is plentiful, LDS will take the excess energy and discharge power for longer periods of time when supply is low. LDS will be able to supply energy for longer stretches of time and give grid operators the flexibility of a full day's (8+ hours) worth of discharging capacity.

How does Long-Duration Storage help meet state goals?

LDS is just one component of energy storage that is pivotal in providing reliability to the power grid. The CCAs believe there will be a suite of solutions, in addition to all forms of storage, necessary for this transition to a clean grid.

The Joint CCAs are procuring LDS to aid in meeting California's greenhouse gas reduction targets by 2030 as outlined in the CPUC's 2021-2030 Integrated Resource Plan (IRP). The IRP identified LDS as a resource necessary to meet required GHG reductions by 2026. Additionally, because these are capital intensive projects that may take years to develop, the Joint CCAs wanted to get ahead of future procurement requirements with enough time.

Media

- [California Community Choice Aggregators Issue Request for Long-Duration Storage](#), *Joint Announcement*
- [The First Major Long-Duration Storage Procurement Has Arrived](#), *Greentech Media*
- [California Community Choice groups seek up to 500MW of long-duration energy storage](#), *Energy Storage News*
- [California community choice aggregators issue RFO for long-duration storage](#), *American Public Power Association*

Learn More: www.svcleanenergy.org/joint-lds-rfo

About Community Choice Aggregators

Community Choice Aggregators, or CCAs, are not-for-profit, public agencies providing competitively priced, clean energy choices to their communities while reinvesting revenues into local and statewide projects and programs, supporting sustainability, and enhancing their local economies. There are 23 CCAs in California serving more than 10 million customers.

Through CCA, communities can join together to pool (or aggregate) their electricity load in order to purchase clean energy and develop local projects and programs on behalf of their residents and businesses. CCAs work in partnership with the region's existing Investor-Owned Utility, which continues to deliver power and maintain the grid.

To date, CCAs have contracted for more than 5,000 megawatts of new clean generation capacity through long-term power purchase agreements with terms of 10 years or more. Learn more: cal-cca.org/cca-impact.



BOARD OF DIRECTORS MEETING DRAFT MINUTES

December 17, 2020 -Thursday, 3:30 p.m.

Notice of this meeting was posted on December 12, 2020. Vice Chair Estelle Fennell called a regular meeting of the Board of Directors of the Redwood Coast Energy Authority to order on the above date at 3:32 p.m., stating that the teleconference meeting was being conducted pursuant to Brown Act waivers included in Governor Newsom's COVID-19 State of Emergency Executive Order [N-29-20](#) of March 17, 2020, and the Humboldt County Health Officer's March 30, 2020, [Shelter-in-Place Order](#). Vice Chair Fennell stated that the posted agenda contained public teleconference meeting participation instructions.

PRESENT: Stephen Avis, Scott Bauer (arrived 3:34 p.m.), Chris Curran, Vice Chair Estelle Fennell, Sarah Schaefer, Frank Wilson, Sheri Woo. ABSENT: David Grover, Alternate Director Jeremy Stanfield. STAFF AND CONSULTANTS PRESENT: General Counsel Nancy Diamond, Power Resources Director Richard Engel, Executive Director Matthew Marshall, Account Services Manager Mahayla Slackerelli, Community Strategies Manager Nancy Stephenson, Board Clerk Lori Taketa.

REPORTS FROM MEMBER ENTITIES

Incoming Director Sarah Schaefer of Arcata was welcomed to her first meeting.

Director Sheri Woo reported that the Humboldt Bay Municipal Water District will begin salvage logging at the top of the Mad River watershed after the recent fires and is considering the potential of zoning the bottom as a critical municipal water supply watershed.

Director Scott Bauer joined the meeting at 3:34 p.m. and was welcomed by Vice Chair Fennell.

Vice Chair Fennell announced that this would be her last meeting, thanked everyone for their efforts and stated how important this agency's work is. Vice Chair Fennell noted for the new directors that the agency was entering a challenging period.

ORAL COMMUNICATIONS

Vice Chair Fennell invited public comment. No member of the public came forward to speak or submitted public comment. Vice Chair Fennell closed the public comment period.

CONSENT CALENDAR

3.1 Approve Minutes of November 19, Board Meeting.

3.2 Approve Disbursements Report.

3.3 Accept Financial Reports.

3.4 Reappoint Norman Bell, Catherine Gurin, Richard Johnson, Luna Latimer and Kit Mann to the Community Advisory Committee for Two-Year Terms Ending on April 11, 2023.

3.5 Approve Amendment No. 6 to Agreement for Employment of Executive Director with Matthew Marshall.

3.6 Accept the Risk Management Team Report of the Annual Review of the Energy Risk Management Policy.

3.7 Adopt Resolution 2020-9 of the Redwood Coast Energy Authority Approving and Authorizing Loan "A8" From the United States Department of Agriculture, Rural Utilities Service (RUS) For Construction of The Redwood Coast – Humboldt County Airport Front of the Meter Backup Energy Storage System Microgrid and Authorize the Executive Director to Execute, After Final Review and Approval by RCEA General Counsel, All Associated Loan "A8" Documents.

Authorize the Executive Director to Make Minor Non-Material Revisions to the Loan "A8" Documents Prior to Executing, Subject to Approval of the General Counsel, as Necessary.

Adopt Resolution 2020-10 of the Redwood Coast Energy Authority Approving and Authorizing Collateral in Connection with Loan "A8" From the United States Department of Agriculture, Rural Utilities Service (RUS) for Construction of the Redwood Coast – Humboldt County Airport Front of the Meter Backup Energy Storage System Microgrid.

Director Woo requested that item 3.7 be removed from the consent calendar.

Vice Chair Fennell invited public comment. No member of the public came forward to speak or submitted public comment. Vice Chair Fennell closed the public comment period.

M/S: Avis, Woo: Approve all consent calendar items except item 3.7.

The motion passed with a unanimous roll call vote. Ayes: Avis, Bauer, Curran, Fennell, Schaefer, Wilson, Woo. Noes: None. Absent: Grover, Stanfield.

REMOVED FROM CONSENT CALENDAR ITEMS

Director Woo requested information on item 3.7 due to the large loan amount and to familiarize the new Board members with the airport microgrid project. Executive Director Marshall described the USDA loan which would finance roughly half of the airport solar microgrid project. The project's large solar array and battery storage system is the first front-of-the-meter microgrid in PG&E's service area and is drawing interest from around the

country and from Silicon Valley companies that are usually at the forefront of innovation. Because the system capacity exceeds the airport and Coast Guard station's demands, the microgrid can power those facilities almost indefinitely when islanded from the greater grid during power outages.

Vice Chair Fennell invited public comment. No member of the public came forward to speak or submitted public comment. Vice Chair Fennell closed the public comment period.

M/S: Woo, Avis: Approve consent calendar item 3.7.

The motion passed with a unanimous roll call vote. Ayes: Avis, Bauer, Curran, Fennell, Schaefer, Wilson, Woo. Noes: None. Absent: Grover, Stanfield.

COMMUNITY CHOICE ENERGY (CCE) BUSINESS

Vice Chair Fennell confirmed that a quorum was present to conduct CCE business.

OLD CCE BUSINESS

5.1. CCE Customer Rate Setting for 2021

Account Services Manager Mahayla Slackerelli reported potential implementation timings for the rate discount decrease relative to PG&E's generation rates that the Board approved at its November 2020 meeting. Staff proposed spacing the rate change implementation to avoid billing confusion. RCEA's generation rates will remain lower than PG&E rates, however PG&E's anticipated rate decrease and simultaneous exit fee and transmission and distribution bill increases will likely result in increases to most customer bills.

The directors voiced suspicions that PG&E's generation rate decreases were aimed at eliminating CCE competition and stated that PG&E's deferment of infrastructure improvements to pay shareholder dividends resulted in disastrous wildfires followed by transmission and distribution rate increases to be borne by PG&E and CCE customers. The directors anticipated customer frustration resulting from upcoming bill changes and requested concerted, simple-to-understand outreach illustrating through graphics or video how payments to RCEA go toward the airport microgrid, offshore wind development and other projects to build local energy infrastructure and resilience, while PG&E profits are directed toward shareholders. Staff also requested support from the Board to communicate this message to residents.

Vice Chair Fennell invited public comment. Demand-Side Management Director Stephen Kullmann stated that through RCEA's CCE program, local ratepayers have helped bring energy efficiency improvements, solar energy and battery storage systems to schools, fire stations, local agencies and wastewater treatment plants. RCEA Administrative Specialist Meredith Morehead described the nature of customer calls and interactions regarding their bills. The directors commended Ms. Morehead for being an easy-to-reach, friendly, local contact for customers who want to know how to read their bills and how RCEA's Community Choice Energy program works. Community Strategies Manager Nancy Stephenson informed

the Board that the North Coast Journal will publish an insert describing RCEA's local energy programs in the coming weeks. Vice Chair Fennell closed the public comment period.

M/S: Avis, Curran: Approve changing the RCEA customer electricity rates to 0.5% below PG&E generation rates, inclusive of all PG&E charges to CCA customers, to be implemented no sooner than 60 days from this meeting's agenda publication date of December 12, 2020.

The motion passed with a unanimous roll call vote. Ayes: Avis, Bauer, Curran, Fennell, Schaefer, Wilson. Noes: None. Absent: Grover, Stanfield. Non-Voting: Woo.

END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

OLD BUSINESS

7.1. Update on DG Fairhaven Biomass Power Purchase Agreement

Director Woo recused herself at 4:25 p.m. due to a remote conflict of interest. DG Fairhaven is a client of Director Woo's employer, SHN. Director Woo is a minority SHN shareholder and does not supervise any SHN employee working with DG Fairhaven.

Power Resources Director Richard Engel reported that since the agenda's publication, the DG Fairhaven biomass plant owner EWP Renewable Corporation notified RCEA that it is no longer interested in extending its power purchase agreement which ends at the end of December 2020 and no Board action is being requested at this time. The company had previously requested a contract extension to facilitate the plant's sale.

Director Engel reported that it is seeming unlikely that any future owner would use the existing plant's equipment for direction combustion biomass power production, however the facility's existing substation grid interconnection could potentially save a developer from going through a lengthy CAISO grid interconnection process. Following queries from Board directors at the November meeting, staff found that Humboldt Redwood Company (HRC) is interested in providing RCEA with some of the power for which the DG Fairhaven plant was contracted to provide. Staff will bring any proposed revisions to RCEA's power purchase agreement with HRC to the Board for consideration.

Vice Chair Fennell invited public comment. No member of the public came forward to speak or submitted public comment. Vice Chair Fennell closed the public comment period.

Director Woo returned to the meeting at 4:40 p.m.

NEW BUSINESS

8.1. California Community Power Super JPA Agreement

Power Resources Director Engel described community choice aggregator (CCA) efforts to jointly procure long-duration energy storage in anticipation of CPUC requirements to do so. Long-duration storage, defined as storage which can discharge at peak rate for at least eight

hours, as opposed to current storage technology which typically lasts four hours, is a new technology which will require capitalization at a scale formerly achievable only by large investor-owned utilities. CCAs that pool resources would be able to compete to procure these mandated resources that the CPUC will be seeking to ensure grid stability when solar electricity production ends around sunset.

General Counsel Nancy Diamond described the joint powers agency structure that would allow the CCAs to pool resources to procure storage and power from large projects involving new technology such as offshore wind. The JPA operating expenses would be minimal and scaled to the participating CCA's size. RCEA's annual administrative cost payment is expected to be within Executive Director Marshall's spending authorization limit, or under \$20,000. CCAs can choose whether to participate in any joint procurement and can withdraw from the JPA at any time. Liability will be limited to the JPA and will not extend to RCEA or its member agencies. All power purchase agreements will be brought to the Board for separate consideration.

Vice Chair Fennell invited public comment. No member of the public came forward to speak or submitted public comment. Vice Chair Fennell closed the public comment period.

M/S: Woo, Avis: Approve Resolution No. 2020-11, Approving the California Community Power Agency Joint Powers Agreement and Authorizing the Executive Director to Execute the Agreement.

The motion passed with a unanimous roll call vote. Ayes: Avis, Bauer, Curran, Fennell, Schaefer, Wilson, Woo. Noes: None. Absent: Grover, Stanfield.

General Counsel Nancy Diamond commended Executive Director Matthew Marshall on his selection as 2021 President of the California Community Choice Association (CalCCA) Board of Directors. Mr. Marshall thanked the Board for their leadership and good governance.

The directors thanked Vice Chair Fennell for her considerable efforts to establish RCEA's Community Choice Energy program and for her service as a Humboldt County Supervisor. Vice Chair Fennell thanked the Board and staff and wished everyone well.

There being no new information to consider in closed session Vice Chair Fennell adjourned the meeting at 5:12 p.m.

Lori Taketa
Clerk of the Board

Redwood Coast Energy Authority
Disbursements Report
As of November 30, 2020

Type	Date	Num	Name	Memo	Amount
Liability Check	11/09/2020	ACH	Newport Group	Deferred comp contributions	-11,724.11
Liability Check	11/10/2020	ACH	Newport Group	Deferred comp contributions - 9/25/20	-11,713.56
Liability Check	11/10/2020	E-pay	EDD	Taxes	-4,466.74
Liability Check	11/10/2020	E-pay	Internal Revenue Service	Taxes	-21,621.80
Liability Check	11/10/2020	E-pay	EDD	Taxes	-28.49
Bill Pmt -Check	11/10/2020	11343	Brant Electric	Rio Dell EV Station Repairs	-1,792.97
Bill Pmt -Check	11/10/2020	11344	Advanced Security	Security monitoring: Nov-Jan 2021	-124.50
Bill Pmt -Check	11/10/2020	11345	AM Conservation	LED Stock	-188.19
Bill Pmt -Check	11/10/2020	11346	Broadway Animal Hospital	Broadway Animal Hospital self-install rebate/Audit €	-352.34
Bill Pmt -Check	11/10/2020	11347	Chargepoint	Fortuna bollards, cloud plan, etc.	-5,133.00
Bill Pmt -Check	11/10/2020	11348	City of Arcata	Oct Excessive Energy Use Tax	-4,071.70
Bill Pmt -Check	11/10/2020	11349	Diamond, Nancy	Legal services: October	-9,933.10
Bill Pmt -Check	11/10/2020	11350	Donald Dame	Professional Services - Oct 2020	-262.50
Bill Pmt -Check	11/10/2020	11351	Frontier Energy, Inc.	Professional Services - Program Support	-7,375.00
Bill Pmt -Check	11/10/2020	11352	HireRight	Background Check: new hires	-83.91
Bill Pmt -Check	11/10/2020	11353	Mattole Unified School District	LED Buy Down	-232.00
Bill Pmt -Check	11/10/2020	11354	Mission Uniform & Linen	Oct mat service, janitorial supplies	-7.57
Bill Pmt -Check	11/10/2020	11355	Munnell & Sherill	Munnell & Sherrill self-install rebate/Audit 6040.	-10.22
Bill Pmt -Check	11/10/2020	11356	Newport Group	Participant Fees for Retirement Plan	-812.50
Bill Pmt -Check	11/10/2020	11357	PG&E Utility Account	9/21-10/21/20 utilities	-482.43
Bill Pmt -Check	11/10/2020	11358	Pierson's Home Ctr	Pierson's self-install rebate/Audit 6148.	-672.74
Bill Pmt -Check	11/10/2020	11359	Ray Morgan Company	Printer Charges: 10/6-11/5/20	-22.78
Bill Pmt -Check	11/10/2020	11360	Recology	Sep/Oct garbage service	-183.42
Bill Pmt -Check	11/10/2020	11361	SDRMA Medical	Dec 2020 Premium	-26,890.26
Bill Pmt -Check	11/10/2020	11362	Times-Standard	Advertising: Eureka Chamber	-199.00
Bill Pmt -Check	11/10/2020	11363	Vern's Furniture	Energy rebates	-315.76
Bill Pmt -Check	11/10/2020	11364	City of Arcata	Oct Utility User Tax	-9,066.69
Bill Pmt -Check	11/10/2020	11365	Eureka Natural Foods	ENF self-install rebate/Audit 5993	-57.73
Bill Pmt -Check	11/10/2020	11366	VISA	Oct statement 9/19-10/21/20	-3,464.35
Check	11/10/2020	11367-75	NEM Customers	Account Close Out payments	-1,153.84
Paycheck	11/10/2020	ACH	Employees	Payroll 11/10/20	-53,316.60
Liability Check	11/23/2020	E-pay	EDD	Taxes	-4,263.24
Liability Check	11/23/2020	E-pay	Internal Revenue Service	Taxes	-20,844.56
Liability Check	11/23/2020	E-pay	EDD	Taxes	-32.49
Liability Check	11/23/2020	ACH	Newport Group	Deferred Comp contributions	-11,273.24
Bill Pmt -Check	11/24/2020	ACH	CalPine Corporation	Calpine October 2020 Costs	-73,436.70
Bill Pmt -Check	11/25/2020	11376	Arcata Technology Center	Site Host Reimbursement 7/1-9/30/20	-453.23
Bill Pmt -Check	11/25/2020	11377	Blue Lake Rancheria	Site Host Reimbursement 7/1-9/30/20	-51.53
Bill Pmt -Check	11/25/2020	11378	City of Arcata	Site Host Reimbursement 7/1-9/30/20	-197.99
Bill Pmt -Check	11/25/2020	11379	City of Blue Lake	Site Host Reimbursement 7/1-9/30/20	-95.34
Bill Pmt -Check	11/25/2020	11380	City of Eureka - REVNet	Site Host Reimbursement 7/1-9/30/20	-314.25
Bill Pmt -Check	11/25/2020	11381	City of Trinidad	Site Host Reimbursement 7/1-9/30/20	-394.00
Bill Pmt -Check	11/25/2020	11382	GHD	Site Host Reimbursement 7/1-9/30/20	-81.71
Bill Pmt -Check	11/25/2020	11383	North Coast Unified Air Quality	Site Host Reimbursement 7/1-9/30/20	-486.86
Bill Pmt -Check	11/25/2020	11384	Open Door	Site Host Reimbursement 7/1-9/30/20	-76.04
Bill Pmt -Check	11/25/2020	11385	St. Joseph Hospital	Site Host Reimbursement 7/1-9/30/20	-242.79
Liability Check	11/25/2020	11386	Calvert	Deferred Comp contributions	-587.96
Liability Check	11/25/2020	11387	Umpqua Bank	Deferred Comp contributions	-806.14
Bill Pmt -Check	11/25/2020	11388	Boutin Jones	Legal services: October	-412.94
Bill Pmt -Check	11/25/2020	11389	CA Air Resources Board	AB 32 Cost of Implementation Fee	-139.00
Bill Pmt -Check	11/25/2020	11390	CA Secretary of State	2003 JPA filing form copies	-14.11

Redwood Coast Energy Authority
Disbursements Report
As of November 30, 2020

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	11/25/2020	11391	CoPower	December premium - vision	-353.20
Bill Pmt -Check	11/25/2020	11392	Michael Furniss	Consulting services 8/23-10/31/20	-32,700.00
Bill Pmt -Check	11/25/2020	11393	Mission Uniform & Linen	Janitorial supplies	-15.14
Bill Pmt -Check	11/25/2020	11394	NYLEX.net, Inc.	Onsite network support services - December	-3,200.00
Bill Pmt -Check	11/25/2020	11395	PG&E CCA	September CCE Charges	-22,160.39
Bill Pmt -Check	11/25/2020	11396	Pisenti & Brinker	Auditing services - FY 18/19	-19,200.00
Bill Pmt -Check	11/25/2020	11397	SDRMA Dental	December Premium	-1,705.60
Bill Pmt -Check	11/25/2020	11398	Times Printing Company	Mailings	-1,403.56
Bill Pmt -Check	11/25/2020	11399	Winzler, John	Office Lease - December	-6,512.00
Paycheck	11/25/2020	ACH	Employees	Payroll 11/25/20	-51,574.26
TOTAL					<u>-428,788.07</u>

Redwood Coast Energy Authority
Profit & Loss Budget vs. Actual
July through November 2020

	<u>Jul - Nov 20</u>	<u>Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense			
Income			
5 REVENUE EARNED			
Total 5000 · Revenue - government agencies	13,375.00	737,317.00	1.81%
Total 5100 · Revenue - program related sales	4,822.28	9,000.00	53.58%
Total 5400 · Revenue-nongovernment agencies	284,242.03	1,556,600.00	18.26%
Total 5500 · Revenue - Electricity Sales	21,921,809.00	41,763,500.00	52.49%
Total 5 REVENUE EARNED	<u>22,224,248.31</u>	<u>44,066,417.00</u>	<u>50.43%</u>
Total Income	<u>22,224,248.31</u>	<u>44,066,417.00</u>	<u>50.43%</u>
Gross Profit	22,224,248.31	44,066,417.00	50.43%
Expense			
Total 6 WHOLESALE POWER SUPPLY	16,922,797.27	36,074,000.00	46.91%
Total 7 PERSONNEL EXPENSES	1,071,103.85	2,838,644.00	37.73%
Total 8.1 FACILITIES AND OPERATIONS	336,222.16	6,606,484.00	5.09%
Total 8.2 COMMUNICATIONS AND OUTREACH	30,311.02	114,000.00	26.59%
8.3 TRAVEL AND MEETINGS	0.00	18,450.00	0.0%
8.4 PROFESSIONAL & PROGRAM SRVS			
8400 · Regulatory	89,019.33	120,000.00	74.18%
8410 · Contracts - Program Related Ser	86,670.25	406,000.00	21.35%
8420 · Accounting	19,200.00	75,000.00	25.6%
8430 · Legal	55,211.04	125,000.00	44.17%
8450 · Wholesale Services - TEA	257,244.35	620,500.00	41.46%
8460 · Procurement Credit - TEA	277,543.59	650,500.00	42.67%
8470 · Data Management - Calpine	367,330.70	913,450.00	40.21%
Total 8.4 PROFESSIONAL & PROGRAM SRVS	<u>1,152,219.26</u>	<u>2,910,450.00</u>	<u>39.59%</u>
Total 8.5 PROGRAM EXPENSES	200,730.01	627,550.00	31.99%
Total 8.6 INCENTIVES & REBATES	12,527.63	601,000.00	2.08%
Total 9 NON OPERATING COSTS	<u>22,853.75</u>	<u>35,500.00</u>	<u>64.38%</u>
Total Expense	<u>19,748,764.95</u>	<u>49,826,078.00</u>	<u>39.64%</u>
Net Ordinary Income	<u>2,475,483.36</u>	<u>-5,759,661.00</u>	<u>-42.98%</u>
Net Other Income	0.00	6,000,000.00	0.0%
Net Income	<u>2,475,483.36</u>	<u>240,339.00</u>	<u>1,030.0%</u>

Redwood Coast Energy Authority

Balance Sheet

As of November 30, 2020

	Nov 30, 20
ASSETS	
Current Assets	
Checking/Savings	
1010 · Petty Cash	493.22
1050 · GRANTS & DONATIONS 3840	15,204.58
1060 · Umpqua Checking Acct 0560	1,129,887.07
1071 · Umpqua Deposit Cntrol Acct 8215	9,247,525.07
1075 · Umpqua Reserve Account 2300	2,000,000.00
8413 · COUNTY TREASURY 3839	5,065.52
Total Checking/Savings	12,398,175.46
Total Accounts Receivable	204,720.34
Other Current Assets	
1101 · Allowance for Doubtful Accounts	-904,077.08
1103 · Accounts Receivable-Other	9,487,497.11
1120 · Inventory Asset	21,715.00
1202 · Prepaid Expenses	-52,698.59
1210 · Retentions Receivable	1,001.00
1499 · Undeposited Funds	1,377.00
Total Other Current Assets	8,554,814.44
Total Current Assets	21,157,710.24
Total Fixed Assets	151,725.39
Other Assets	
1700 · Retained Deposits	2,095,380.00
Total Other Assets	2,095,380.00
TOTAL ASSETS	23,404,815.63
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Total Accounts Payable	5,016,224.82
Total Credit Cards	-2,986.71
Other Current Liabilities	
2013 · Unearned Revenue - PA 2020-2023	1,827,997.00
Total 2100 · Payroll Liabilities	119,346.19
Total Other Current Liabilities	1,947,343.19
Total Current Liabilities	6,960,581.30
Total Long Term Liabilities	0.00
Total Liabilities	6,960,581.30
Equity	
2320 · Investment in Capital Assets	151,725.38
3900 · Fund Balance	13,817,025.59
Net Income	2,475,483.36
Total Equity	16,444,234.33
TOTAL LIABILITIES & EQUITY	23,404,815.63



REDWOOD COAST Energy Authority

STAFF REPORT Agenda Item # 4.4

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Lori Taketa, Clerk of the Board
SUBJECT:	2021 Board Meeting Calendar

SUMMARY

In November 2018, the RCEA Board agreed to meet on the fourth Thursday of each month at 3:30 p.m. The attached proposed 2021 meeting calendar follows this meeting schedule. The proposed November and December 2021 meetings are on the third Thursdays to adjust for holidays.

STAFF RECOMMENDATION

Approve the 2021 RCEA Board of Directors meeting calendar.

ATTACHMENT:

- Proposed 2021 RCEA Board of Directors meeting calendar

Redwood Coast Energy Authority

Board of Directors

PROPOSED 2021 REGULAR MEETING SCHEDULE

Meetings begin at 3:30 p.m.

February 25	(4 th Thursday)
March 25	(4 th Thursday)
April 22	(4 th Thursday)
May 27	(4 th Thursday)
June 24	(4 th Thursday)
July 22	(4 th Thursday)
August 26	(4 th Thursday)
September 23	(4 th Thursday)
October 28	(4 th Thursday)
November 18	(<u>3rd</u> Thursday)
December 16	(<u>3rd</u> Thursday)
January 27, 2022	(4 th Thursday)



REDWOOD COAST Energy Authority

STAFF REPORT Agenda Item # 4.5

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Mahayla Slackerelli, Account Services Manager
SUBJECT:	Board Weighted Voting Revision

SUMMARY

RCEA's Joint Powers Agreement (JPA) establishes a weighted voting protocol for community choice energy matters on the agenda requiring a Board vote. Vote weighting is based on the number of electric accounts in each voting member's jurisdiction. The original weighting adopted by the Board was calculated based on the number of electric accounts in December 2014. It was last adjusted in January 2019. The JPA calls for this weighting to be updated every two years. The adjustment before the Board now is based on customer counts as of December 15, 2020.

The attached table shows the previous distribution and the recalculation. There was no change in the distribution of the 100 weighted votes.

FINANCIAL IMPACTS

The redistribution of weighted voting is an administrative change with no direct financial impacts.

RECOMMENDED ACTIONS

Approve updated and unchanged Community Choice Energy weighted Board vote distribution.

ATTACHMENTS

Updated Weighted Voting Table

**Redwood Coast Energy Authority Joint Powers Agreement
Board Voting Shares for Community Choice Aggregation Business**

Updated January 2021

Jurisdiction	Electric Customer Accounts	Percentage of Total Accounts (Jurisdiction's Accounts Divided by Total Accounts)	Customer Base Voting Share (67 x ratio of accounts)	Pro Rata Voting Share (33 x [1/number of Directors])	Total Votes, Prior to Rounding	TOTAL VOTES	PRIOR VOTES
City of Arcata	8,452	13.41%	8.98	4.125	13.11	13	13
City of Blue Lake	637	1.01%	0.68	4.125	4.80	5	5
City of Eureka	13,134	20.83%	13.96	4.125	18.08	18	18
City of Ferndale	874	1.39%	0.93	4.125	5.05	5	5
City of Fortuna	5,265	8.35%	5.59	4.125	9.72	10	10
City of Rio Dell	1,485	2.36%	1.58	4.125	5.70	6	6
City of Trinidad	263	0.42%	0.28	4.125	4.40	4	4
County of Humboldt (unincorporated)	32,941	52.25%	35.00	4.125	39.13	39	39
Total	63,051	100%	67	33	100	100	100

- Due to rounding, totals will differ at various stages of the calculation process.
- The percentages of total accounts are rounded to two decimal places prior to calculating the Customer Base Voting Share.
- Customer Base Voting Share = 67 multiplied by the % of total accounts, rounded to two decimal places.
- Total votes are the sum of the Pro Rata Voting Share and the Customer Base Voting Share, rounded to the nearest whole number.
- The allocation of voting shares will be updated every two years, and as-needed to adjust for changes in the make-up of jurisdictions participating in the CCA.



REDWOOD COAST Energy Authority

STAFF REPORT Agenda Item # 4.6

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Lori Biondini, Director of Business Planning & Finance
SUBJECT:	Calpine Energy Solutions Data Management Services Contract Extension

SUMMARY

In October 2016, RCEA contracted with Noble Americas Energy Solutions LLC (Noble) for data management/back office, customer information, and call center services. Noble was part of the core team engaged to provide services for RCEA's community choice energy (CCE) program in addition to The Energy Authority and LEAN Energy US. The team responded to RCEA's request for proposals and were chosen to support core program development and operation tasks through the CCE launch period of five years. Noble was subsequently sold to Calpine Corporation, which retained the employees and services of Noble but changed the company name to Calpine Energy Solutions (Calpine). In 2018 Calpine began providing Peak Day Pricing alert services for RCEA through a contract addendum.

The existing agreement with Calpine ends on April 1, 2021, and staff has considered options for continuing these critical services without undue disruption to the CCE program. Staff evaluated the options of 1) negotiating a contract extension with Calpine, or 2) issuing a new request for proposals for data management/back office services and negotiating an agreement with the chosen respondent. Staff recommends moving forward with negotiating an extension to the current agreement with Calpine for the reasons outlined below.

RCEA has had a very positive experience working with Calpine which has consistently demonstrated accurate billing and rate updates for RCEA and its customers, responsive communications with our banking institution and with customers through the Calpine call center, and a willingness to adapt their services to the growing needs of the CCE program, as shown by the Peak Day Pricing pilot. Switching from one provider to another would require an enormous amount of staff time to plan and support a conversion to a new customer relationship management software and be trained on new systems and processes, and would also create the risk of disruptions to the timeliness and accuracy of customer transactions during the transition. However, staff wanted to be confident that RCEA would be receiving the best value by continuing to work with Calpine and therefore inquired with other community choice aggregators (CCAs) about their back office service provider relationships.

Other CCAs report that no operating CCA has chosen to switch data management service providers, likely for the above reasons and because there are few options. Calpine began serving CCAs in 2011 and now serves the majority of CCAs, working with at least 19 of the California CCAs. Two other providers, Sacramento Municipal Utility District (SMUD) and GridX, have entered the data management services market more recently and each serve at least one CCA. The University of California has unique back office needs (they don't serve any customer besides their own facilities) and uses a third alternative, EDMS. Staff inquired to SMUD and GridX about their services and associated pricing and were able to receive very high-level cost quotes. Meanwhile, in anticipation of

the agreement term ending, Calpine has also provided RCEA with their proposed costs and terms of a possible extension.

After reviewing how other CCAs have approached selecting and maintaining data management service providers (including the outcome of CCAs' recent competitive solicitations for these services) , the resulting cost quotes from SMUD and GridX, and updated pricing from Calpine, staff believes that Calpine continues to offer RCEA the best value. The information gathered is not compelling enough to warrant the significant disruption and investment of staff resources needed to change providers; the pricing offered by competitors is not significantly lower for similar service levels. Calpine remains competitive in their pricing and dedicated to the specific needs of CCAs.

FINANCIAL IMPACTS

An updated agreement with Calpine will likely result in savings compared to current costs with no loss of service quality. The exact negotiated terms of the new agreement would be brought back to the Board for approval in February or March 2021.

RECOMMENDED ACTION

Authorize Staff and General Counsel to negotiate a contract extension with Calpine Energy Solutions for data management services for up to five years and bring the agreement to the Board for final approval prior to execution.



STAFF REPORT
Agenda Item # 4.7

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Matthew Marshall, Executive Director Nancy Diamond, General Counsel
SUBJECT:	Offshore Wind Cooperation Agreement Amendment

BACKGROUND

Prior to the launch of RCEA's Community Choice Energy (CCE) program, in 2016 the Board adopted Guidelines for the CCE Program's Launch Period Strategy and Targets after a series of community input-gathering workshops. The resulting guidelines lay out power portfolio goals for near- and long-term local renewable energy generation, including the development of offshore wind energy.

In pursuit of that objective, in 2018 RCEA issued a request for qualifications to seek project partners to provide the needed technical and financial resources to develop the local offshore wind resource while maintaining a local stake in planning and potential development off the Humboldt County coastline. That resulted in the Board's selection of a consortium of companies with which RCEA would pursue joint development of a local offshore wind energy project through a public-private partnership, and in November of 2018 RCEA entered into a cooperation agreement with Aker Solutions, EDPR Offshore North America, and Principle Power.

This cooperation agreement was structured to be an initial step in laying the foundation for future agreements. Specifically, the cooperation agreement outlines that during phase 1 (pre-lease) RCEA's project partners will establish a project company, Redwood Coast Offshore Wind, LLC, that will be the entity that will develop, own, and operate the wind farm. The cooperation agreement is intended to ultimately be replaced by a subsequent public-private partnership agreement between RCEA and Redwood Coast Offshore Wind, LLC that will govern the joint implementation of the offshore wind project through the full development, operation, and decommissioning phases of the project.

SUMMARY

RCEA's project partners are in the final stages of setting up Redwood Coast Offshore Wind, LLC, and staff plans to bring the proposed public private partnership agreement to the RCEA Board for consideration later this year. However, in the interim it is necessary to extend the current cooperation agreement since it is set to expire on January 31, 2021. Attached for consideration is a draft amendment to the cooperation agreement that addresses the following needed updates:

- RCEA's project partners have restructured their global and U.S. offshore wind endeavors into purpose-specific business entities, with Aker Solutions spinning off Aker Offshore Winds as a new company and EDPR Offshore North America transitioning to Ocean Winds North America. The agreement amendment reflects these transitions.

- In 2018 RCEA submitted a request for an offshore wind development lease to the Bureau of Ocean Energy Management (BOEM), which manages the renewable energy development lease process for federal waters. This 2018 lease request was submitted on behalf of RCEA and its development partners with the expectation that by the end of 2020 either the lease would be awarded or there would alternatively be a competitive BOEM lease auction for an area off the Humboldt coastline. In late 2018 BOEM determined that they would proceed with their standard lease auction process, but delays with that process have continued to the present (though there is an expectation that the lease auction may finally proceed in 2021).

Based on the anticipated timeline in 2018, section 16.2 (c) of the cooperation agreement established that the agreement would expire if a lease was not awarded to RCEA, RCEA's private partners, or the project company by January 31, 2021. The intent has been for the lease, if secured, to ultimately be held by the project company, Redwood Coast Offshore Wind, LLC. Since RCEA's unsolicited lease requested has been subsumed by the competitive BOEM auction process and there has been sufficient time for RCEA's partners to establish the new project company, the proposed amendment updates section 16.2 (c) as follows to reflect that the project company will be the entity that participates in the BOEM auction along with extending the timeline for the auction to occur:

16.2 (c) the Lease is not awarded to ~~RCEA, the Consortium or the Project Company~~ by January 31, ~~2021~~ 2022.

In addition to addressing the above updates, the amendment also acknowledges that the original preliminary timeline for the project included for reference in the agreement needs to be updated when there is more clarity around the BOEM auction timeline.

RECOMMENDED ACTION

Approve Offshore Wind Cooperation Agreement Amendment No. 2 and Authorize the Executive Director to Execute the Amendment and All Associated Documents as Necessary, Contingent on Final Review and Approval by RCEA Legal Counsel.

ATTACHMENTS

1. Draft Offshore Wind Cooperation Agreement Amendment No. 2

SECOND AMENDMENT
TO THE
COOPERATION AGREEMENT

This Second Amendment to the Cooperation Agreement (this “**Second Amendment**”), dated as of January __, 2021, is to that certain Cooperation Agreement by and among Aker Solutions Inc. (“**ASI**”), OW North America LLC (formerly known as EDPR Offshore North America LLC) (“**OW**” and together with ASI, the “**Consortium**”), and Redwood Coast Energy Authority (“**RCEA**” and collectively with ASI and OW, the “**Parties**” and each individually a “**Party**”), dated November 1, 2018 (the “**Cooperation Agreement**”).

WHEREAS, on 19 December 2019, the First Amendment to the Cooperation Agreement was executed resulting in the removal of Principle Power, Inc as a party to the Cooperation Agreement.

WHEREAS pursuant to Section 5.1 of the Cooperation Agreement, the Parties agreed that as soon as reasonably practicable after the Effective Date (as defined in the Cooperation Agreement), the Consortium would create a special purpose vehicle (the “**Project Company**”) with its sole purpose being the development of an approximately 100MW to 150MW floating offshore wind energy project off of the coast of Humboldt County, California (the “**Project**”);

WHEREAS, since the execution of the Cooperation Agreement, the Consortium has been working in good faith towards forming the Project Company and established the Project Company on or about November 17, 2020;

WHEREAS, the Parties anticipated that a lease auction for the Project (“**Auction**”) would be launched prior to the end of the year 2020;

WHEREAS, as of the date of this Second Amendment, the Auction has not occurred and no firm schedule has been provided by BOEM for its occurrence;

WHEREAS, pursuant to Section 16 of the Cooperation Agreement, the Cooperation is set to expire on January 31, 2021;

WHEREAS, the current Parties desire that the Cooperation Agreement does not expire in accordance with its existing terms;

WHEREAS, OW and ASI have undergone separate corporate restructurings that have resulted in either changes in the names of the relevant Parties and/or substitution of Parties with successor entities.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

AMENDMENTS

1. Definitions.

- a. The definition of “Party” and “Parties” in the Preamble is hereby deleted in its entirety. The following definition of “Party” and “Parties” shall be added to Section 1 – Definitions:

“Party” shall mean each of RCEA, OW North America LLC (“OW”) and Aker Offshore Wind USA LLC (“AOW”), and collectively, the “Parties.”

- b. The definition of “Consortium” in Section 1 of the Cooperation Agreement is hereby deleted in its entirety and replaced with the following:

“Consortium” means OW and AOW, collectively.

2. Assignment of Cooperation Agreement by Aker Solutions Inc.

Through a transaction occurring on or about July 17, 2020, Aker Solutions spun its offshore wind business out and into a new company, Aker Offshore Wind. As a result, the rights and obligations of Aker Solutions Inc. in the Cooperation Agreement were assigned to Aker Offshore Wind USA LLC. Therefore, Aker Offshore Wind USA LLC, a limited liability company organized under the laws of Delaware whose principal office is at 2103 City West Blvd., Suite 800, Houston, Texas 77042 has replaced Aker Solutions Inc. as a Party to the Cooperation Agreement.

3. Term and Termination.

Section 16.2 (c) of the Cooperation Agreement shall be deleted in its entirety and replaced with the following:

“(c) the Lease is not awarded to the Project Company by December 31, 2022;”

4. Appendix B.

The Parties recognize that the target dates listed in Appendix B are not achievable due to a delay by BOEM in issuing the BOEM Lease. The Parties agree to revise these dates as more information regarding the BOEM Lease becomes available.

MISCELLANEOUS

Entire Agreement. Except as expressly amended hereby, all of the provisions of the Cooperation Agreement shall continue to be and shall remain in full force and effect in accordance with their terms.

Interpretation. This Second Amendment shall be construed as supplementing and forming part of the Cooperation Agreement and shall be read accordingly.

Governing Law. This Second Amendment shall be construed in accordance with and governed by the laws of the State of California without regard to the conflicts of laws provisions thereof.

Severability. The Parties acknowledge and agree that this document shall not be construed in favor of or against any one of the Parties. If at any time any one or more of the provisions hereof is or becomes illegal, invalid or unenforceable in any respect under the applicable law of any jurisdiction, neither the legality, validity, or enforceability of the remaining provisions hereof, or the legality, validity, or enforceability under the applicable law of any other jurisdiction, shall in any way be affected or impaired thereby.

Effectiveness. This Second Amendment shall become effective as of the date written above.

Counterparts. This Second Amendment may be executed in counterparts, each of which will be considered an original, but all of which will constitute one and the same agreement. Facsimile and portable document format (pdf) signatures shall be binding as if an original.

[Signature Page Follows]

IN WITNESS WHEREOF, the Parties have caused this Second Amendment to be duly executed as of the date first written above.

AKER OFFSHORE WIND USA LLC

By: _____

Name: _____

Title: _____

OW NORTH AMERICA LLC

By: _____

Name: _____

Title: _____

REDWOOD COAST ENERGY AUTHORITY

By: _____

Name: _____

Title: _____



STAFF REPORT
Agenda Item # 6.1

AGENDA DATE:	January 28, 2021
TO:	Board of Directors
PREPARED BY:	Mahayla Slackerelli, Account Services Manager
SUBJECT:	2021 CCE Customer Rate Setting Update

SUMMARY

At the December Board meeting, staff presented two possible outcomes for customer rate setting in early 2021 depending on when PG&E adjusted their rates. PG&E changed rates, including their generation rates, on January 1, 2021. Staff responded by adjusting RCEA's rates to maintain the current 1% discount from PG&E's generation rate. Those adjusted rates were implemented January 21 (see attached rate sheets).

RCEA's rates are a function of PG&E's generation rates, RCEA's Board adopted discount to PG&E and fees specific to CCE customers.

RCEA generation rates + PG&E's CCE customer fees = PG&E generation rates – 1% discount.

RCEA takes those customer fees into account, setting rates so that *customers do better with RCEA than with PG&E even when those fees are included*. Chief among the fees levied on CCE customers is the power charge indifference adjustment (PCIA). This fee on customers leaving PG&E's generation service is intended to pay for exiting customers' portion of above-market contracts, which PG&E previously entered into on their behalf, keeping PG&E's remaining generation customers from having to pay for those expensive legacy contracts alone.

The PCIA has increased significantly since RCEA launched the CCE program in 2017. The January 2021 PG&E rate change included a large increase to the PCIA. In order to compensate for the increase to the PCIA, RCEA proportionally reduced rates to stay competitive with PG&E's generation rates.

Negative Generation Rates for Some Non-Residential Customers

Some medium and large commercial rates include a time period called super off-peak, in effect each spring from March through May from 9 a.m. to 2 p.m., where the electric rate is particularly low. At this time of year solar and hydro energy generation is high and demand for energy is relatively low, resulting in low wholesale prices, sometimes even dipping into negative values. Since the super off-peak rates are already quite low, the increase to the PCIA results in some of RCEA's super off-peak retail rates becoming negative.

Of RCEA's 115 commercial rates, 11 include super off-peak rates that are negative. These rates are fairly rare; as of now only 73 customers are on rates that will be negative. The negative rates are very small; mostly in the fourth or fifth decimal place of the \$/kWh value. This will have a minimal effect on revenue. Moreover, RCEA's generation price is negative for these rates, but the corresponding PG&E delivery rates these customers will be positive, resulting in an overall positive total electric rate. So customers will not have an incentive to exploit RCEA's negative rates.

Discount Percentage Change

At the November 2020 meeting, the Board guided staff to change the discount to 0.5% below PG&E's generation rate in light of the 2021 financial outlook for RCEA's CCE program. RCEA's CCE implementation plan filed with the California Public Utilities Commission calls for customers to be provided with a 60-day notification period when the discount percentage is changed. This notification period would end in mid-February. However, it is important to provide a two-month window between the January rate adjustment and the upcoming change to the discount rate to avoid impacting the billing process. Staff will therefore implement the 0.5% discount to PG&E's generation rate in mid-March to account for that buffer.

Staff is expecting PG&E to adjust their generation rates again in March. That adjustment should correspond with the March adjustment to the RCEA percentage discount change. In that case, staff will adjust rates based on the new discount and PG&E's March rates at the same time. PG&E's March generation rate adjustment is forecasted to be an increase by a few percentage points.

RECOMMENDED ACTIONS

Information only - no action required.

ATTACHMENTS

RCEA Residential Electric Generation Rates
RCEA Commercial Electric Generation Rates



RCEA Community Choice Energy Program

Residential Generation Rates

Effective January 21, 2021

Does not include transmission and distribution charges; see <https://www.pge.com/tariffs/ERS.SHTML> for complete PG&E rate schedules. PG&E rates are effective as of January 1, 2021 and subject to change

PG&E Equivalent Schedule	RCEA Rate Schedule	Time of Use Period	RCEA Rate	RCEA Rate Plus PG&E Fees ¹
E-1, EL-1, EM, EML, ES, ESL, ESR, ESRL, ET, ETL	E-1 Energy \$/KWH	Total	0.07168	0.11621
E-6, EL-6	E-6 Energy \$/KWH	Summer Peak	0.20055	0.24508
		Summer Part Peak	0.08672	0.13125
		Summer Off Peak	0.04026	0.08479
		Winter Part Peak	0.06605	0.11058
		Winter Off Peak	0.05328	0.09781
EV-A	EV-A Energy \$/KWH	Summer Peak	0.21717	0.26170
		Summer Part Peak	0.08159	0.12612
		Summer Off Peak	0.01885	0.06338
		Winter On Peak	0.05326	0.09779
		Winter Part Peak	0.01656	0.06109
		Winter Off Peak	0.02111	0.06564
EV2-A	EV2-A Energy \$/KWH	Summer Peak	0.13308	0.17761
		Summer Part Peak	0.08881	0.13334
		Summer Off Peak	0.04808	0.09261
		Winter On Peak	0.07677	0.12130
		Winter Part Peak	0.06441	0.10894
		Winter Off Peak	0.04116	0.08569
E-TOU-B	E-TOU-B Energy \$/KWH	Summer On Peak	0.17020	0.21473
		Summer Off Peak	0.06817	0.11270
		Winter On Peak	0.06443	0.10896
		Winter Off Peak	0.04582	0.09035
E-TOU-C	E-TOU-C Energy \$/KWH	Summer On Peak	0.11572	0.16025
		Summer Off Peak	0.06282	0.10735
		Winter On Peak	0.06745	0.11198
		Winter Off Peak	0.05257	0.0971

PG&E Equivalent Schedule	RCEA Rate Schedule	Time of Use Period	RCEA Rate	RCEA Rate Plus PG&E Fees ¹
E-TOU-D	E-TOU-D Energy \$/KWH	Summer On Peak	0.12782	0.17235
		Summer Off Peak	0.04371	0.08824
		Winter On Peak	0.08693	0.13146
		Winter Off Peak	0.07200	0.11653

¹PG&E fees include the Power Charge Indifference Adjustment and the Franchise Fee.

Voltage Discount - 4%

For rate schedules not segregated by service voltage, each component of the standard rate shall be discounted for primary or higher service voltage.



RCEA Community Choice Energy Program

Commercial, Industrial & Agricultural Generation Rates

Effective January 21, 2021

Does not include transmission and distribution charges; see <https://www.pge.com/tariffs/ERS.SHTML> for complete PG&E rate schedules. PG&E rates are effective as of January 1, 2021 and subject to change

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
A-1	A-1-A	Energy (\$/KWH)	Summer Total	0.08230	0.12552
		Energy (\$/KWH)	Winter Total	0.04256	0.08578
A-1-X	A-1-B	Energy (\$/KWH)	Summer On Peak	0.09685	0.14007
		Energy (\$/KWH)	Summer Part Peak	0.07343	0.11665
		Energy (\$/KWH)	Summer Off Peak	0.04635	0.08957
		Energy (\$/KWH)	Winter Part Peak	0.07323	0.11645
		Energy (\$/KWH)	Winter Off Peak	0.05253	0.09575
A-10-S	A-10-A	Energy (\$/KWH)	Summer Total	0.07074	0.11706
		Demand (\$/KW)	Summer Total	5.45	5.45
		Energy (\$/KWH)	Winter Total	0.0437	0.09002
A-10-P	A-10-A-P	Energy (\$/KWH)	Summer Total	0.06118	0.10750
		Demand (\$/KW)	Summer Total	4.74	4.74
		Energy (\$/KWH)	Winter Total	0.03767	0.08399
A-10-T	A-10-A-T	Energy (\$/KWH)	Summer Total	0.05214	0.09846
		Demand (\$/KW)	Summer Total	3.74	3.74
		Energy (\$/KWH)	Winter Total	0.03157	0.07789
A-10-S-X	A-10-B	Energy (\$/KWH)	Summer On Peak	0.12424	0.17056
		Energy (\$/KWH)	Summer Part Peak	0.06967	0.11599
		Energy (\$/KWH)	Summer Off Peak	0.04188	0.08820
		Demand (\$/KW)	Summer Total	5.45	5.45
		Energy (\$/KWH)	Winter Part Peak	0.05388	0.10020
		Energy (\$/KWH)	Winter Off Peak	0.03699	0.08331
A-10-P-X	A-10-B-P	Energy (\$/KWH)	Summer On Peak	0.11307	0.15939
		Energy (\$/KWH)	Summer Part Peak	0.06302	0.10934
		Energy (\$/KWH)	Summer Off Peak	0.03665	0.08297
		Demand (\$/KW)	Summer Total	4.74	4.74
		Energy (\$/KWH)	Winter Part Peak	0.04945	0.09577
		Energy (\$/KWH)	Winter Off Peak	0.03373	0.08005
A-10-T-X	A-10-B-T	Energy (\$/KWH)	Summer On Peak	0.10028	0.14660
		Energy (\$/KWH)	Summer Part Peak	0.05387	0.10019
		Energy (\$/KWH)	Summer Off Peak	0.02882	0.07514
		Demand (\$/KW)	Summer Total	3.74	3.74
		Energy (\$/KWH)	Winter Part Peak	0.04220	0.08852
		Energy (\$/KWH)	Winter Off Peak	0.02777	0.07409

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
A-6	A-6	Energy (\$/KWH)	Summer On Peak	0.34317	0.38637
		Energy (\$/KWH)	Summer Part Peak	0.10598	0.14918
		Energy (\$/KWH)	Summer Off Peak	0.04827	0.09147
		Energy (\$/KWH)	Winter Part Peak	0.07348	0.11668
		Energy (\$/KWH)	Winter Off Peak	0.05616	0.09936
E-19-S,V	E-19-S	Energy (\$/KWH)	Summer On Peak	0.09713	0.13959
		Energy (\$/KWH)	Summer Part Peak	0.05209	0.09455
		Energy (\$/KWH)	Summer Off Peak	0.02226	0.06472
		Demand (\$/KW)	Summer On Peak	14.05	14.05
		Demand (\$/KW)	Summer Part Peak	3.47	3.47
		Energy (\$/KWH)	Winter Part Peak	0.04592	0.08838
E-19-S,R	E-19-R-S	Energy (\$/KWH)	Winter Off Peak	0.02966	0.07212
		Energy (\$/KWH)	Summer On Peak	0.25893	0.30139
		Energy (\$/KWH)	Summer Part Peak	0.09276	0.13522
		Energy (\$/KWH)	Summer Off Peak	0.02603	0.06849
		Energy (\$/KWH)	Winter Part Peak	0.04995	0.09241
E-19-P,V	E-19-P	Energy (\$/KWH)	Winter Off Peak	0.03351	0.07597
		Energy (\$/KWH)	Summer On Peak	0.08642	0.12888
		Energy (\$/KWH)	Summer Part Peak	0.04392	0.08638
		Energy (\$/KWH)	Summer Off Peak	0.01659	0.05905
		Demand (\$/KW)	Summer On Peak	12.50	12.50
		Demand (\$/KW)	Summer Part Peak	3.05	3.05
E-19-P,R	E-19-R-P	Energy (\$/KWH)	Winter Part Peak	0.03818	0.08064
		Energy (\$/KWH)	Winter Off Peak	0.02335	0.06581
		Energy (\$/KWH)	Summer On Peak	0.24569	0.28815
		Energy (\$/KWH)	Summer Part Peak	0.08411	0.12657
		Energy (\$/KWH)	Summer Off Peak	0.02124	0.06370
E-19-T,V	E-19-T	Energy (\$/KWH)	Winter Part Peak	0.04307	0.08553
		Energy (\$/KWH)	Winter Off Peak	0.02807	0.07053
		Energy (\$/KWH)	Summer On Peak	0.04650	0.08896
		Energy (\$/KWH)	Summer Part Peak	0.03254	0.07500
		Energy (\$/KWH)	Summer Off Peak	0.01407	0.05653
		Demand (\$/KW)	Summer On Peak	13.75	13.75
E-19-T,R	E-19-R-T	Demand (\$/KW)	Summer Part Peak	3.45	3.45
		Energy (\$/KWH)	Winter Part Peak	0.03474	0.07720
		Energy (\$/KWH)	Winter Off Peak	0.02055	0.06301
		Energy (\$/KWH)	Summer On Peak	0.23602	0.27848
		Energy (\$/KWH)	Summer Part Peak	0.08148	0.12394
		Energy (\$/KWH)	Summer Off Peak	0.01945	0.06191
		Energy (\$/KWH)	Winter Part Peak	0.04034	0.08280
		Energy (\$/KWH)	Winter Off Peak	0.02601	0.06847

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
E-20-S,V	E-20-S	Energy (\$/KWH)	Summer On Peak	0.08905	0.12974
		Energy (\$/KWH)	Summer Part Peak	0.04808	0.07903
		Energy (\$/KWH)	Summer Off Peak	0.01996	0.05091
		Demand (\$/KW)	Summer On Peak	13.61	13.61
		Demand (\$/KW)	Summer Part Peak	3.36	3.36
		Energy (\$/KWH)	Winter Part Peak	0.04213	0.07308
		Energy (\$/KWH)	Winter Off Peak	0.02690	0.05785
E-20-S,R	E-20-R-S	Energy (\$/KWH)	Summer On Peak	0.23330	0.26425
		Energy (\$/KWH)	Summer Part Peak	0.08488	0.11583
		Energy (\$/KWH)	Summer Off Peak	0.02230	0.05325
		Energy (\$/KWH)	Winter Part Peak	0.04475	0.07570
		Energy (\$/KWH)	Winter Off Peak	0.02932	0.06027
E-20-P,V	E-20-P	Energy (\$/KWH)	Summer On Peak	0.09337	0.13232
		Energy (\$/KWH)	Summer Part Peak	0.04833	0.08728
		Energy (\$/KWH)	Summer Off Peak	0.02062	0.05957
		Demand (\$/KW)	Summer On Peak	14.90	14.90
		Demand (\$/KW)	Summer Part Peak	3.52	3.52
		Energy (\$/KWH)	Winter Part Peak	0.04239	0.08134
		Energy (\$/KWH)	Winter Off Peak	0.02743	0.06638
E-20-P,R	E-20-R-P	Energy (\$/KWH)	Summer On Peak	0.25216	0.29111
		Energy (\$/KWH)	Summer Part Peak	0.0853	0.12425
		Energy (\$/KWH)	Summer Off Peak	0.02305	0.06200
		Energy (\$/KWH)	Winter Part Peak	0.04510	0.08405
		Energy (\$/KWH)	Winter Off Peak	0.02994	0.06889
E-20-T,V	E-20-T	Energy (\$/KWH)	Summer On Peak	0.05079	0.08711
		Energy (\$/KWH)	Summer Part Peak	0.03712	0.07344
		Energy (\$/KWH)	Summer Off Peak	0.01904	0.05536
		Demand (\$/KW)	Summer On Peak	17.75	17.75
		Demand (\$/KW)	Summer Part Peak	4.23	4.23
		Energy (\$/KWH)	Winter Part Peak	0.03928	0.07560
		Energy (\$/KWH)	Winter Off Peak	0.02538	0.06170
E-20-T,R	E-20-R-T	Energy (\$/KWH)	Summer On Peak	0.24663	0.28295
		Energy (\$/KWH)	Summer Part Peak	0.07969	0.11601
		Energy (\$/KWH)	Summer Off Peak	0.02022	0.05654
		Energy (\$/KWH)	Winter Part Peak	0.04072	0.07704
		Energy (\$/KWH)	Winter Off Peak	0.02664	0.06296

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
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Standby Service

S-TOU-P	S-TOU-P	Energy (\$/KWH)	Summer On Peak	0.08437	0.11660
		Energy (\$/KWH)	Summer Part Peak	0.06587	0.09810
		Energy (\$/KWH)	Summer Off Peak	0.04166	0.07389
		Reservation Charge (\$/KW)	Summer Total	0.45540	0.45540
		Energy (\$/KWH)	Winter Part Peak	0.06882	0.10105
		Energy (\$/KWH)	Winter Off Peak	0.05006	0.08229
		Reservation Charge (\$/KW)	Winter Total	0.45540	0.45540
S-TOU-T	S-TOU-T	Energy (\$/KWH)	Summer On Peak	0.06240	0.09463
		Energy (\$/KWH)	Summer Part Peak	0.04755	0.07978
		Energy (\$/KWH)	Summer Off Peak	0.02790	0.06013
		Reservation Charge (\$/KW)	Summer Total	0.36630	0.36630
		Energy (\$/KWH)	Winter Part Peak	0.04989	0.08212
		Energy (\$/KWH)	Winter Off Peak	0.03479	0.06702
		Reservation Charge (\$/KW)	Winter Total	0.36630	0.36630

Street and Outdoor Lighting

LS-1, LS-2, LS-3, OL-1	LS-1	Energy (\$/KWH)	All Total	0.05295	0.08842
TC-1	TC-1	Energy (\$/KWH)	All Total	0.05559	0.09106

B Commercial and Industrial Rates

B-1	B-1	Energy (\$/KWH)	Summer On Peak	0.12563	0.16883
		Energy (\$/KWH)	Summer Part Peak	0.07690	0.12010
		Energy (\$/KWH)	Summer Off Peak	0.05630	0.09950
		Energy (\$/KWH)	Winter On Peak	0.07094	0.11414
		Energy (\$/KWH)	Winter Off Peak	0.05498	0.09818
		Energy (\$/KWH)	Winter Super Off Peak	0.03872	0.08192
B1-ST	B-1-ST	Energy (\$/KWH)	Summer On Peak	0.13035	0.17355
		Energy (\$/KWH)	Summer Part Peak	0.08831	0.13151
		Energy (\$/KWH)	Summer Off Peak	0.05292	0.09612
		Energy (\$/KWH)	Winter On Peak	0.08027	0.12347
		Energy (\$/KWH)	Winter Part Peak	0.06806	0.11126
		Energy (\$/KWH)	Winter Off Peak	0.04628	0.08948
		Energy (\$/KWH)	Winter Super Off Peak	0.03002	0.07322

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
B-6	B-6	Energy (\$/KWH)	Summer On Peak	0.12864	0.17184
		Energy (\$/KWH)	Summer Off Peak	0.05820	0.10140
		Energy (\$/KWH)	Winter On Peak	0.06576	0.10896
		Energy (\$/KWH)	Winter Off Peak	0.04888	0.09208
		Energy (\$/KWH)	Winter Super Off Peak	0.03262	0.07582
B-10-S	B-10-S	Energy (\$/KWH)	Summer On Peak	0.14808	0.19440
		Energy (\$/KWH)	Summer Part Peak	0.08700	0.13332
		Energy (\$/KWH)	Summer Off Peak	0.05477	0.10109
		Energy (\$/KWH)	Winter On Peak	0.09062	0.13694
		Energy (\$/KWH)	Winter Off Peak	0.05549	0.10181
		Energy (\$/KWH)	Winter Super Off Peak	0.01952	0.06584
B-10-P	B-10-P	Energy (\$/KWH)	Summer On Peak	0.13323	0.17955
		Energy (\$/KWH)	Summer Part Peak	0.07550	0.12182
		Energy (\$/KWH)	Summer Off Peak	0.04498	0.09130
		Energy (\$/KWH)	Winter On Peak	0.07913	0.12545
		Energy (\$/KWH)	Winter Off Peak	0.04584	0.09216
		Energy (\$/KWH)	Winter Super Off Peak	0.00986	0.05618
B-10-T	B-10-T	Energy (\$/KWH)	Summer On Peak	0.11649	0.16281
		Energy (\$/KWH)	Summer Part Peak	0.0603	0.10662
		Energy (\$/KWH)	Summer Off Peak	0.03054	0.07686
		Energy (\$/KWH)	Winter On Peak	0.06397	0.11029
		Energy (\$/KWH)	Winter Off Peak	0.03145	0.07777
		Energy (\$/KWH)	Winter Super Off Peak	-0.00452	0.04180
BEV-1	BEV-1	Energy (\$/KWH)	All On Peak	0.21742	0.25360
		Energy (\$/KWH)	All Off Peak	0.03668	0.07286
		Energy (\$/KWH)	All Super Off Peak	0.01155	0.04773
BEV-2-S	BEV-2-S	Energy (\$/KWH)	All On Peak	0.23007	0.27268
		Energy (\$/KWH)	All Off Peak	0.02874	0.07135
		Energy (\$/KWH)	All Super Off Peak	0.00359	0.04620
BEV-2-P	BEV-2-P	Energy (\$/KWH)	All On Peak	0.21979	0.26240
		Energy (\$/KWH)	All Off Peak	0.02577	0.06838
		Energy (\$/KWH)	All Super Off Peak	0.00181	0.04442
B-19-S,V	B-19-S	Energy (\$/KWH)	Summer On Peak	0.08860	0.13106
		Energy (\$/KWH)	Summer Part Peak	0.06046	0.10292
		Energy (\$/KWH)	Summer Off Peak	0.04057	0.08303
		Demand (\$/KW)	Summer On Peak	14.09	14.09
		Demand (\$/KW)	Summer Part Peak	2.05	2.05
		Energy (\$/KWH)	Winter On Peak	0.07073	0.11319
		Energy (\$/KWH)	Winter Off Peak	0.04049	0.08295
		Energy (\$/KWH)	Winter Super Off Peak	-0.00008	0.04238
		Demand (\$/KW)	Winter On Peak	1.67	1.67

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
B-19-P,V	B-19-P	Energy (\$/KWH)	Summer On Peak	0.07180	0.11426
		Energy (\$/KWH)	Summer Part Peak	0.05079	0.09325
		Energy (\$/KWH)	Summer Off Peak	0.03251	0.07497
		Demand (\$/KW)	Summer On Peak	11.85	11.85
		Demand (\$/KW)	Summer Part Peak	1.73	1.73
		Energy (\$/KWH)	Winter On Peak	0.06041	0.10287
		Energy (\$/KWH)	Winter Off Peak	0.03263	0.07509
		Energy (\$/KWH)	Winter Super Off Peak	-0.0069	0.03556
		Demand (\$/KW)	Winter On Peak	1.22	1.22
B-19-T,V	B-19-T	Energy (\$/KWH)	Summer On Peak	0.06340	0.10586
		Energy (\$/KWH)	Summer Part Peak	0.05450	0.09696
		Energy (\$/KWH)	Summer Off Peak	0.03554	0.07800
		Demand (\$/KW)	Summer On Peak	9.41	9.41
		Demand (\$/KW)	Summer Part Peak	2.36	2.36
		Energy (\$/KWH)	Winter On Peak	0.06459	0.10705
		Energy (\$/KWH)	Winter Off Peak	0.03579	0.07825
		Energy (\$/KWH)	Winter Super Off Peak	-0.00656	0.03590
		Demand (\$/KW)	Winter On Peak	0.90	0.90
B-19-S,R	B-19-R-S	Energy (\$/KWH)	Summer On Peak	0.21655	0.25901
		Energy (\$/KWH)	Summer Part Peak	0.08234	0.12480
		Energy (\$/KWH)	Summer Off Peak	0.04421	0.08667
		Energy (\$/KWH)	Winter On Peak	0.08604	0.12850
		Energy (\$/KWH)	Winter Off Peak	0.04415	0.08661
		Energy (\$/KWH)	Winter Super Off Peak	0.00868	0.05114
B-19-P,R	B-19-R-P	Energy (\$/KWH)	Summer On Peak	0.19228	0.23474
		Energy (\$/KWH)	Summer Part Peak	0.06997	0.11243
		Energy (\$/KWH)	Summer Off Peak	0.03493	0.07739
		Energy (\$/KWH)	Winter On Peak	0.07232	0.11478
		Energy (\$/KWH)	Winter Off Peak	0.03504	0.07750
		Energy (\$/KWH)	Winter Super Off Peak	-0.00042	0.04204
B-19-T,R	B-19-R-T	Energy (\$/KWH)	Summer On Peak	0.16200	0.20446
		Energy (\$/KWH)	Summer Part Peak	0.08132	0.12378
		Energy (\$/KWH)	Summer Off Peak	0.03959	0.08205
		Energy (\$/KWH)	Winter On Peak	0.07314	0.11560
		Energy (\$/KWH)	Winter Off Peak	0.03980	0.08226
		Energy (\$/KWH)	Winter Super Off Peak	0.00434	0.04680
B-19-S,S	B-19-S-S	Energy (\$/KWH)	Summer On Peak	0.21655	0.25901
		Energy (\$/KWH)	Summer Part Peak	0.08234	0.12480
		Energy (\$/KWH)	Summer Off Peak	0.04421	0.08667
		Energy (\$/KWH)	Winter On Peak	0.08604	0.12850
		Energy (\$/KWH)	Winter Off Peak	0.04415	0.08661
		Energy (\$/KWH)	Winter Super Off Peak	0.00868	0.05114

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
B-19-P,S	B-19-S-P	Energy (\$/KWH)	Summer On Peak	0.19228	0.23474
		Energy (\$/KWH)	Summer Part Peak	0.06997	0.11243
		Energy (\$/KWH)	Summer Off Peak	0.03493	0.07739
		Energy (\$/KWH)	Winter On Peak	0.07232	0.11478
		Energy (\$/KWH)	Winter Off Peak	0.03504	0.07750
		Energy (\$/KWH)	Winter Super Off Peak	-0.00042	0.04204
B-19-T,S	B-19-S-T	Energy (\$/KWH)	Summer On Peak	0.16200	0.20446
		Energy (\$/KWH)	Summer Part Peak	0.08132	0.12378
		Energy (\$/KWH)	Summer Off Peak	0.03959	0.08205
		Energy (\$/KWH)	Winter On Peak	0.07314	0.11560
		Energy (\$/KWH)	Winter Off Peak	0.03980	0.08226
		Energy (\$/KWH)	Winter Super Off Peak	0.00434	0.04680
B-20-S,V	B-20-S	Energy (\$/KWH)	Summer On Peak	0.08346	0.12415
		Energy (\$/KWH)	Summer Part Peak	0.05821	0.09890
		Energy (\$/KWH)	Summer Off Peak	0.03827	0.07896
		Demand (\$/KW)	Summer On Peak	13.71	13.71
		Demand (\$/KW)	Summer Part Peak	1.99	1.99
		Energy (\$/KWH)	Winter On Peak	0.06842	0.10911
		Energy (\$/KWH)	Winter Off Peak	0.03811	0.07880
		Energy (\$/KWH)	Winter Super Off Peak	-0.00248	0.03821
		Demand (\$/KW)	Winter On Peak	1.75	1.75
B-20-P,V	B-20-P	Energy (\$/KWH)	Summer On Peak	0.08174	0.12243
		Energy (\$/KWH)	Summer Part Peak	0.05499	0.09568
		Energy (\$/KWH)	Summer Off Peak	0.03633	0.07702
		Demand (\$/KW)	Summer On Peak	15.06	15.06
		Demand (\$/KW)	Summer Part Peak	2.07	2.07
		Energy (\$/KWH)	Winter On Peak	0.06472	0.10541
		Energy (\$/KWH)	Winter Off Peak	0.03639	0.07708
		Energy (\$/KWH)	Winter Super Off Peak	-0.00381	0.03688
		Demand (\$/KW)	Winter On Peak	1.73	1.73
B-20-T,V	B-20-T	Energy (\$/KWH)	Summer On Peak	0.06560	0.10192
		Energy (\$/KWH)	Summer Part Peak	0.04929	0.08561
		Energy (\$/KWH)	Summer Off Peak	0.03107	0.06739
		Demand (\$/KW)	Summer On Peak	16.85	16.85
		Demand (\$/KW)	Summer Part Peak	4.02	4.02
		Energy (\$/KWH)	Winter On Peak	0.06481	0.10113
		Energy (\$/KWH)	Winter Off Peak	0.02777	0.06409
		Energy (\$/KWH)	Winter Super Off Peak	-0.00921	0.02711
		Demand (\$/KW)	Winter On Peak	2.25	2.25

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
B-20-S,R	B-20-R-S	Energy (\$/KWH)	Summer On Peak	0.21022	0.25091
		Energy (\$/KWH)	Summer Part Peak	0.07879	0.11948
		Energy (\$/KWH)	Summer Off Peak	0.04171	0.08240
		Energy (\$/KWH)	Winter On Peak	0.08487	0.12556
		Energy (\$/KWH)	Winter Off Peak	0.04158	0.08227
		Energy (\$/KWH)	Winter Super Off Peak	0.00619	0.04688
B-20-P,R	B-20-R-P	Energy (\$/KWH)	Summer On Peak	0.20198	0.24267
		Energy (\$/KWH)	Summer Part Peak	0.07438	0.11507
		Energy (\$/KWH)	Summer Off Peak	0.04001	0.08070
		Energy (\$/KWH)	Winter On Peak	0.07973	0.12042
		Energy (\$/KWH)	Winter Off Peak	0.04006	0.08075
		Energy (\$/KWH)	Winter Super Off Peak	0.00467	0.04536
B-20-T,R	B-20-R-T	Energy (\$/KWH)	Summer On Peak	0.20190	0.23822
		Energy (\$/KWH)	Summer Part Peak	0.08447	0.12079
		Energy (\$/KWH)	Summer Off Peak	0.03472	0.07104
		Energy (\$/KWH)	Winter On Peak	0.08431	0.12063
		Energy (\$/KWH)	Winter Off Peak	0.03183	0.06815
		Energy (\$/KWH)	Winter Super Off Peak	-0.00064	0.03568
B-20-S,S	B-20-S-S	Energy (\$/KWH)	Summer On Peak	0.21022	0.25091
		Energy (\$/KWH)	Summer Part Peak	0.07879	0.11948
		Energy (\$/KWH)	Summer Off Peak	0.04171	0.08240
		Energy (\$/KWH)	Winter On Peak	0.08487	0.12556
		Energy (\$/KWH)	Winter Off Peak	0.04158	0.08227
		Energy (\$/KWH)	Winter Super Off Peak	0.00619	0.04688
B-20-P,S	B-20-S-P	Energy (\$/KWH)	Summer On Peak	0.20198	0.24267
		Energy (\$/KWH)	Summer Part Peak	0.07438	0.11507
		Energy (\$/KWH)	Summer Off Peak	0.04001	0.08070
		Energy (\$/KWH)	Winter On Peak	0.07973	0.12042
		Energy (\$/KWH)	Winter Off Peak	0.04006	0.08075
		Energy (\$/KWH)	Winter Super Off Peak	0.00467	0.04536
B-20-T,S	B-20-S-T	Energy (\$/KWH)	Summer On Peak	0.20190	0.23822
		Energy (\$/KWH)	Summer Part Peak	0.08447	0.12079
		Energy (\$/KWH)	Summer Off Peak	0.03472	0.07104
		Energy (\$/KWH)	Winter On Peak	0.08431	0.12063
		Energy (\$/KWH)	Winter Off Peak	0.03183	0.06815
		Energy (\$/KWH)	Winter Super Off Peak	-0.00064	0.03568

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
S-B-P,S	S-B-P,S	Energy (\$/KWH)	Summer On Peak	0.07874	0.11097
		Energy (\$/KWH)	Summer Part Peak	0.06711	0.09934
		Energy (\$/KWH)	Summer Off Peak	0.05418	0.08641
		Energy (\$/KWH)	Winter On Peak	0.07409	0.10632
		Energy (\$/KWH)	Winter Off Peak	0.05528	0.08751
		Energy (\$/KWH)	Winter Super Off Peak	0.01352	0.04575
		Reservation Charge (\$/KW)	All	0.29700	0.29700
S-B-T	S-B-T	Energy (\$/KWH)	Summer On Peak	0.06527	0.09750
		Energy (\$/KWH)	Summer Part Peak	0.05411	0.08634
		Energy (\$/KWH)	Summer Off Peak	0.04168	0.07391
		Energy (\$/KWH)	Winter On Peak	0.06088	0.09311
		Energy (\$/KWH)	Winter Off Peak	0.04284	0.07507
		Energy (\$/KWH)	Winter Super Off Peak	0.00163	0.03386
		Reservation Charge (\$/KW)	All	0.16830	0.16830
Agricultural Rates					
AG-1-A	AG-1-A	Energy (\$/KWH)	Summer Total	0.06672	0.10692
		Connected Load	Summer Total	1.47	1.47
		Energy (\$/KWH)	Winter Total	0.04550	0.08570
AG-1-B	AG-1-B	Energy (\$/KWH)	Summer Total	0.07022	0.11042
		Demand (\$/KW)	Summer Total	2.21	2.21
		Energy (\$/KWH)	Winter Total	0.04581	0.08601
AG-1-P-X	AG-1-B-P	Energy (\$/KWH)	Summer Total	0.07022	0.11042
		Demand (\$/KW)	Summer Total	1.39	1.39
		Energy (\$/KWH)	Winter Total	0.04581	0.08601
AG-R-A	AG-R-A	Energy (\$/KWH)	Summer On Peak	0.25534	0.29554
		Energy (\$/KWH)	Summer Off Peak	0.03422	0.07442
		Connected Load	Summer Total	1.45	1.45
		Energy (\$/KWH)	Winter Part Peak	0.04210	0.08230
		Energy (\$/KWH)	Winter Off Peak	0.02985	0.07005
AG-V-A	AG-V-A	Energy (\$/KWH)	Summer On Peak	0.21850	0.25870
		Energy (\$/KWH)	Summer Off Peak	0.03133	0.07153
		Connected Load	Summer Total	1.51	1.51
		Energy (\$/KWH)	Winter Part Peak	0.04052	0.08072
		Energy (\$/KWH)	Winter Off Peak	0.02854	0.06874
AG-V-B	AG-V-B	Energy (\$/KWH)	Summer On Peak	0.20203	0.24223
		Energy (\$/KWH)	Summer Off Peak	0.03282	0.07302
		Demand (\$/KW)	Summer Total	2.00	2.00
		Demand (\$/KW)	Summer On Peak	2.57	2.57
		Energy (\$/KWH)	Winter Part Peak	0.02892	0.06912
		Energy (\$/KWH)	Winter Off Peak	0.01869	0.05889

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹
AG-4-A	AG-4-A	Energy (\$/KWH)	Summer On Peak	0.13511	0.17531
		Energy (\$/KWH)	Summer Off Peak	0.03566	0.07586
		Connected Load	Summer Total	1.49	1.49
		Energy (\$/KWH)	Winter Part Peak	0.04018	0.08038
		Energy (\$/KWH)	Winter Off Peak	0.02833	0.06853
AG-4-B	AG-4-B	Energy (\$/KWH)	Summer On Peak	0.09323	0.13343
		Energy (\$/KWH)	Summer Off Peak	0.03724	0.07744
		Demand (\$/KW)	Summer Total	2.61	2.61
		Demand (\$/KW)	Summer On Peak	2.78	2.78
		Energy (\$/KWH)	Winter Part Peak	0.03531	0.07551
		Energy (\$/KWH)	Winter Off Peak	0.02405	0.06425
AG-4-B-X	AG-4-B-P	Energy (\$/KWH)	Summer On Peak	0.09323	0.13343
		Energy (\$/KWH)	Summer Off Peak	0.03724	0.07744
		Demand (\$/KW)	Summer Total	1.97	1.97
		Demand (\$/KW)	Summer On Peak	2.78	2.78
		Energy (\$/KWH)	Winter Part Peak	0.03531	0.07551
		Energy (\$/KWH)	Winter Off Peak	0.02405	0.06425
AG-4-C	AG-4-C	Energy (\$/KWH)	Summer On Peak	0.11451	0.15471
		Energy (\$/KWH)	Summer Part Peak	0.04754	0.08774
		Energy (\$/KWH)	Summer Off Peak	0.02320	0.06340
		Demand (\$/KW)	Summer On Peak	6.47	6.47
		Demand (\$/KW)	Summer Part Peak	1.11	1.11
		Energy (\$/KWH)	Winter Part Peak	0.03011	0.07031
		Energy (\$/KWH)	Winter Off Peak	0.01966	0.05986
AG-5-A	AG-5-A	Energy (\$/KWH)	Summer On Peak	0.12208	0.16228
		Energy (\$/KWH)	Summer Off Peak	0.03999	0.08019
		Connected Load	Summer Total	4.03	4.03
		Energy (\$/KWH)	Winter Part Peak	0.04378	0.08398
		Energy (\$/KWH)	Winter Off Peak	0.03142	0.07162
AG-5-B	AG-5-B	Energy (\$/KWH)	Summer On Peak	0.12030	0.16050
		Energy (\$/KWH)	Summer Off Peak	0.01372	0.05392
		Demand (\$/KW)	Summer Total	4.91	4.91
		Demand (\$/KW)	Summer On Peak	6.15	6.15
		Energy (\$/KWH)	Winter Part Peak	0.03593	0.07613
		Energy (\$/KWH)	Winter Off Peak	0.00453	0.04473
AG-5-C	AG-5-C	Energy (\$/KWH)	Summer On Peak	0.09311	0.13331
		Energy (\$/KWH)	Summer Part Peak	0.03688	0.07708
		Energy (\$/KWH)	Summer Off Peak	0.01596	0.05616
		Demand (\$/KW)	Summer On Peak	11.45	11.45
		Demand (\$/KW)	Summer Part Peak	2.16	2.16
		Energy (\$/KWH)	Winter Part Peak	0.02223	0.06243
		Energy (\$/KWH)	Winter Off Peak	0.01272	0.05292

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees ¹	
AG-5-C-P	AG-5-C-P	Energy (\$/KWH)	Summer On Peak	0.09311	0.13331	
		Energy (\$/KWH)	Summer Part Peak	0.03688	0.07708	
		Energy (\$/KWH)	Summer Off Peak	0.01596	0.05616	
		Demand (\$/KW)	Summer On Peak	9.10	9.10	
		Demand (\$/KW)	Summer Part Peak	2.16	2.16	
		Energy (\$/KWH)	Winter Part Peak	0.02223	0.06243	
		Energy (\$/KWH)	Winter Off Peak	0.01272	0.05292	
AG-A1-A-S,P,T	AG-A1-A-S,P,T	Energy (\$/KWH)	Summer On Peak	0.17972	0.21992	
AG-A2-A-S,P,T	AG-A2-A-S,P,T	Energy (\$/KWH)	Summer Off Peak	0.06124	0.10144	
		Energy (\$/KWH)	Winter On Peak	0.05795	0.09815	
		Energy (\$/KWH)	Winter Off Peak	0.03176	0.07196	
AG-B-A-S,P,T	AG-B-A-S,P,T	Energy (\$/KWH)	Summer On Peak	0.19473	0.23493	
		Energy (\$/KWH)	Summer Off Peak	0.07289	0.11309	
		Energy (\$/KWH)	Winter On Peak	0.06760	0.10780	
		Energy (\$/KWH)	Winter Off Peak	0.04166	0.08186	
AG-C-A-S,P,T	AG-C-A-S,P,T	Energy (\$/KWH)	Summer On Peak	0.06980	0.11000	
		Energy (\$/KWH)	Summer Off Peak	0.04061	0.08081	
		Demand (\$/KW)	Summer On Peak	11.67	11.67	
		Energy (\$/KWH)	Winter On Peak	0.05531	0.09551	
		Energy (\$/KWH)	Winter Off Peak	0.03004	0.07024	
AG-F-A1-S,P,T	AG-F-A1-S,P,T	Energy (\$/KWH)	Summer On Peak	0.14558	0.18578	
AG-F-A2-S,P,T	AG-F-A2-S,P,T	Energy (\$/KWH)	Summer Off Peak (all day Wednesdays and Thursdays)	0.06921	0.10941	
AG-F-A3-S,P,T	AG-F-A3-S,P,T		Winter On Peak	0.05912	0.09932	
			Winter Off Peak (all day Wednesdays and Thursdays)	0.03293	0.07313	
AG-F-B1-S,P,T	AG-F-B1-S,P,T	Energy (\$/KWH)	Summer On Peak	0.16216	0.20236	
AG-F-B2-S,P,T	AG-F-B2-S,P,T	Energy (\$/KWH)	Summer Off Peak (all day Wednesdays and Thursdays)	0.08166	0.12186	
AG-F-B3-S,P,T	AG-F-B3-S,P,T		Winter On Peak	0.06972	0.10992	
			Winter Off Peak (all day Wednesdays and Thursdays)	0.04353	0.08373	
AG-F-C1-S,P,T	AG-F-C1-S,P,T	Energy (\$/KWH)	Summer On Peak	0.08403	0.12423	
AG-F-C2-S,P,T	AG-F-C2-S,P,T	Energy (\$/KWH)	Summer Off Peak (all day Wednesdays and Thursdays)	0.05432	0.09452	
AG-F-C3-S,P,T	AG-F-C3-S,P,T		Demand (\$/KW)	11.67	11.67	
			Energy (\$/KWH)	Winter On Peak	0.06975	0.10995
			Energy (\$/KWH)	Winter Off Peak (all day Wednesdays and Thursdays)	0.04356	0.08376

Voltage Discount - 4%

For rate schedules not segregated by service voltage, each component of the standard rate shall be discounted

¹PG&E fees include the Power Charge Indifference Adjustment and the Franchise Fee.



STAFF REPORT
Agenda Item # 6.2

GENDA DATE:	January 28, 2021
6TO:	Board of Directors
PREPARED BY:	Richard Engel, Director of Power Resources
SUBJECT:	Overview of Energy Risk Management

SUMMARY

The RCEA Board of Directors adopted an Energy Risk Management Policy in December 2016 in order to establish functions and procedures to manage the risks associated with the Community Choice Energy program's power procurement activities. In accordance with this policy, a quarterly update on activities and projected financial performance is presented to the Board during regularly scheduled meetings.

Per normal schedule, a quarterly update would be provided this month. Given the number of new members serving on the Board, staff have postponed the quarterly update until February and this month are providing an orientation presentation on energy risk management. The presentation will cover key elements of RCEA's Energy Risk Management Policy, which is available at:

<https://redwoodenergy.org/wp-content/uploads/2020/03/RCEA-ERMP-updated-Jan-2020.pdf>

FINANCIAL IMPACTS

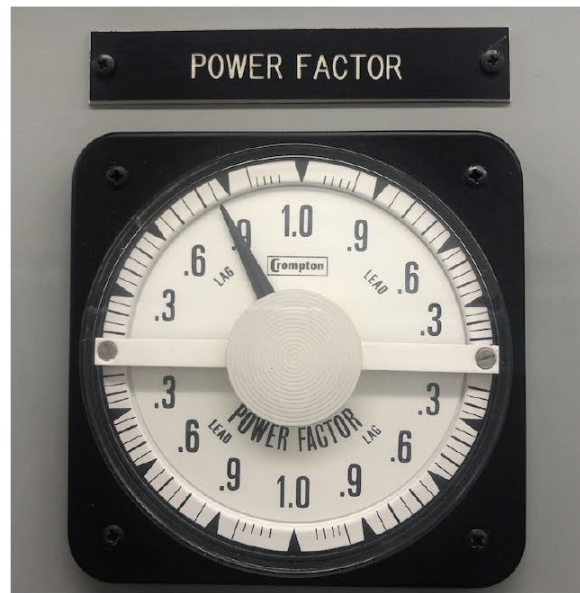
None.

RECOMMENDED ACTIONS

None – information only.

ATTACHMENTS

Slide presentation for this Board item to be made available prior to the meeting.



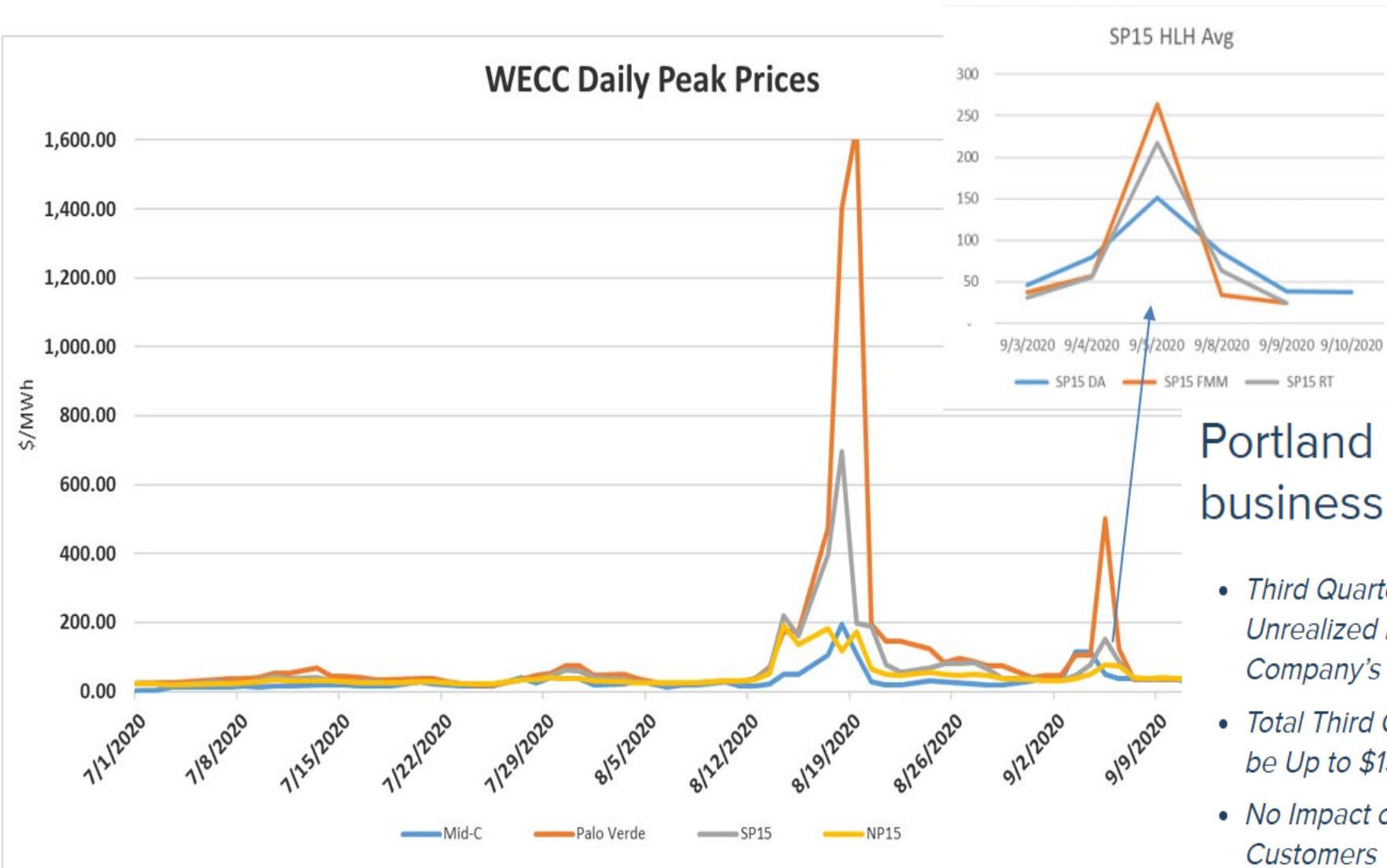
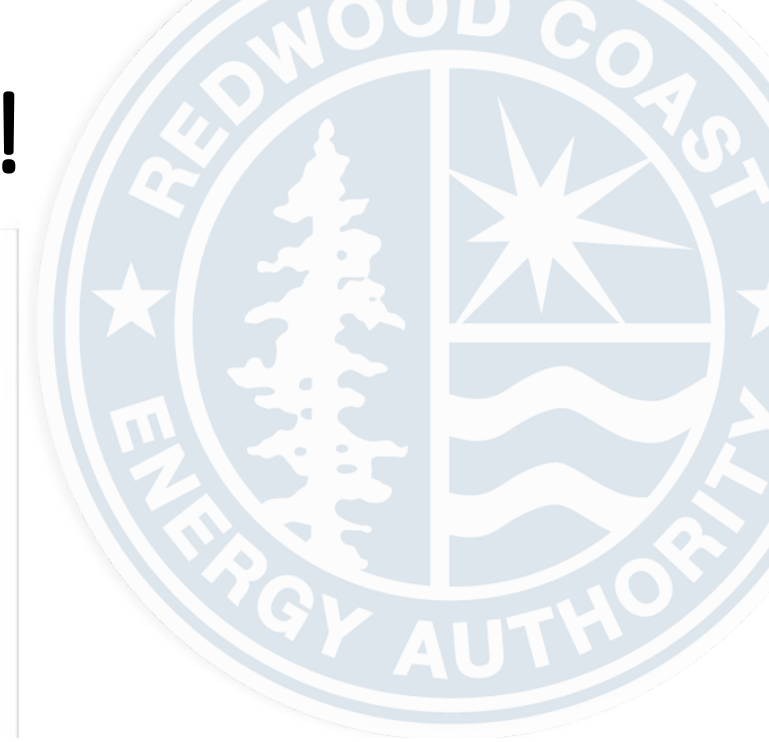
Overview of Energy Risk Management

January 2021 Board Meeting

Redwood Coast Energy Authority



Risk Management is Critical in Energy!



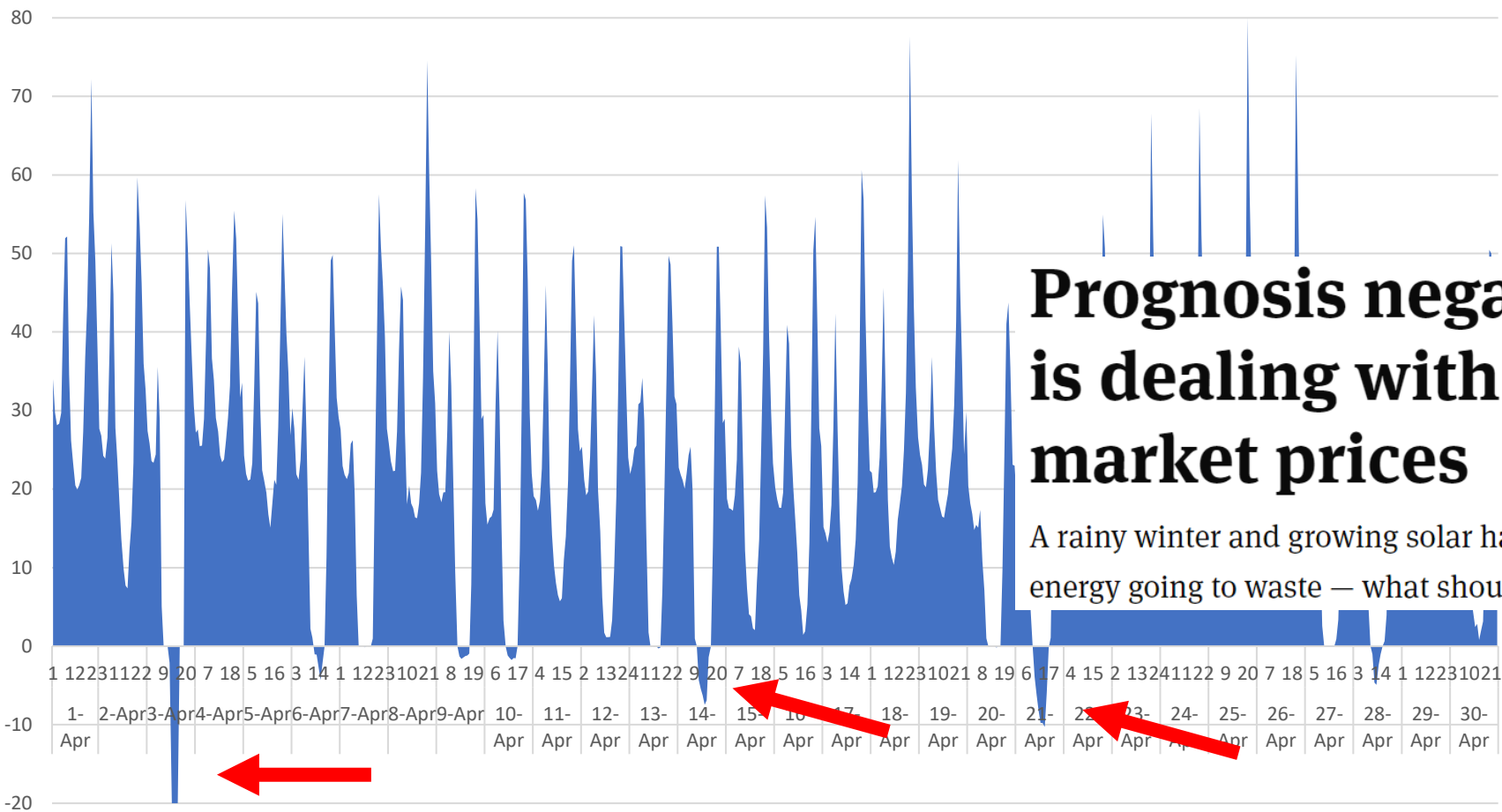
Portland General Electric provides business update

- *Third Quarter Realized Losses of \$104 Million and Unrealized Mark-to-Market Losses of \$23 Million in the Company's Energy Trading Portfolio as of August 24, 2020*
- *Total Third Quarter Losses in the Portfolio are Estimated to be Up to \$155 Million Subject to Market Conditions*
- *No Impact on Customer Prices or PGE's Ability to Serve Customers*



Power price highs and lows

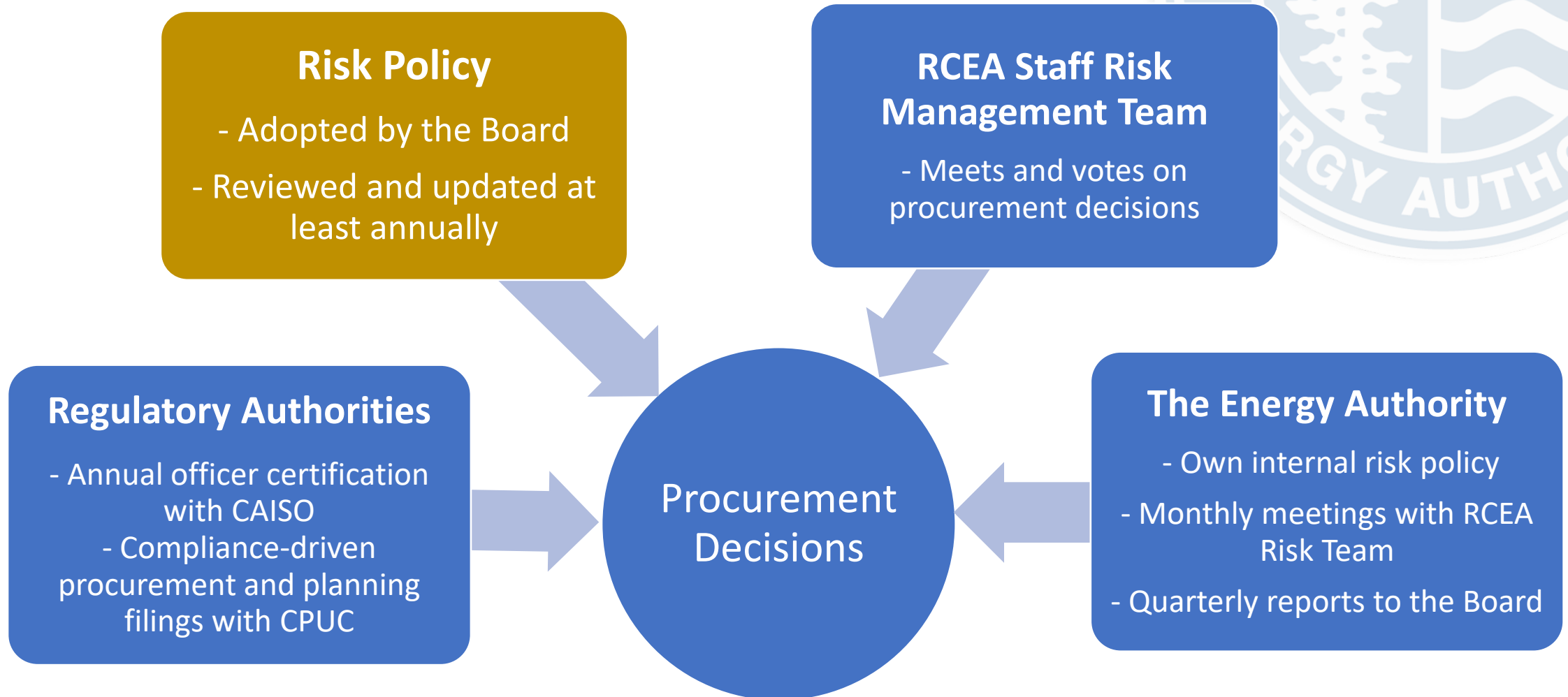
NP-15 Hourly Day Ahead Prices - April 2019



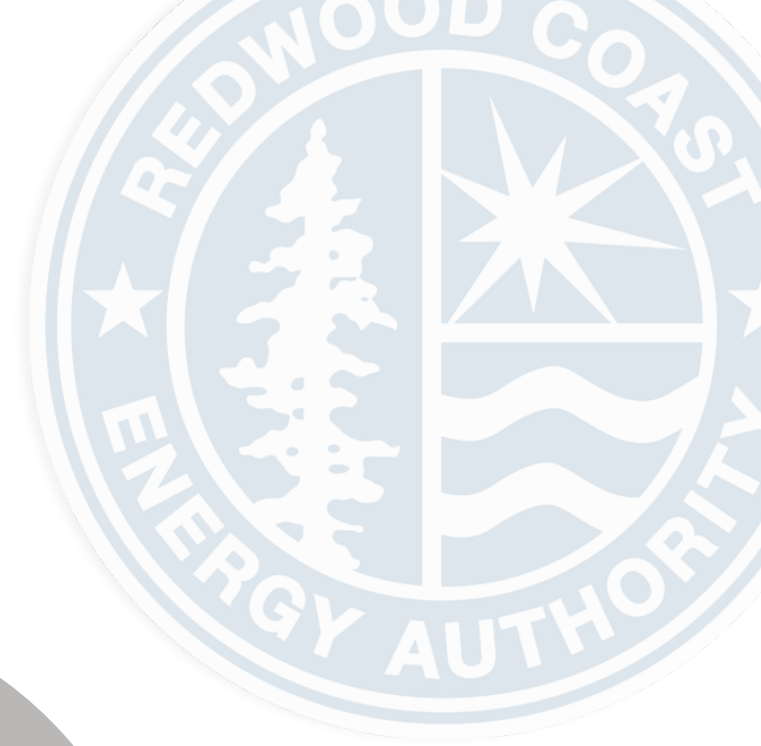
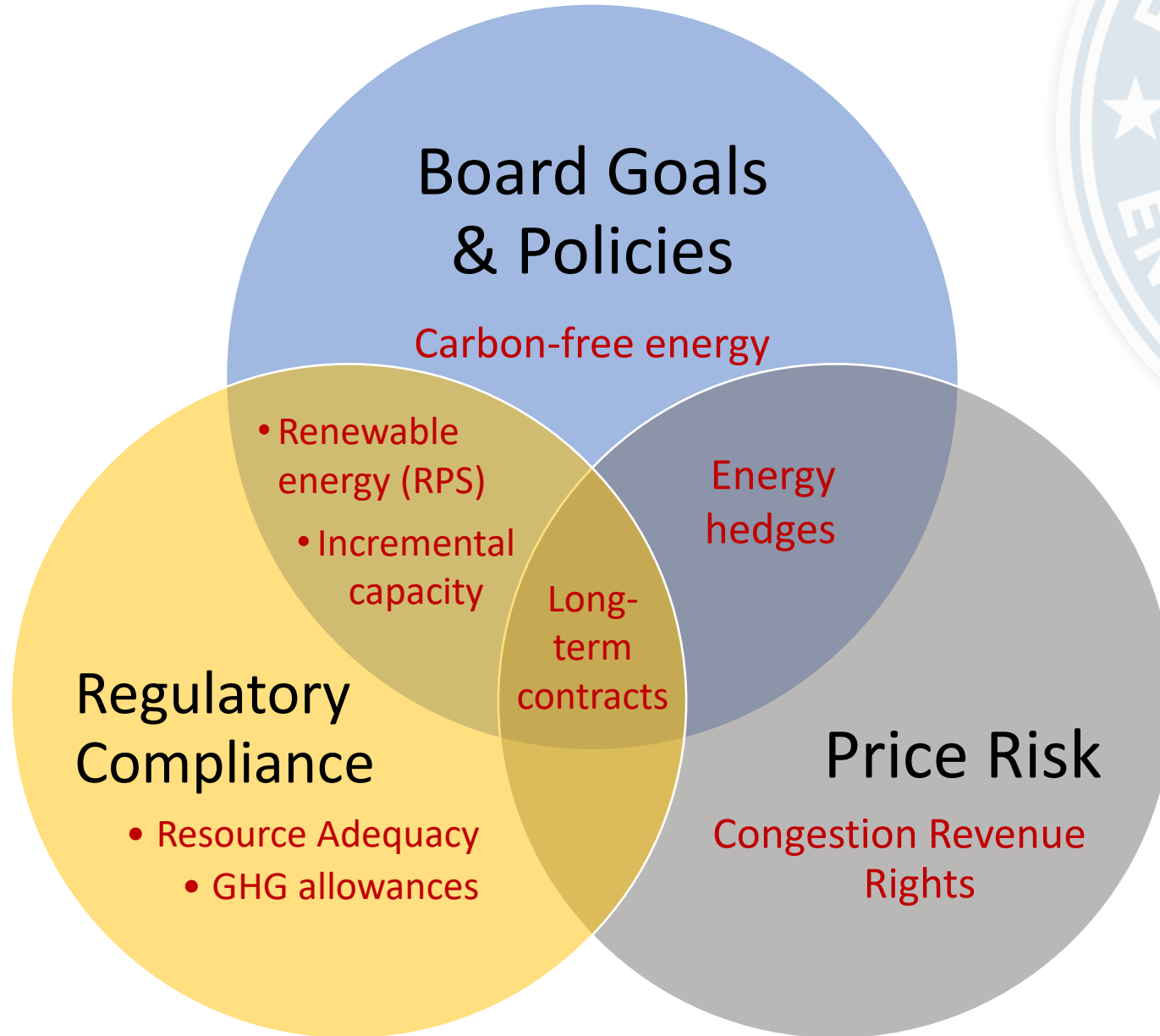
Prognosis negative: How California is dealing with below-zero power market prices

A rainy winter and growing solar have CAISO prices going negative and renewable energy going to waste — what should policymakers do?

RCEA's Risk Management Structure

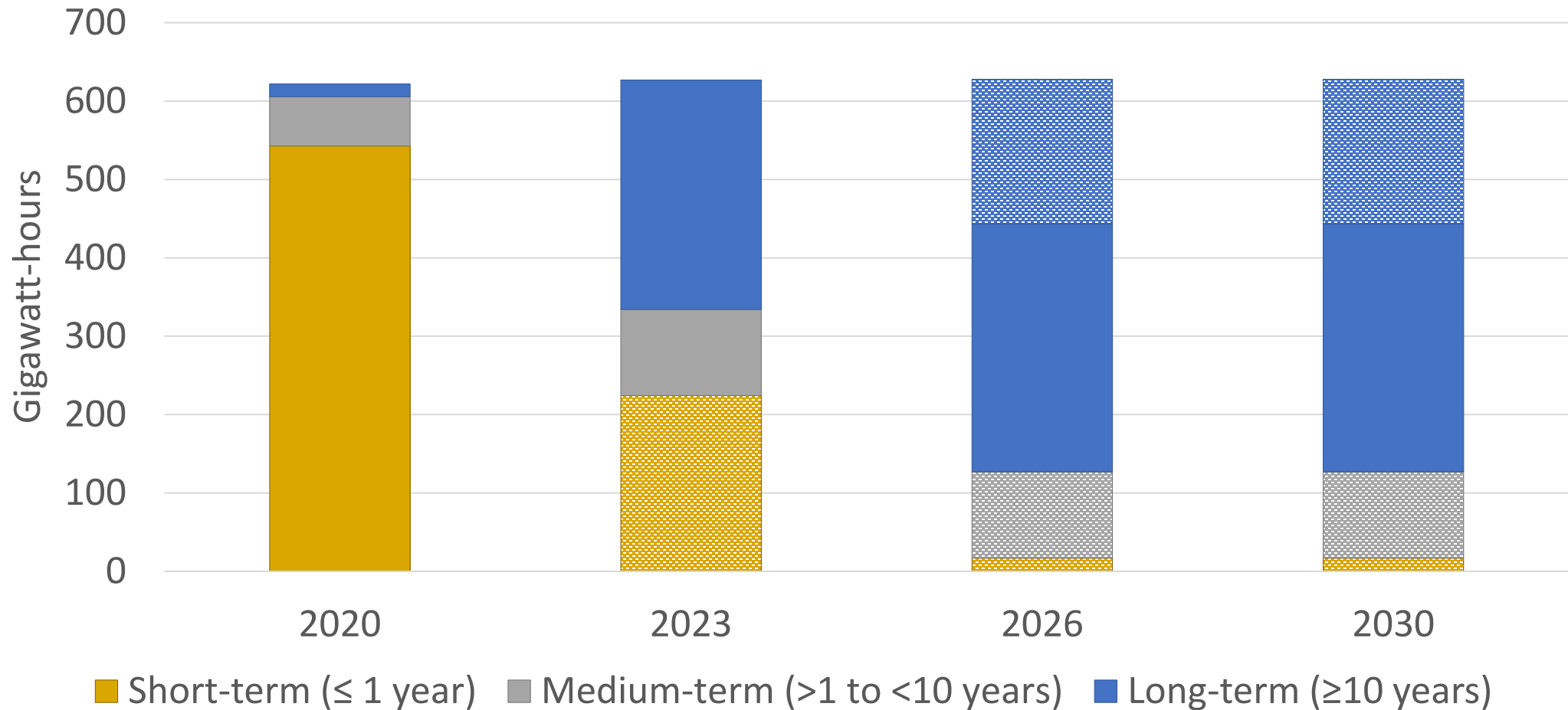


Procurement Purposes & Products



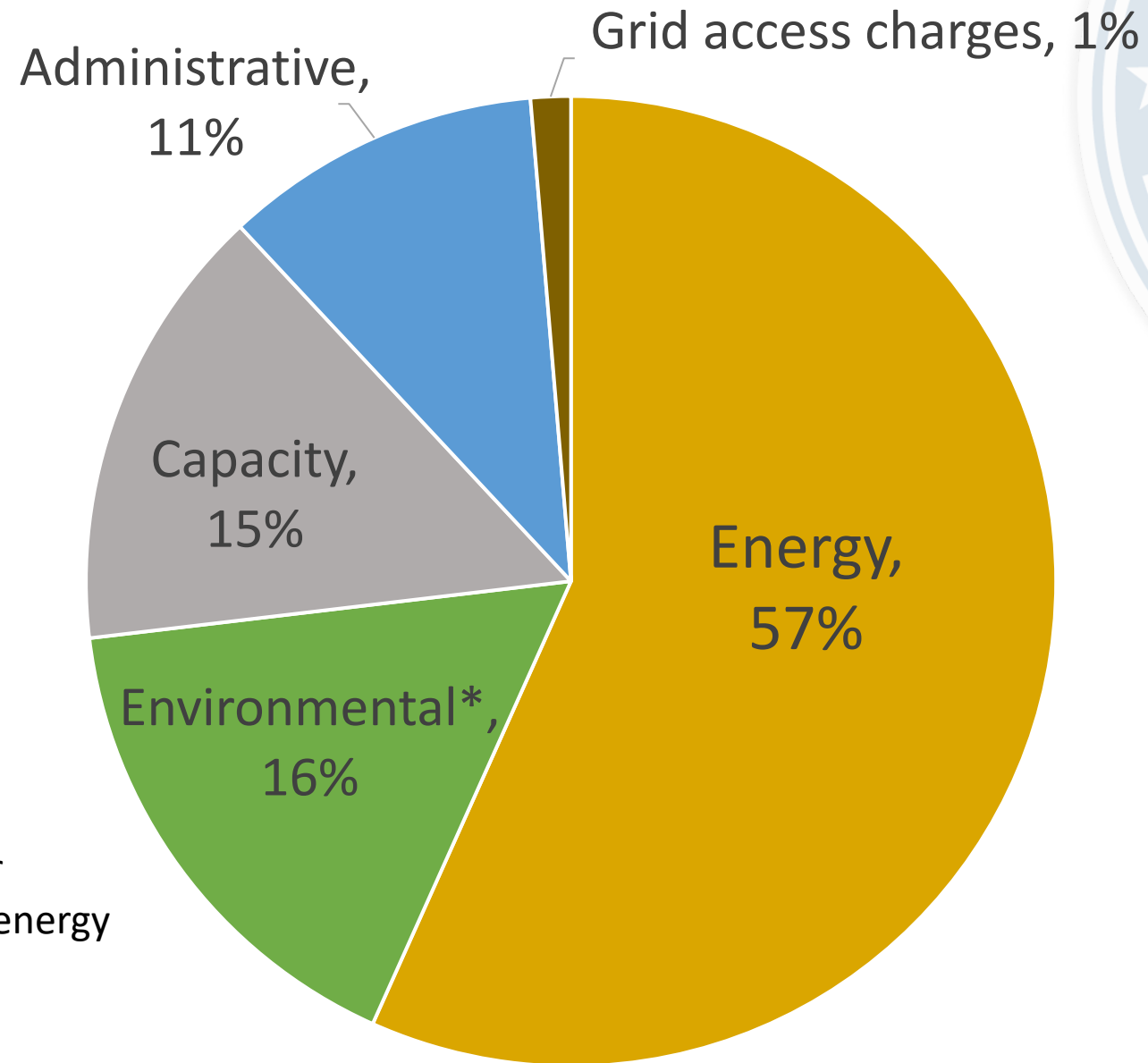
RCEA Portfolio Progress

Moving toward longer-term procurement

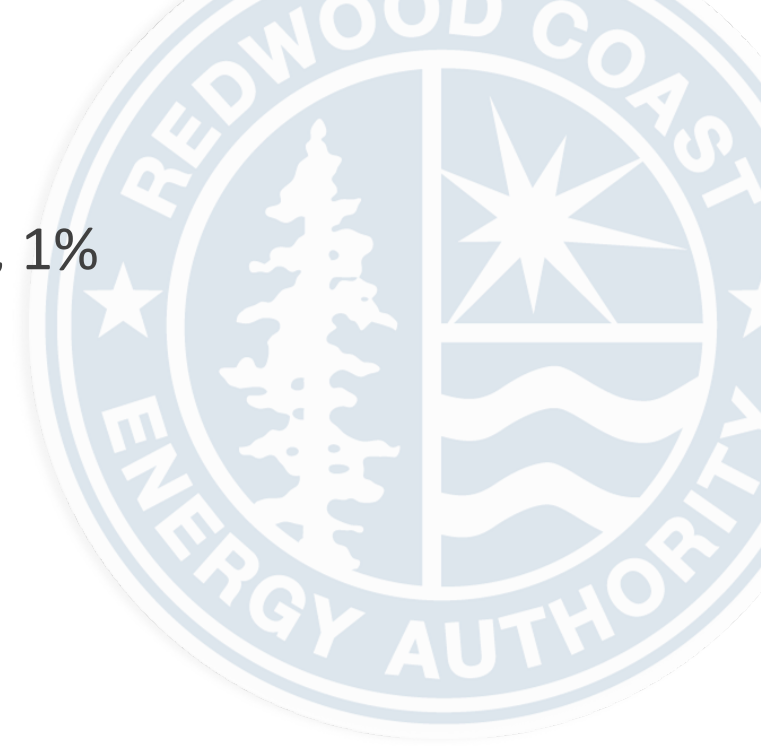


Shaded areas represent planned procurement not yet contracted

CCE Program Costs



*includes premiums paid for renewable and carbon-free energy

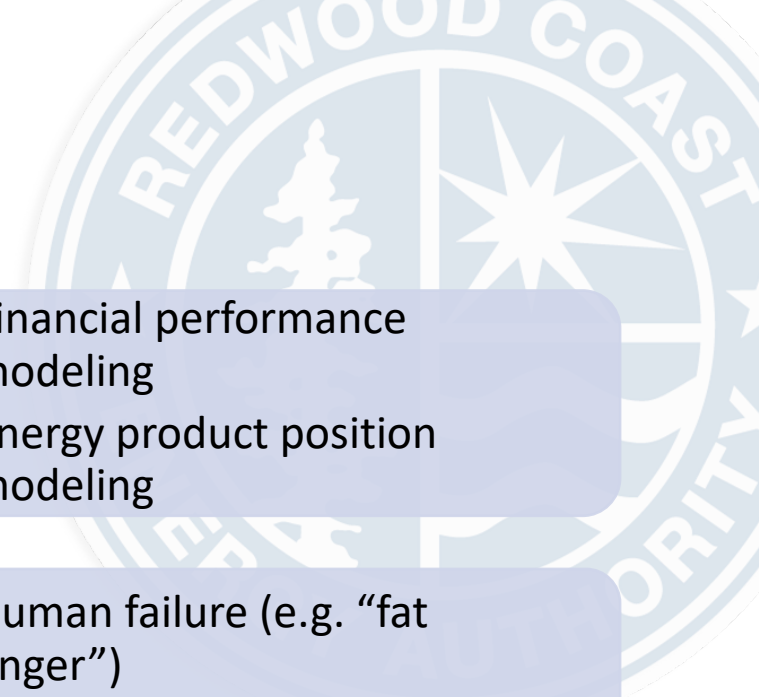


Risk Policy Overview

- 2.2 – Risk Exposures
- 3 – Business Practices
- 4 – Roles & Responsibilities
- 5 – Delegation of Authority
- 6 – Credit Policy
- 7 – Risk Reporting
- 8 – Policy Revision
- Appendix D – Hedging Strategy



What Risks Does RCEA Face?



Customer

- Rate competitiveness with PG&E and customer opt-outs
- Uncollected customer debt

Model

- Financial performance modeling
- Energy product position modeling

Market

- Variability in commodity prices of various energy products

Operational

- Human failure (e.g. “fat finger”)
- Data security

Regulatory

- General “playing field” of CCAs & IOUs (e.g. PCIA)
- Mandated procurement

Counterparty Credit

- Counterparty fails to meet contractual obligations

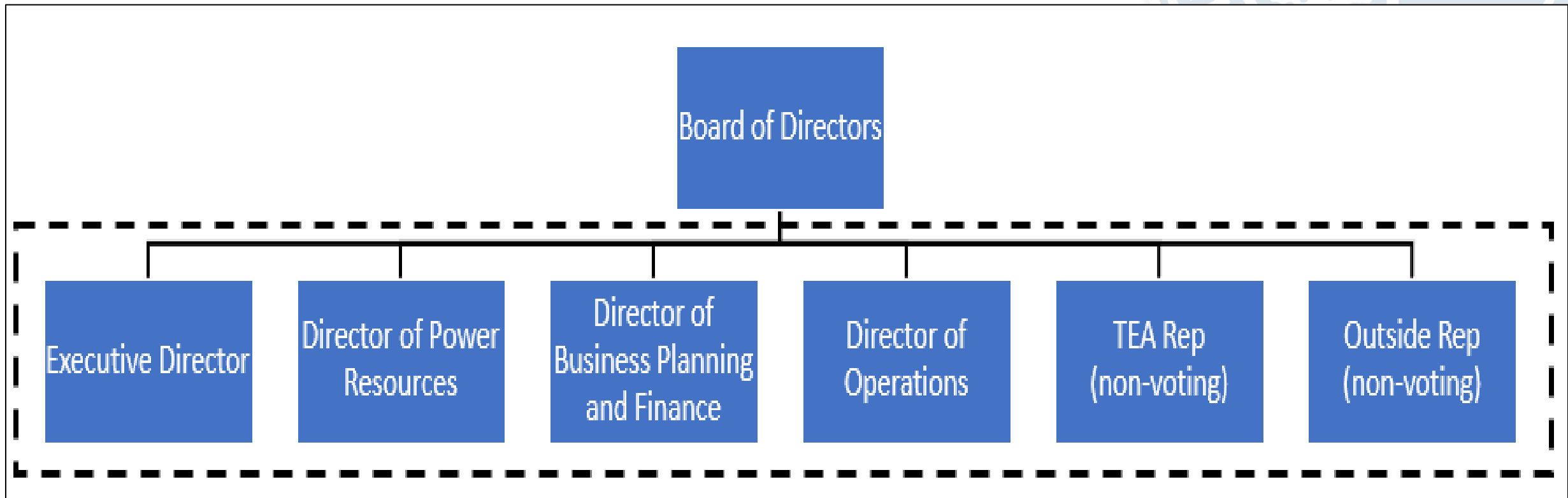
Volumetric

- Retail load uncertainty (e.g. COVID load impacts, weather)

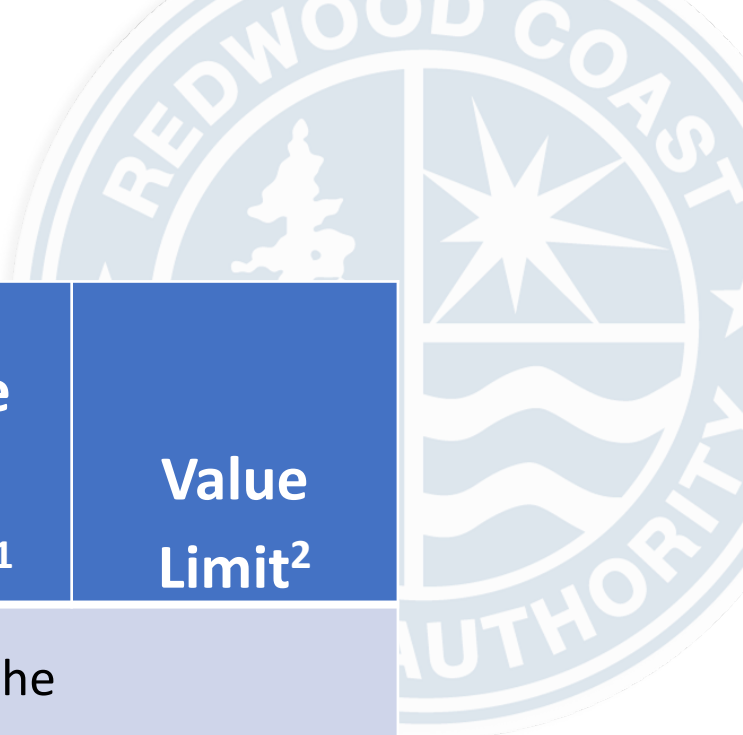
Reputational

- Loss of community & customers’ trust
- Customer opt-outs

Risk Management Team



Delegation of Authority



Position	Maturity Limit	Term Limit	Volume Limit (MWh) ¹	Value Limit ²
RCEA Board of Directors	Any transaction that exceeds the Risk Management Team limits			
Risk Management Team	42 Months	36 Months	500,000	\$3,000,000
Executive Director	36 Months	30 Months	375,000	\$2,000,000
TEA	30 months	24 Months	250,000	\$1,000,000

1 Volume limit applies only to energy transactions.

2 Value limits apply to non-energy transactions (e.g. Resource Adequacy).



STAFF REPORT
Agenda Item # 8.1

GENDA DATE:	January 28, 2021
6TO:	Board of Directors
PREPARED BY:	Matthew Marshall, Executive Director
SUBJECT:	RePower Humboldt Energy Strategic Plan Update

SUMMARY

Following approximately nine months of analysis and gathering public input, in December of 2019 the RCEA Board adopted an update to the RePower Humboldt Strategic Plan, RCEA's comprehensive action plan for energy. The plan establishes goals and strategies to guide RCEA's work over the 2020-2030 period, and is available online at:

<https://redwoodenergy.org/wp-content/uploads/2020/06/RePower-2019-Update-FINAL-.pdf>

Staff intends to provide RePower Humboldt Plan updates every six months to keep the Board informed on implementation progress. At the meeting RCEA department directors will provide a presentation on the current status of plan implementation and related activities. This will include updates on the four focus areas of the plan:

1. Regional Planning and Coordination
2. Integrated Demand Side Management
3. Low-Carbon Transportation
4. Energy Generation and Utility Services.

STAFF RECOMMENDATION

N/A – Information only.