



## **BOARD OF DIRECTORS MEETING AGENDA**

October 22, 2020 -Thursday, 3:30 p.m.

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### **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.

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**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](mailto: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."

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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](mailto: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.

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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](http://www.redwoodenergy.org).

## **OPEN SESSION** Call to Order

### **1. REPORTS FROM MEMBER ENTITIES**

### **2. 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.

### **3. 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.

#### **3.1 Approve Minutes of:**

3.1.1 September 24, 2020, Regular Board Meeting

3.1.2 October 9, 2020, Special Board Meeting.

#### **3.2 Approve Disbursements Report.**

#### **3.3 Accept Financial Reports.**

#### **3.4 Authorize Staff to Solicit Bids and Secure Construction at the Eureka 3<sup>rd</sup> and H Street, Arcata Community Center and Fortuna City Hall RCEA Electric Vehicle Charging Sites as Appropriate for a Total Aggregate Budget Not to Exceed \$176,000, and to Seek Reimbursement Through the CALeVIP Program, and Authorize the Executive Director to Execute All Applicable Documents.**

### **4. 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.

### **5. OLD CCE BUSINESS**

#### **5.1. Energy Risk Management Quarterly Report**

##### **5.1.1. Energy Risk Management Quarterly Report by The Energy Authority Client Services Manager Jaclyn Harr**

Accept Energy Risk Management Quarterly Report.

##### **5.1.2. Power Charge Indifference Adjustment Update by RCEA Regulatory and Legislative Policy Manager Aisha Cissna (Information only)**

**5.2. 2019 Power Source Disclosure and Power Content Label Approval**

Adopt Resolution 2020-8 Approving and Attesting to the Veracity of the 2019 Power Source Disclosure Report and Power Content Label.

**5.3. CCE Program Rates Update (Information only)**

**6. NEW CCE BUSINESS – None.**

**END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS**

**7. OLD BUSINESS – None.**

**8. NEW BUSINESS**

**8.1 Creation of Ad Hoc Committee for Long-Duration Storage Procurement Review**

Create an ad hoc committee for long-duration storage procurement review, and appoint up to 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.

**9. STAFF REPORTS – None.**

**10. FUTURE AGENDA ITEMS**

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

**11. CLOSED SESSION**

**11.1 CONFERENCE WITH REAL PROPERTY NEGOTIATIONS** Pursuant to Government Code § 54956.8 in re: APNs 001-104-001-000, 001-114-006-000, 003-062-027-000, and 001-011-021-000; RCEA negotiator: Executive Director; Owner's negotiating party: Kramer Investment Corporation, Coldwell Banker Pacific Partners, and the City of Eureka; Under negotiation: price and terms.

**12. RECONVENE TO OPEN SESSION**

**13. REPORT FROM CLOSED SESSION**

**14. ADJOURNMENT**

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**NEXT REGULAR MEETING**

Thursday, November 19, 2020, 3:30 p.m.

In accordance with Executive Order N-29-20

the RCEA Board of Directors meetings will be held virtually until further notice.



## **BOARD OF DIRECTORS MEETING MINUTES**

**September 24, 2020 - Thursday, 3:30 p.m.**

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Notice of this meeting was posted on September 24, 2020. Executive Director Matthew Marshall called a regular meeting of the Board of Directors of the Redwood Coast Energy Authority to order on the above date at 3:30 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](#). Executive Director Marshall stated that the posted agenda contained public teleconference meeting participation instructions.

PRESENT: Chair Austin Allison (arrived 3:33 p.m.), Stephen Avis, Chris Curran, Dean Glaser, David Grover, Frank Wilson, Alternate Director Mike Wilson, Michael Winkler, Sheri Woo. ABSENT: Vice Chair Estelle Fennell. STAFF AND CONSULTANTS PRESENT: General Counsel Nancy Diamond, Power Resources Director Richard Engel, Power Resources Manager Jocelyn Gwynn, Executive Director Matthew Marshall, Accounts Services Manager Mahayla Slackerelli, Community Strategies Manager Nancy Stephenson, Board Clerk Lori Taketa. OTHERS PRESENT: Schatz Energy Research Center Principal Engineer Jim Zoellick.

### **REPORTS FROM MEMBER ENTITIES**

Director Grover reported he is assisting the ad hoc RCEA Racial Justice Action Plan Subcommittee by reaching out to the Yurok Tribe for input.

Alternate Director Mike Wilson contacted the County and Coastal Commission planning staffs to discuss potential planning and ordinance changes to accelerate electric vehicle adoption.

Director Winkler attended two offshore wind workshops through the Schatz Energy Research Center.

Director Woo reported that the Humboldt Bay Municipal Water District's hydro plant, headquarters and Ruth Lake facilities are still standing despite nearby fires. Staff were evacuated and the power plant was shut down while fires burned close by.

**ORAL COMMUNICATIONS** - There were no public comments for non-agenda items.

### **CONSENT CALENDAR**

- 3.1 [Approve Minutes of August 27, 2020, Board Meeting.](#)
- 3.2 [Approve Disbursements Report.](#)
- 3.3 [Accept Financial Reports.](#)

- 3.4** Approve Conflict of Interest Waiver for Braun Blaising Smith and Wynne, P.C. to Represent RCEA on a Ten-Year Resource Adequacy Sales Contract for 0.6 MW of Capacity from the Sandrini Sol 1 Solar Project with the Regents of the University of California.

Approve Ten-Year Resource Adequacy Sales Contract for 0.6 MW of Capacity from the Sandrini Sol 1 Solar Project with the Regents of the University of California, and Authorize the Executive Director to Execute All Applicable Documents.

- 3.5** Appoint ~~K~~Catherine Gurin and Roger Hess to the Community Advisory Committee for the Remainder of Two Terms Ending on April 13, 2021, and April 12, 2022, Respectively.

- 3.6** Approve Resolution 2020-6 Approving the Form of and Authorizing the Execution of a Memorandum of Understanding and Authorizing Participation in the Public Agency Coalition Enterprise (PACE) Medical Benefits Program, and

Resolution 2020-7 Designation of the Official Representative and Alternate Representative to the PACE JPA Board of Directors and Authorize the Executive Director to Sign All Applicable Documents.

- 3.7** Approve Addition of Milestones to Contract with Leapfrog Power, Inc.

Director Woo requested that agenda item 3.5 be removed from the consent calendar.

**M/S: Grover, Avis: Approve consent calendar items except item 3.5.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Glaser, Grover, F. Wilson, M. Wilson, Winkler, Woo. Noes: None. Absent: None.**

## **REMOVED FROM CONSENT CALENDAR ITEMS**

Executive Director Marshall reported that Eureka Community Advisory Committee member Kathy Srabian stepped down and Director Allison nominated Catherine Gurin to serve for the remainder of the term. Director Frank Wilson nominated Roger Hess. Both nominees worked for RCEA in the past. Director Woo praised Director Wilson for appointing a student, as service on the CAC can prepare young people for more public service.

There were no responses to Chair Allison's invitation for public comment. Chair Allison closed the public comment period.

**M/S: Woo, F. Wilson: Approve consent calendar item 3.5.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Glaser, Grover, F. Wilson, M. Wilson, Winkler, Woo. Noes: None. Absent: None.**

## **COMMUNITY CHOICE ENERGY (CCE) BUSINESS**

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

## **OLD CCE BUSINESS**

### **5.1. DG Fairhaven Update (Information only)**

Director Woo recused herself at 3:44 p.m. because of a remote conflict of interest. DG Fairhaven is a client of Director Woo's employer, SHN. Director Woo is a minority SHN shareholder. Director Woo does not supervise any SHN employee working with DG Fairhaven.

Power Resources Director Engel reported that the DG Fairhaven biomass plant ceased power generation in February. The company discontinued invoicing RCEA for resource adequacy (RA) after RCEA staff consulted with The Energy Authority and CAISO and was advised that DG Fairhaven should no longer claim RA value. Staff Director Engel shared communication from DG Fairhaven CEO Ed Kent stating that the company continues to seek buyers for the plant and that getting the plant back online would be extremely expensive. A New Hampshire newspaper reported that DG Fairhaven's parent company closed biomass plants in that state, causing job losses, when their governor vetoed a bill to subsidize the plants. DG Fairhaven's power purchase agreement (PPA) requires yearly renewal and will expire at the end of this calendar year if the Board takes no action. Staff Director Engel requested direction should the Board wish to continue the PPA.

The directors discussed the difficulty of finding replacement parts for the plant's antiquated equipment, the loss of a means of managing forest industry waste, and how not having a contract could affect the plant's sale prospects. Upon inquiry about how RCEA is making up for the lost DG Fairhaven RA, Staff Director Engel explained that RCEA had a surplus of bucket one renewable certificates which the Board approved selling earlier this year to make up for a budget shortfall. RCEA does not need more green attributes and is saving money by not purchasing energy from DG Fairhaven. Executive Director Marshall stated that a potential buyer came close to, but did not, purchase the plant, and that while it is possible for the plant to come back online, the changed world economy may make that more difficult.

There were no responses to Chair Allison's invitation for public comment. Chair Allison closed the public comment period.

Director Woo returned to the meeting at 3:56 p.m.

### **5.2. 2021 REpower+ Portfolio**

Power Resources Manager Jocelyn Gwynn presented a report on a staff proposal to modify the REpower+ power portfolio from 100% renewable to 100% carbon-free and renewable power beginning in 2021. REpower+ is RCEA's premium renewable electricity option and 1% of RCEA customers have opted up to REpower+. The proposed portfolio removes biomass power, and is comprised of equal parts of small hydropower, solar and wind energy. One Board-approved strategy from the 2019 RePower Humboldt strategic plan revision process was offering RCEA customers a 100% carbon-free option. This proposal would have no financial impact due to the small number of REpower+ customers and the replacement of biomass power, which is more expensive than the other carbon-free and renewable options.

The directors discussed the consequences of a significantly larger percentage of customers opting up to REpower+, the possible need to adjust the opt-up price, and the revised strategic plan goal to make REpower+ obsolete by transitioning RCEA's entire portfolio to non-fossil, renewable resources by 2025, five years earlier than the CCE program's original goal of 2030. Staff's original strategy anticipated the cost of renewables to be comparable with system power by 2030, but the shortened timeframe may result in a cost premium. This year's new requirement to purchase renewable energy through long-term contracts may improve prices. While solar energy is inexpensive, it cannot address energy needs when the sun sets. Other, more expensive resources are also needed to manage the grid. Directors stated the need for the electrons generated in Humboldt County to come from renewable sources rather than from the fossil fuel-powered Humboldt Bay Generating Station which provided 95% of Humboldt County's electricity during the last public safety power shutoff. Concern was expressed about PG&E's pricing, RCEA's ability to remain below their prices, and the regulatory environment that does not impose consequences on poor power procurement decisions of utility companies.

Member of the public Wendy Ring stated that while REpower+ customers are willing to pay higher rates, if power costs go down, so should their rate. Ms. Ring stated that the diversion of program funds to customer programs was not transparent, and that it was preferable to reduce the REpower+ rate so the program would attract more customers.

**M/S: Avis, Grover: Approve Proposed REpower+ Portfolio Starting in 2021 Consisting of Carbon-Free RPS Resources.**

**The motion passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Glaser, Grover, F. Wilson, M. Wilson, Winkler. Noes: None. Absent: None. Non-Voting: Woo.**

## **END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS**

### **OLD BUSINESS**

#### **7.1. Feed-In Tariff Program**

Accounts Services Manager Mahayla Slackerelli reported on two new feed-in tariff (FIT) projects to be developed by RPCA Solar 5, which also has contracted with RCEA for two more projects on a property outside of Blue Lake along Hatchery Road. The solar projects are expected to be operational in April 2022. If approved, the contracts, in addition to previously Board-approved FIT contracts, would fulfil the program's 6.5 MW capacity. A second FIT program round is expected to launch in the first quarter of 2021.

The directors expressed approval and support for the program. Executive Director Marshall explained the three key approvals any energy project requires are physical site permitting through the local jurisdiction, grid interconnection approval by CAISO and a power purchase agreement with a buyer. The developer has begun the County permitting process. Director Woo reported that a resident requested that the Humboldt Bay Municipal Water District oppose the project because of perceived water quality issues.

There were no responses to Chair Allison's invitation for public comment. Chair Allison closed the public comment period.

**M/S: Avis, Grover: Approve a 20-Year Power Purchase Agreement with RPCA Solar 5, LLC for the 990 kW Hatchery Road C Solar Project, and Authorize RCEA's Executive Director to Execute All Applicable Documents.**

**Approve a 20-Year Power Purchase Agreement with RPCA Solar 5, LLC for the 990 kW Hatchery Road D Solar Project, and Authorize RCEA's Executive Director to Execute All Applicable Documents.**

**The motions passed with a unanimous roll call vote. Ayes: Allison, Avis, Curran, Glaser, Grover, F. Wilson, M. Wilson, Winkler, Woo. Noes: None. Absent: None.**

**7.2. Update by Schatz Energy Research Center Staff on the Airport Microgrid Project (Information only)**

Schatz Energy Research Center (SERC) Principal Engineer Jim Zoellick gave a general status update on the Airport Microgrid Project, COVID impacts and timeline changes. Mr. Zoellick described the project as an innovative partnership between SERC, RCEA, the California Energy Commission and PG&E. The project is the first of its kind in Northern California and one of the first nationwide to position the large solar panel array and battery system on the PG&E side of the meter rather than the customer side, and on a grid section serving multiple customers. If the larger grid is de-energized, a switch opens that isolates the circuit serving the airport and Coast Guard station, allowing these critical facilities to remain energized for anywhere from 10-15 hours in the worst winter weather, to days or weeks under more favorable conditions. RCEA will own and operate the airport microgrid. PG&E is working closely with the project to establish a model for microgrid operators to safely and reliably operate portions of PG&E's energy network. Communities throughout the country, especially rural ones, are extremely interested in replicating this model for renewable energy-based resilience in a time of increasing grid uncertainty. This model would allow clustered community facilities like, as a hypothetical example, Arcata's city hall, police station, fire station and Safeway, to be connected via a microgrid and remain powered during emergencies.

During normal operation, the microgrid system's larger wholesale solar plus storage component stores power when the sun shines and power is inexpensive and sells the stored energy on the wholesale CAISO market when power is expensive. Avoided electricity purchases from the project's smaller net-metered solar component, appraised at \$50,000 to \$55,000 per year, are worth slightly more than the market value for leasing the land and will compensate the County. The project's FAA approval process is ending and construction has been pushed back one year. The County is processing the project's building permit and the CAISO grid interconnection process is underway.

The directors expressed excitement about the project and encouraged each other to enlist Mr. Zoellick to give presentations at different municipality or special district conferences, as community leaders are asking for real world examples of this kind of solution to current and anticipated energy emergencies.



## **STAFF REPORTS**

### **9.1. Report by Executive Director Matthew Marshall on Grid Reliability and the Power Charge Indifference Adjustment Customer Fee**

Executive Director Marshall reported on the power charge indifference adjustment, the customer exit fee charged to non-PG&E customers to prevent PG&E's remaining customers from shouldering costs for the utility's long-term power purchasing contracts. Many of those legacy contracts are priced above-market due to the early high cost of renewable energy as well as the lack of incentives for investor-owned utilities (IOUs) such as PG&E to operate cost-efficiently in the current regulatory structure. The PCIA fee makes up more than 20% of RCEA customers' power generation charges. San Diego Gas and Electric Company's recent, extreme proposed PCIA rate increase for the area's CCA customers is causing alarm among California CCAs and pressure on the CPUC to reform the regulatory structure to create more stable prices for CCA customers and to reduce IOU customer costs. Mr. Marshall stated that effects of the San Diego Gas & Electric CPUC decision are expected to be felt by CCA customers in other IOU service territories in 2021. The subject will be discussed in detail at October's Board meeting.

Mr. Marshall praised PG&E for successfully islanding Humboldt County during this year's public safety power shutoff event where only 3,000 customers lost power due to localized high fire risk. Generator use as an interim outage solution transfers the liability of remaining energized from PG&E to its customers, some of whom suffered generator-caused fires. The need to simultaneously pursue environmental and programmatic goals as well as resiliency and reliability goals was described, as was the County's limited grid connection and reliance on the local natural gas-powered plant. The airport microgrid and the Public Agency Solar Program's expansion to include battery storage with solar energy systems at critical facilities were described as important parts of a long-term solution which benefits everyday operation and provides resiliency during emergencies.

The directors expressed approval for PG&E successfully powering Humboldt County with the Humboldt Bay Generating Station, a desire for RCEA to support local agencies with infrastructure policies to meet the governor's directives for a transition to electric vehicles, and the need to protect CCA customers from excessive PCIA charges.

Chair Allison invited public comment on this discussion item. No public comment was offered.

## **FUTURE AGENDA ITEMS**

The directors requested future discussion of DG Fairhaven action options when more information is available and more information on the power charge indifference adjustment customer fee with next month's Energy Risk Management Report.

Chair Allison adjourned the meeting at 5:20 p.m.

Lori Taketa  
Clerk of the Board



Redwood Coast Energy Authority

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## **DRAFT BOARD OF DIRECTORS SPECIAL MEETING MINUTES**

**October 9, 2020 - Friday, 1:00 p.m.**

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Notice of this meeting was posted on October 7, 2020. Vice Chair Estelle Fennell called a special meeting of the Board of Directors of the Redwood Coast Energy Authority to order on the above date at 1:01 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, Chris Curran, Vice Chair Estelle Fennell, David Grover, Frank Wilson, Michael Winkler, Sheri Woo. ABSENT: Chair Austin Allison, Dean Glaser. STAFF PRESENT: Business Planning and Finance Director Lori Biondini, Operations Director Dana Boudreau, General Counsel Nancy Diamond, Executive Director Matthew Marshall, Community Strategies Manager Nancy Stephenson, Board Clerk Lori Taketa.

### **PUBLIC COMMENT**

Vice Chair Fennell invited public comment. There being no public comment nor any member of the public present, the Board met in closed session to discuss item 3.1 listed below beginning at 1:07 p.m.

### **CLOSED SESSION**

- 3.1. CONFERENCE WITH REAL PROPERTY NEGOTIATIONS** Pursuant to Government Code § 54956.8 in re: APNs 001-104-001-000, 001-114-006-000, 003-062-027-000, and 001-011-021-000; RCEA negotiator: Executive Director; Owner's negotiating party: Kramer Investment Corporation, Coldwell Banker Pacific Partners, and the City of Eureka; Under negotiation: price and terms.

### **ADJOURNMENT**

Vice Chair Fennell stated there was nothing to report out from closed session and adjourned the special meeting at 2:13 p.m.

Lori Taketa  
Clerk of the Board

**Redwood Coast Energy Authority**  
**Disbursements Report**  
**As of August 31, 2020**

Type	Date	Num	Name	Memo	Amount
Liability Check	08/10/2020	E-pay	EDD	499-0864-3 QB Tracking # 106972042	-4,570.46
Liability Check	08/10/2020	E-pay	Internal Revenue Service	74-3104616 QB Tracking # 107028042	-22,302.06
Check	08/10/2020	11158-68	NEM Customers	NEM Closeouts	-437.91
Check	08/10/2020	11169	CCE Customer	E-bike Rebate: EB76	-500.00
Check	08/10/2020	11170	CCE Customer	E-bike Rebate: EB22	-500.00
Check	08/10/2020	11171	CCE Customer	E-bike Rebate: EB75	-500.00
Bill Pmt -Check	08/10/2020	11172	BESC, Inc.	Drafting services.	-920.00
Bill Pmt -Check	08/10/2020	11173	Bithell, M.	Purchase reimbursements	-174.34
Bill Pmt -Check	08/10/2020	11174	Boutin Jones	Legal services	-1,445.24
Bill Pmt -Check	08/10/2020	11175	City of Arcata	July Utility User Tax	-9,688.19
Check	08/10/2020	11176	CCE Customer	E-bike Rebate: EB52	-500.00
Bill Pmt -Check	08/10/2020	11177	Boutin Jones	Legal services: PG&E Common Interest	-913.50
Bill Pmt -Check	08/10/2020	11178	City of Arcata	July Excessive Energy Use Tax	-4,694.88
Bill Pmt -Check	08/10/2020	11179	City of Blue Lake	July Utility User Tax	-754.06
Bill Pmt -Check	08/10/2020	11180	Diamond, Nancy	Legal services	-9,650.00
Bill Pmt -Check	08/10/2020	11181	Donald Dame	Professional Services - July 2020	-204.75
Bill Pmt -Check	08/10/2020	11182	Pierson's Home Ctr	Safety supplies	-55.30
Bill Pmt -Check	08/10/2020	11183	Platt/Rexel	ResKit Supplies	-433.57
Bill Pmt -Check	08/10/2020	11184	Recology	July garbage service	-91.71
Bill Pmt -Check	08/10/2020	11185	SDRMA Medical	September 2020 Premium	-25,019.58
Bill Pmt -Check	08/10/2020	11186	Times Printing Company	Msc. printing services	-1,304.45
Bill Pmt -Check	08/10/2020	11187	Verizon Wireless	July tablet/cell service for staff & equipment	-1,331.35
Check	08/10/2020	11188	CCE Customer	E-bike Rebate: EB81	-500.00
Check	08/10/2020	11189	CCE Customer	E-bike Rebate: EB27	-500.00
Check	08/10/2020	11190	CCE Customer	E-bike Rebate: EB78	-500.00
Check	08/10/2020	11191	CCE Customer	E-bike Rebate: EB84	-500.00
Check	08/10/2020	11192	CCE Customer	E-bike Rebate: EB53	-500.00
Check	08/10/2020	11193	CCE Customer	E-bike Rebate: EB24	-500.00
Check	08/10/2020	11194	CCE Customer	E-bike Rebate: EB57	-500.00
Check	08/10/2020	11195	CCE Customer	E-bike Rebate: EB3	-500.00
Check	08/10/2020	11196	CCE Customer	E-Bike rebate: EB67	-500.00
Bill Pmt -Check	08/10/2020	11197	VISA	July statement 6/19-7/20/20	-4,485.50
Liability Check	08/10/2020	11198	Umpqua Bank	Employee Health Savings Accounts	-806.14
Bill Pmt -Check	08/10/2020	11199	Mission Uniform & Linen	August mat service, janitorial supplies	-7.57
Bill Pmt -Check	08/10/2020	11200	North Coast Cleaning	July monthly cleaning service	-105.00
Bill Pmt -Check	08/10/2020	11201	Maher Accountancy	Accounting Services	-10,000.00
Liability Check	08/10/2020	ACH	Newport Group	Employee Deferred Compensation	-12,084.26
Paycheck	08/10/2020	ACH	Employees	Payroll 7/15-7/31/20	-54,214.69
Bill Pmt -Check	08/25/2020	ACH	Humboldt Redwood Company	Humboldt Redwood Co. July 2020	-554,005.29
Bill Pmt -Check	08/25/2020	ACH	CalPine Corporation	Calpine July 2020 Costs	-73,531.00
Liability Check	08/25/2020	E-pay	EDD	Taxes	-4,085.11
Liability Check	08/25/2020	E-pay	Internal Revenue Service	Taxes	-20,518.70
Bill Pmt -Check	08/25/2020	11202	Advanced Security	Security monitoring: Aug-Oct. 2020	-124.50
Bill Pmt -Check	08/25/2020	11203	AT&T	July 707269177 telephone charges	-329.65
Bill Pmt -Check	08/25/2020	11204	Boutin Jones	Legal services: PG&E and Common Interest	-171.92
Bill Pmt -Check	08/25/2020	11205	City of Eureka-Water	Water service, 6/26-7/23/20	-237.72
Bill Pmt -Check	08/25/2020	11206	CoPower	August & September Premiums	-648.80
Bill Pmt -Check	08/25/2020	11207	FedEx	ResKit Shipping	-212.39

# Redwood Coast Energy Authority

## Disbursements Report

As of August 31, 2020

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	08/25/2020	11208	Hand Therapy Center	28 ergonomic evaluations	-6,000.00
Bill Pmt -Check	08/25/2020	11209	Humboldt Bay Coffee Co.	Office Coffee	-51.90
Bill Pmt -Check	08/25/2020	11210	KnowBe4	Security Awareness Training	-1,290.38
Bill Pmt -Check	08/25/2020	11211	Marshall, M.	M. Marshall travel: Offshore Wind presentation & Ca	-90.63
Bill Pmt -Check	08/25/2020	11212	Newport Group	Participant Fees for Retirement Plan	-812.50
Bill Pmt -Check	08/25/2020	11213	NYLEX.net, Inc.	Onsite network support services - August	-3,200.00
Bill Pmt -Check	08/25/2020	11214	PG&E EV Account	EV stations June	-369.67
Bill Pmt -Check	08/25/2020	11215	PG&E Utility Account	6/22-7/21/20 utilities	-554.07
Bill Pmt -Check	08/25/2020	11216	Ray Morgan Company	Printer Charges: 7/6-8/5/20	-19.22
Bill Pmt -Check	08/25/2020	11217	SDRMA Dental	September Premium	-1,512.31
Bill Pmt -Check	08/25/2020	11218	SDRMA P&L	P&L Insurance package invoice	-62,931.46
Bill Pmt -Check	08/25/2020	11219	SDRMA WC	FY 20-21 compensation program invoice	-26,689.78
Bill Pmt -Check	08/25/2020	11220	Suddenlink Communications	Phone & Internet access - August	-1,095.28
Bill Pmt -Check	08/25/2020	11221	Winzler, John	Office Lease - September	-5,582.00
Liability Check	08/25/2020	11222	Umpqua Bank	Employee Health Savings Accounts	-806.14
Liability Check	08/25/2020	11223	Calvert	Employee Deferred Compensation	-1,893.22
Bill Pmt -Check	08/25/2020	11224	Mission Uniform & Linen	August mat service, janitorial supplies	-7.57
Check	08/25/2020	11225	CCE Customer	E-Bike Rebate: EB33	-500.00
Check	08/25/2020	11226	CCE Customer	E-Bike Rebate: EB74	-500.00
Paycheck	08/25/2020	ACH	Employees	Payroll 8/1-8/15/20	-50,378.12
<b>TOTAL</b>					<b>-990,343.84</b>

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

	<b>Jul - Aug 20</b>	<b>Budget</b>	<b>% of Budget</b>
<b>Ordinary Income/Expense</b>			
<b>Income</b>			
<b>5 REVENUE EARNED</b>			
5000 · Revenue - government agencies	0.00	737,317.00	0.0%
Total 5100 · Revenue - program related sales	1,113.48	9,000.00	12.37%
Total 5400 · Revenue-nongovernment agencies	35,875.75	1,556,600.00	2.31%
Total 5500 · Revenue - Electricity Sales	8,992,894.61	41,763,500.00	21.53%
<b>Total 5 REVENUE EARNED</b>	<b>9,029,883.84</b>	<b>44,066,417.00</b>	<b>20.49%</b>
<b>Total Income</b>	<b>9,029,883.84</b>	<b>44,066,417.00</b>	<b>20.49%</b>
<b>Gross Profit</b>	<b>9,029,883.84</b>	<b>44,066,417.00</b>	<b>20.49%</b>
<b>Expense</b>			
Total 6 WHOLESALE POWER SUPPLY	7,499,295.79	36,074,000.00	20.79%
Total 7 PERSONNEL EXPENSES	431,858.73	2,838,644.00	15.21%
Total 8.1 FACILITIES AND OPERATIONS	32,333.38	6,606,484.00	0.49%
Total 8.2 COMMUNICATIONS AND OUTREACH	4,393.45	114,000.00	3.85%
8.3 TRAVEL AND MEETINGS	0.00	18,450.00	0.0%
<b>8.4 PROFESSIONAL &amp; PROGRAM SRVS</b>			
8400 · Regulatory	45,077.02	120,000.00	37.56%
8410 · Contracts - Program Related Ser	25,349.75	406,000.00	6.24%
8420 · Accounting	0.00	75,000.00	0.0%
8430 · Legal	24,055.15	125,000.00	19.24%
8450 · Wholesale Services - TEA	102,897.74	620,500.00	16.58%
8460 · Procurement Credit - TEA	107,453.73	650,500.00	16.52%
8470 · Data Management - Calpine	147,087.30	913,450.00	16.1%
<b>Total 8.4 PROFESSIONAL &amp; PROGRAM SRVS</b>	<b>451,920.69</b>	<b>2,910,450.00</b>	<b>15.53%</b>
Total 8.5 PROGRAM EXPENSES	49,615.41	627,550.00	7.91%
Total 8.6 INCENTIVES & REBATES	10,291.30	601,000.00	1.71%
<b>Total 9 NON OPERATING COSTS</b>	<b>9,141.50</b>	<b>35,500.00</b>	<b>25.75%</b>
<b>Total Expense</b>	<b>8,488,850.25</b>	<b>49,826,078.00</b>	<b>17.04%</b>
<b>Net Ordinary Income</b>	<b>541,033.59</b>	<b>-5,759,661.00</b>	<b>-9.39%</b>
<b>Other Income/Expense</b>			
<b>Total Other Income</b>	<b>0.00</b>	<b>6,000,000.00</b>	<b>0.0%</b>
<b>Net Other Income</b>	<b>0.00</b>	<b>6,000,000.00</b>	<b>0.0%</b>
<b>Net Income</b>	<b>541,033.59</b>	<b>240,339.00</b>	<b>225.11%</b>

**Redwood Coast Energy Authority**  
**Balance Sheet**  
As of August 31, 2020

	<u>Aug 31, 20</u>
<b>ASSETS</b>	
<b>Current Assets</b>	
<b>Checking/Savings</b>	
1010 · Petty Cash	493.22
1050 · GRANTS & DONATIONS 3840	15,204.58
1060 · Umpqua Checking Acct 0560	1,418,163.29
1071 · Umpqua Deposit Cntrol Acct 8215	9,087,790.10
1075 · Umpqua Reserve Account 2300	2,000,000.00
8413 · COUNTY TREASURY 3839	5,065.52
<b>Total Checking/Savings</b>	<u>12,526,716.71</u>
<b>Total Accounts Receivable</b>	114,308.94
<b>Other Current Assets</b>	
1101 · Allowance for Doubtful Accounts	-640,117.38
1103 · Accounts Receivable-Other	5,810,602.96
1120 · Inventory Asset	21,715.00
1202 · Prepaid Expenses	-48,741.13
1210 · Retentions Receivable	1,001.00
1499 · Undeposited Funds	-24,876.74
<b>Total Other Current Assets</b>	<u>5,119,583.71</u>
<b>Total Current Assets</b>	17,760,609.36
<b>Total Fixed Assets</b>	151,725.39
<b>Other Assets</b>	
1700 · Retained Deposits	2,095,380.00
<b>Total Other Assets</b>	<u>2,095,380.00</u>
<b>TOTAL ASSETS</b>	<u><u>20,007,714.75</u></u>
<b>LIABILITIES &amp; EQUITY</b>	
<b>Liabilities</b>	
<b>Current Liabilities</b>	
Total Accounts Payable	3,591,859.14
Total Credit Cards	-413.63
<b>Other Current Liabilities</b>	
2001 · Accounts Payable-Other	0.00
2013 · Unearned Revenue - PA 2020-2023	1,896,704.00
<b>Total 2100 · Payroll Liabilities</b>	<u>130,543.24</u>
<b>Total Other Current Liabilities</b>	<u>2,027,247.24</u>
<b>Total Current Liabilities</b>	<u>5,618,692.75</u>
<b>Total Long Term Liabilities</b>	<u>0.00</u>
<b>Total Liabilities</b>	5,618,692.75
<b>Equity</b>	
2320 · Investment in Capital Assets	151,725.38
3900 · Fund Balance	13,696,263.03
Net Income	541,033.59
<b>Total Equity</b>	<u>14,389,022.00</u>
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<u><u>20,007,714.75</u></u>



**STAFF REPORT**  
**Agenda Item # 3.4**

AGENDA DATE:	October 22, 2020
TO:	Board of Directors
PREPARED BY:	Dana Boudreau, Director of Operations
SUBJECT:	EV Charging Network: CALeVIP Phase 2 grant funds for new sites

**SUMMARY**

In May 2019 the Redwood Coast Energy Authority applied for state CALeVIP grant funds to upgrade electric vehicle (EV) charging equipment in our charging network. RCEA also applied for an additional \$120,000 at three other locations that were wait-listed. As stated in our staff report in November 2019, these sites would be handled through a future approval process if they received reservations.

All three sites have now received funding reservations and can proceed as Phase 2 of RCEA's CALeVIP-funded charging station installation process. These are a new site in an Old Town Eureka city public street parking area, a new site at the Arcata Community Center, and the existing Fortuna location across from the City Hall; see table below.

EV Charger Site	Amount Requested	Status
Eureka 3 <sup>rd</sup> and H Street	\$65,000	Reserved
Arcata Community Center	\$48,000	Reserved
Fortuna City Hall	\$13,000	Reserved

RCEA seeks to solicit bids from qualified contractors to install new hardware and perform necessary site modifications.

For the Fortuna site, RCEA will purchase the hardware at a discount through pre-approved equipment vendor ChargePoint and no changes will be required for electrical service, although site modifications may be needed to meet new ADA compliance requirements. For the two new installations at Eureka H Street and the Arcata Community Center, RCEA will be responsible to purchase equipment, procure contractors to complete electrical and site design, upgrade the electrical capacity of the sites as required, install the charging stations, and make any required modifications to the site parking spaces.

Staff recommends a working project budget of \$176,000, composed of \$126,000 in reserved grant funds and \$50,000 of RCEA general funds.

**FINANCIAL IMPACTS**

Using \$50,000 of RCEA general funds will secure up to \$126,000 in CALeVIP grant funds to sustain or expand our EV charging network at high-value locations. The resulting charging stations will be capital assets owned and operated by RCEA and will generate revenue from the sale of electricity to EV drivers.

Due to uncertainty about these wait-listed funding requests the FY20-21 Budget did not include the full scope of these projects in the \$153,500 expenses budgeted toward upgrades to RCEA EV charging network and the \$74,000 in budgeted revenue from state CALeVIP funding. As a result these projects will result in increases in both revenue from State funding as well as capital development expenses.

## **RECOMMENDED ACTIONS**

Authorize Staff to Solicit Bids and Secure Construction at the Eureka 3<sup>rd</sup> and H Street, Arcata Community Center and Fortuna City Hall RCEA Electric Vehicle Charging Sites as Appropriate for a Total Aggregate Budget Not to Exceed \$176,000, and to Seek Reimbursement Through the CALeVIP Program, and Authorize the Executive Director to Execute All Applicable Documents.





**STAFF REPORT**  
**Agenda Item # 5.1 - 1**

AGENDA DATE:	October 22, 2020
TO:	Board of Directors
PREPARED BY:	Richard Engel, Director of Power Resources Aisha Cissna, Regulatory and Legislative Policy Manager Jaclyn Harr, TEA Client Services Specialist
SUBJECT:	Energy Risk Management Quarterly Report

**BACKGROUND**

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.

As part of the update, Regulatory and Legislative Policy Manager Aisha Cissna will provide a report on the power charge indifference adjustment (PCIA), reviewing basics of this exit fee charged by PG&E to community choice energy customers and providing information on recent PCIA developments.

This quarter's review will also include discussion of the summer's statewide heat storm and resulting rotating power outages, as well as analysis of RCEA electric customers' response to the Flex Alerts that the state called for in response to the power supply emergency. Attached is a summary from RCEA's expert counsel Braun Blaising Smith Wynne, P.C. of a "Preliminary Root Cause Analysis of the Mid-August 2020 Heat Storm Events" report released jointly on October 6 by the California Public Utilities Commission, the California Energy Commission, and the California Independent System Operator. The full 121-page report is available at: <http://www.caiso.com/Documents/Preliminary-Root-Cause-Analysis-Rotating-Outages-August-2020.pdf>.

**SUMMARY**

TEA Client Services Specialist Jaclyn Harr and RCEA staff will provide an energy risk management quarterly program update.

**RECOMMENDED ACTION**

Accept Energy Risk Management Quarterly Report.

**ATTACHMENTS**

- BBSW summary of the CAISO, CPUC, and CEC joint "Preliminary Root Cause Analysis of the Mid-August 2020 Heat Storm Events" report

Energy Risk Management Quarterly Report slides will be presented at the meeting.



# REDWOOD COAST Energy Authority

## STAFF REPORT Agenda Item # 5.1 - 2

AGENDA DATE:	October 22, 2020
TO:	Board of Directors
PREPARED BY:	Aisha Cissna, Regulatory and Legislative Policy Manager Richard Engel, Director of Power Resources
SUBJECT:	Power Charge Indifference Adjustment Update

### SUMMARY

The exit fee known as the Power Charge Indifference Adjustment (PCIA) is charged by Investor Owned Utilities (IOUs) to customers in order to recoup costs incurred due to these two reasons:

- 1) In the past the IOU entered into long-term power contracts and built generation resources that are now more expensive relative to current market prices, and
- 2) The IOU committed to more long-term resources than are needed to serve its current customers' load.

The PCIA appears on CCA customers' bills separate from generation charges, but RCEA factors the PCIA into setting our generation rates so that the overall electrical charges remain below what the customer would pay as a bundled PG&E customer. Bundled PG&E customers pay for both electricity distribution and generation through PG&E. Unbundled customers pay for electricity distribution through PG&E and generation through a third-party provider, such as RCEA. Both bundled and unbundled customers pay the above-market prices captured in the PCIA fee, but for bundled customers it is included within the PG&E generation charges.

The PCIA rate is one of the chief challenges to the financial viability of the CCA business model; the PCIA paid by CCA customers in PG&E's territory has risen more than 600% since 2013 and has nearly doubled since the California Public Utilities Commission (CPUC) changed the PCIA rules in 2018.

Typically, the IOUs forecast the revenue they require to recoup PCIA costs on an annual basis. The CPUC put in place a cap on the PCIA fee with the intention of preventing customers from having to bear a heavy cost burden all at once; however, if the cap results in a PCIA undercollection of 7% or more of the forecasted PCIA revenues, the IOU must file what's called a "trigger" application. If the application is granted, IOUs are authorized to expedite rate recovery.

In August, San Diego Gas and Electric—an IOU in Southern California—filed a trigger application that sought to recoup \$9M in PCIA undercollections from customers by year-end. If the application is approved, the PCIA rate for CCA residential customers in SDG&E's service area will rise to nearly \$0.50/kWh -- roughly 16 times their current PCIA rate of \$0.03/kWh.

The CPUC has yet to approve SDG&E's application, and at this point an approval appears unlikely. In addition to concerns over the impact to CCA customers in SDG&E's territory, CCAs have voiced concern about the precedent that an approval would set for other IOU trigger applications.

PG&E filed a trigger application in late August with an estimated undercollected balance of \$250M. However, PG&E is not intending to recover the undercollected balance by year-end, as this would entail a drastic rate increase.

These recent regulatory developments highlight numerous unresolved policy questions: Should the trigger allow the IOU to recover the full undercollection, or just an amount needed to return to some point below the trigger level? Is the cap and trigger an effective mechanism, or should it be eliminated? How should the value associated with PG&E's excess generation be allocated to unbundled customers?

While these policy questions hang in the balance, the one certainty is that customers will still be responsible for paying the PCIA.

The extent to which this year's RCEA generation rates will be impacted is still being determined via CPUC regulatory proceedings. The Energy Authority has prepared a best forecast scenario using the most recent data available in preparing RCEA's financial model as part of the October 2020 quarterly risk report.

#### **FINANCIAL IMPACTS**

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The financial impact of the uncollected PCIA balance is not yet known.

#### **STAFF RECOMMENDATION**

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None – information only.

#### **ATTACHMENT**

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PCIA report slides will be presented at the meeting.

# **Braun Blaising Smith Wynne, P.C.**

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Attorneys at Law

## **Summary of the Preliminary Root Cause Analysis of the Mid-August 2020 Heat Storm Events**

BBSW has developed this summary of the 121 page Preliminary Root Cause Analysis of the August grid events that led to rotating outages. We have kept the summary confined to the facts as they are presented in the report, and not opined on certain of the conclusions which we believe will be subject to further scrutiny and interpretation.

### **I. Introduction**

Following two rotating outages on August 14 and 15, 2020 during a heat storm impacting the Western U.S., Governor Newsom requested that the California Independent System Operator (“CAISO”), California Public Utilities Commission (“CPUC”) and California Energy Commission (“CEC”) implement immediate actions to minimize the rotating outages as well as perform a review of the outage events, existing forecasting methods, and resource adequacy (“RA”) requirements. On Tuesday October 6, 2020, the agencies submitted a Preliminary Root Cause Analysis which identified several factors that contributed to the outages and proposed near- and long-term recommendations for actions the agencies and the State should take to ensure reliability and prevent outages in the future.

### **II. Factors Contributing to the Outages**

- The report states that the existing resource planning processes are not designed to address an extreme heat storm.
  - The heat storm in August was a 1-in-35 year weather event.
  - The current resource adequacy (“RA”) obligation is planned for a 1-in-2 weather event and adds a 15% planning reserve margin (“PRM”) for deviations from a 1-in-2 event.
- In transitioning to a reliable, clean, and affordable resource mix, the report states that resource planning targets have not kept pace to lead to sufficient resources that can be relied upon to meet demand in the early evening hours.
  - For August 2020, all LSEs met their RA obligations either with physical resources or demand response shown to the CAISO.
    - However RA was developed around a single peak demand and with the increase of solar penetration, a single critical period of peak demand is giving way to multiple critical periods during the day.
    - Net demand peak, which is the peak of load net of solar and wind generation resources, occurs later in the day than peak, and is becoming the most challenging time in which to meet demand.
- The report also claims that there were imports available than could not be physically delivered based on limited transfer capability due to a derate of the California Oregon Intertie, which caused the total import level to be less than the amount the CAISO typically received.

- Additionally, wind production was negatively impacted by storm patterns through the demand peak and net demand peak on August 15.
- The report also attributes some practices in the day-ahead market to the inability to obtain additional energy that could have alleviated the strained conditions on the grid, including: under-scheduling of demand in the day-ahead market by scheduling coordinators, convergence bidding masking the tight supply conditions, and the configuration of the residual unit commitment market process.

### **III. Preliminary Recommendations**

- The report provides preliminary recommendations including recommendations to:
  - Update the resource and reliability planning targets to better account for extreme weather events and a transitioning electricity resource mix,
  - Ensure that the generation and storage projects that are currently under construction in California are completed by their targeted online dates,
  - Expedite the regulatory and procurement processes to develop additional resources that can be online by 2021,
  - Coordinate additional procurement by non-CPUC jurisdictional entities, and
  - Enhance CAISO market practices to ensure they accurately reflect the actual balance of supply and demand during stressed operating conditions.
- Near-Term Recommendations – by Summer 2021
  - The report provides the following near-term recommendations for resource planning and procurement
    - Increase RA requirements for (load serving entities (“LSEs”)) to more accurately reflect increasing risk of extreme weather events.
      - The report notes that the 1-in-2 load forecast plus a 15% reserve margin should be updated to better account for heat storms like the ones encountered in both August and September.
    - Bring additional resources online by 2021, including coordination with non-CPUC jurisdictional entities.
      - The report notes this will most likely focus on demand side resources like demand response.
    - Modernize Flex Alert which is a media campaign asking the public to conserve electricity on peak demand days.
    - The report notes that the CAISO and CEC should work with the non-CPUC jurisdictional entities to pursue consistency between CPUC and non-CPUC jurisdictional entity planning targets, including forecasting and PRM targets.
    - Continue the CAISO’s efforts to stipulate its expectations on RA counting requirements applied by CPUC and non-CPUC jurisdictional entities.
  - Market Enhancements
    - Address under-scheduled CAISO load in the day-ahead market by:
      - Continuing the CAISO’s practice of notifying the market of the degree of under-scheduled load based on prior day results of the day-ahead market and request that LSE scheduling coordinators properly schedule their anticipated load in the day-ahead, and

- Increasing outreach to LSEs to discuss and resolve any issues with their ability to schedule the amount of load in the day-ahead market consistent with system conditions.
  - The CAISO should use its stakeholder process to:
    - Continue to review and clarify the existing rules for scheduling priorities and protection of internal and external schedules to ensure that market processes appropriately curtail lower priority exports that are not supported by non-RA resources,
    - Pursue redesign of CAISO RA market rules and develop a process to evaluate monthly RA supply plans with backstop if necessary,
    - Continue to work with stakeholders and the CPUC to clarify and refine counting rules as they apply to hydro, demand response, renewable, and use limited resources, as well as imports.
    - Continue the process to enhance the day-ahead market design.
  - The CEC, in coordination with CPUC, CAISO, and other BAAs, will begin developing a statewide summer assessment to provide additional information to support RA proceedings beginning in 2021.
  - The CAISO, CEC, and CPUC will develop communication protocols to trigger statewide coordination with other State agencies, the Governor's Office, Investor Owned Utilities ("IOUs"), municipals or POU's, and the CCAs, in the event of extreme events.
  - The CEC will draft a Contingency Plan to lay out a process to sequence emergency measures in rank order to minimize environmental, equity, and safety impacts of unanticipated stressed conditions.
    - These measures will include: load flexibility and conservation from large users, moving demand to microgrids and back-up generation (including emergency use of diesel generation that the three large electric IOUs own or have under contract for use in major emergencies such as wildfire prevention and wildfire or earthquake response), and temporary increase capacity of existing generation resources.
- Mid-Term (2022-2025) and Long-Term Recommendations
  - Consider whether new resources are needed in the mid- and longer-term timeframes.
  - Accelerate deployment of demand side resources including dynamic rate designs that reflect real-time market conditions.
    - The CPUC and CEC should open additional proceedings to expand dynamic rate plans and encourage the roll out of automated devices. This will include coordination with the smaller non-CPUC jurisdictional entities and CCAs to encourage them to implement similar rate plans and automate access to them.
  - Consider where diverse resources can be built, taking into account transmission and land use considerations.
  - The CEC, along with the CPUC, CAISO, and statewide LSEs, will develop assessments as part of the Integrated Energy Policy Report ("IEPR") to develop state-wide, and WECC-wide RA assessments.

- The IEPR should also be expanded to include transmission planning considerations, and update the range of climate scenarios to be considered in CEC forecasting.

#### **IV. Next Steps**

- The report notes that implementation of the above recommendations will involve processes within State agencies and the CAISO, partnership with the Legislature, and collaboration and input from stakeholders within California and across the West.
- The report also details additional analysis that will be performed for the final version of this report including:
  - An Evaluation of how credited resources performed across the CPUC and non-CPUC jurisdictional footprints.
  - An evaluation of demand response performance based on settlement meter data.
  - An analysis of how different LSE scheduling coordinators scheduled load in the day-ahead market compared with their forecasted peak demand, to understand and address the underlying drivers.
  - Improvement of communications to utility distribution companies to ensure appropriate response during future critical reliability events and grid needs.
  - Review of the performance of specific resources during the heat storm.



Power  
Charge  
Indifference  
Adjustment  
Regulatory  
Update



# Power Charge Indifference Adjustment (PCIA)

- Rate component charged to recover IOU's above-market “stranded” costs of generating resources
- Charged to both **bundled and CCA customers**



Electricity  
Generation

Electricity  
Distribution

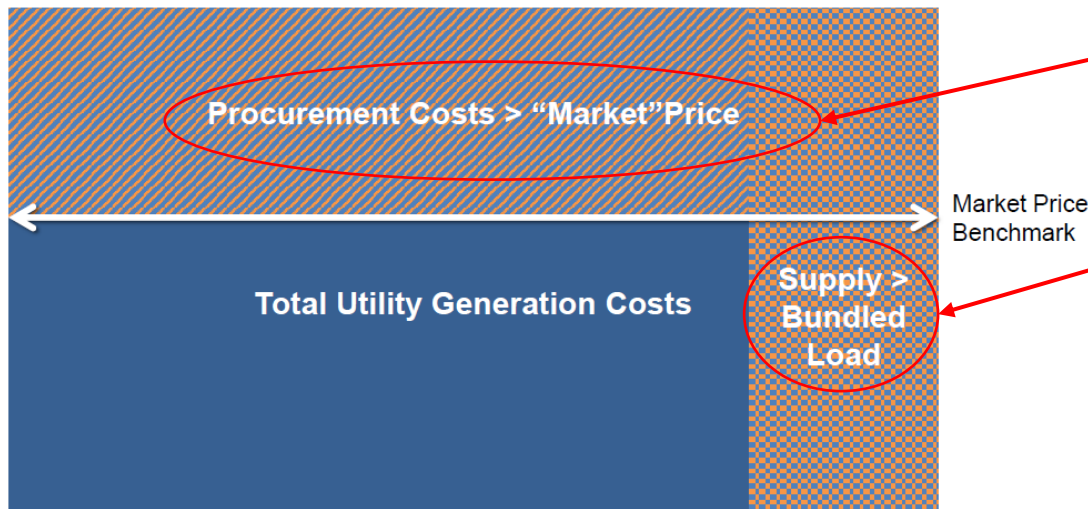


Bundled  
customer



Unbundled  
customer

# The purpose of the PCIA is to recover “stranded” costs

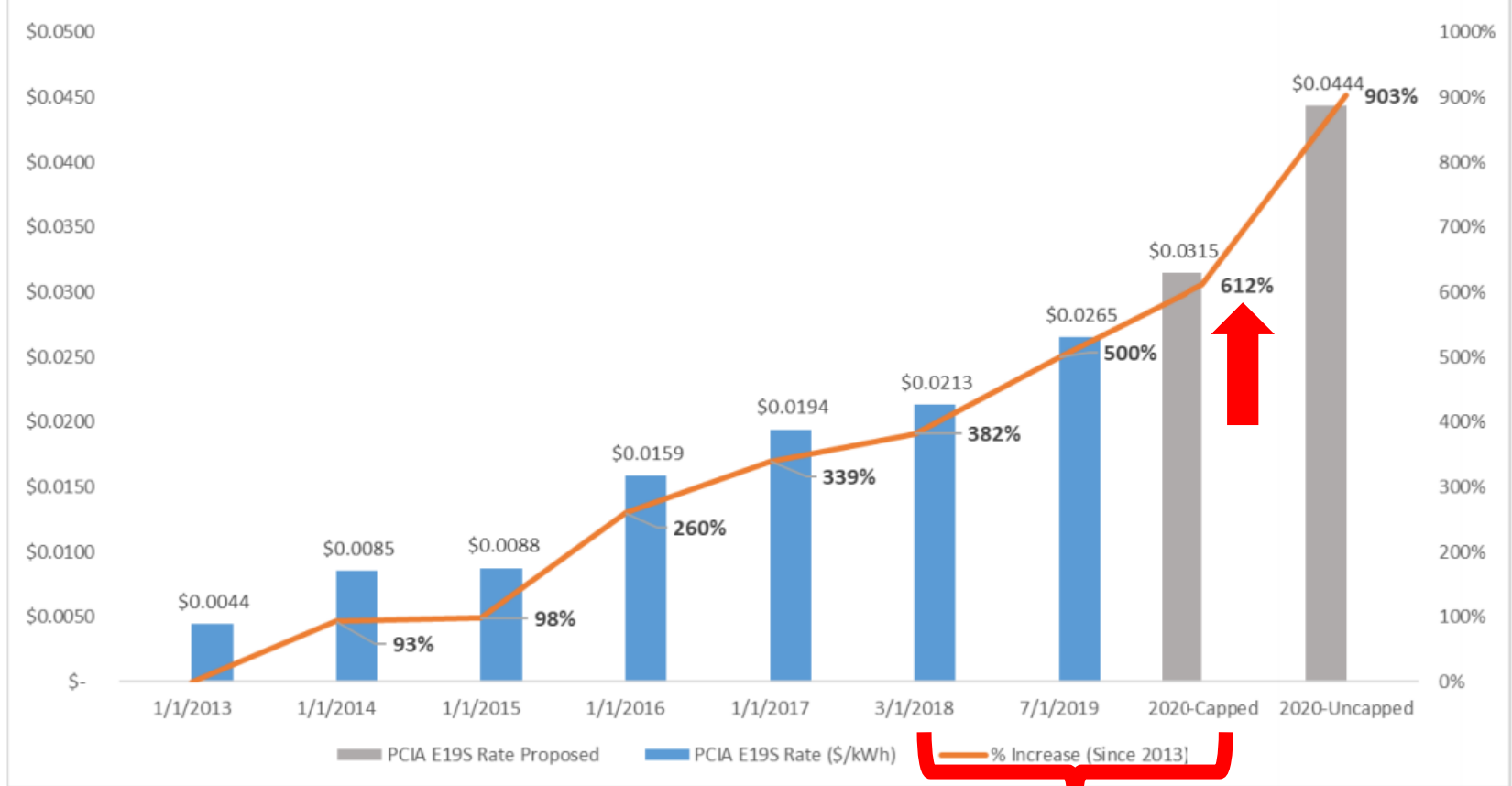


Costs can be stranded because:

- 1) IOU entered contracts that are now **more expensive** relative to current market prices
- 2) **Overprocurement** (IOU bought too much energy to serve load, due to load forecast error or customers departing the system)

In other words: Total amount you pay for power = Price x Quantity. Costs can be stranded because Price is too big, or Quantity is too big, or both.

# PG&E PCIA Growth Rate - 2013-2020



50% increase

Unbundled  
customer



## ENERGY STATEMENT

[www.pge.com/MyEnergy](http://www.pge.com/MyEnergy)

Account No: 1234567891-0  
Statement Date: 06/19/2017  
Due Date: 07/10/2017

### Important Phone Numbers - 24 hours per day, 7 days per week

#### Customer Service (All Languages; Relay Calls Accepted) 1-800-743-5000 TDD/TTY (Speech/Hearing Impaired) 1-800-652-4712

Servicio al Cliente en Español (Spanish) 1-800-660-6789  
華語客戶服務 (Chinese) 1-800-893-9555

Dịch vụ khách tiếng Việt (Vietnamese) 1-800-298-8438  
Business Customer Service 1-800-468-4743

#### Rules and rates

You may be eligible for a lower rate. To learn more about optional rates or view a complete list of rules and rates, visit [www.pge.com](http://www.pge.com) or call 1-800-743-5000.

If you believe there is an error on your bill, please call 1-800-743-5000 to speak with a representative. If you are not satisfied with our response, contact the California Public Utilities Commission (CPUC), Consumer Affairs Branch, 505 Van Ness Avenue, San Francisco, CA 94102, 1-800-649-7570 or 415-703-2032 (TDD/TTY).

To avoid having service turned off while you wait for a CPUC decision, enclose a deposit check (payable to the CPUC) for the disputed amount and a description of the dispute. The CPUC will only accept deposits for matters that relate directly to billing accuracy. If it is not possible for you to pay your deposit, you must advise the CPUC. PG&E can not turn off your service for nonpayment while it is under review by the CPUC, however, you must continue to pay your current charges to keep your service turned on.

If you are not able to pay your bill, call PG&E to discuss how we can help. You may qualify for reduced rates under PG&E's CARE program or other special programs and agencies may be available to assist you. You may qualify for PG&E's Energy Savings Assistance Program which is an energy efficiency program for income-qualified residential customers.

#### Important definitions

**Rotating outage blocks** are subject to change without advance notice due to operational conditions.

**Tier 1 / Baseline allowance:** Some residential rates are given a Tier 1 / Baseline allowance - a CPUC approved percentage of average customer usage during summer and winter months. Your Tier 1 / Baseline allowance provides for basic needs at an affordable price and encourages conservation. Your allowance is assigned based on the climate where you live, the season and your heat source. As you use more energy, you pay more for usage.

Electric Tier *	% of Baseline (after 8/1/2016)
1	0% - 100%
2	> 100%

\* Doesn't apply to EV & ETOUA/B

**DWR bond charge:** Recovers the cost of bonds issued by the Department of Water Resources (DWR) to purchase power to serve electric customers during the California energy crisis. DWR bond charges are collected on behalf of DWR and do not belong to PG&E.

**DWR power charge:** Included in generation charges. In 2016, DWR will return \$38,141,051 to bundled service customers which offsets other generation charges in this bill.

**Power Charge Indifference Adjustment (PCIA):** Ensures that non-exempt customers under PG&E's GT and ECR rate schedules or who purchase electricity (generation) from non-PG&E suppliers pay their share of generation costs.

**Gas Public Purpose Program (PPP) Surcharge.** Used to fund state-mandated gas assistance programs for low-income customers, energy efficiency programs, and public-interest research and development.

Visit [www.pge.com/billexplanation](http://www.pge.com/billexplanation) for more definitions. To view most recent bill inserts including legal or mandated notices, visit [www.pge.com/billinsets](http://www.pge.com/billinsets).

#### Your Electric Charges Breakdown (Delivery)

Conservation Incentive	-\$3.80
Transmission	2.96
Distribution	9.19
Electric Public Purpose Programs	1.61
Nuclear Decommissioning	0.16
DWR Bond Charge	0.59
Competition Transition Charges (CTC)	0.14
PCIA	3.12
Taxes and Other	0.06
<b>Total Electric Charges</b>	<b>\$14.03</b>

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# Bundled customer

## Important Phone Numbers - Monday-Friday 7 a.m.-9 p.m., Saturday 8 a.m.-6 p.m.

### Customer Service (All Languages; Relay Calls Accepted) 1-800-743-5000

#### TTY 7-1-1

Servicio al Cliente en Español (Spanish) 1-800-660-6789  
華語客戶服務 (Chinese) 1-800-893-9555

Dịch vụ khách tiếng Việt (Vietnamese) 1-800-298-8438  
Business Customer Service 1-800-468-4743

#### Rules and rates

You may be eligible for a lower rate. To learn more about optional rates or view a complete list of rules and rates, visit [www.pge.com](http://www.pge.com) or call 1-800-743-5000.

If you believe there is an error on your bill, please call 1-800-743-5000 to speak with a representative. If you are not satisfied with our response, contact the California Public Utilities Commission (CPUC), Consumer Affairs Branch (CAB), 505 Van Ness Avenue, Room 2003, San Francisco, CA 94102, 1-800-849-7570 or 7-1-1 (8:30 AM to 4:30 PM, Monday through Friday) or by visiting [www.cpuc.ca.gov/complaints/](http://www.cpuc.ca.gov/complaints/).

To avoid having service turned off while you wait for the outcome of a complaint to the CPUC specifically regarding the accuracy of your bill, please contact CAB for assistance. If your case meets the eligibility criteria, CAB will provide you with instructions on how to mail a check or money order to be impounded pending resolution of your case. You must continue to pay your current charges while your complaint is under review to keep your service turned on.

If you are not able to pay your bill, call PG&E to discuss how we can help. You may qualify for reduced rates under PG&E's CARE program or other special programs and agencies may be available to assist you. You may qualify for PG&E's Energy Savings Assistance Program which is an energy efficiency program for income-qualified residential customers.

#### Important definitions

**Rotating outage blocks** are subject to change without advance notice due to operational conditions.

**Tier 1/Baseline allowance:** Some residential rates are given a Tier 1/Baseline allowance - a CPUC approved percentage of average customer usage during summer and winter months. Your Tier 1/Baseline allowance provides for basic needs at an affordable price and encourages conservation. Your allowance is assigned based on the climate where you live, the season and your heat source. As you use more energy, you pay more for usage. Any usage over your baseline allowance will be charged at a higher price.

**High Usage:** An increased price per kWh whenever electricity usage exceeds four times the Baseline Allowance (Tier 1) in a billing period. This charge does not apply to Time-of-Use rate plans.

**DWR bond charge:** Recovers the cost of bonds issued by the Department of Water Resources (DWR) to purchase power to serve electric customers during the California energy crisis. DWR bond charges are collected on behalf of DWR and do not belong to PG&E.

**Power Charge Indifference Adjustment (PCIA):** Ensures that non-exempt customers under PG&E's GT and ECR rate schedules or who purchase electricity (generation) from non-PG&E suppliers pay their share of generation costs.

**Gas Public Purpose Program (PPP) Surcharge.** Used to fund state-mandated gas assistance programs for low-income customers, energy efficiency programs, and public-interest research and development.

Visit [www.pge.com/bill/explanation](http://www.pge.com/bill/explanation) for more definitions. To view most recent bill inserts including legal or mandated notices, visit [www.pge.com/bill/inserts](http://www.pge.com/bill/inserts).

#### Your Electric Charges Breakdown

Conservation Incentive	-\$7.37
Generation	73.47
Transmission	23.99
Distribution	62.78
Electric Public Purpose Programs	7.79
Nuclear Decommissioning	0.56
DWR Bond Charge	3.62
Competition Transition Charges (CTC)	0.67
Energy Cost Recovery Amount	-0.30
Taxes and Other	0.19
<b>Total Electric Charges</b>	<b>\$165.40</b>

"PG&E" refers to Pacific Gas and Electric Company, a subsidiary of PG&E Corporation. © 2020 Pacific Gas and Electric Company. All rights reserved.

# Cap and Trigger

- IOU forecasts annual amount of revenue they need in order to recover stranded costs (aka PCIA revenue requirement)
- Cap: Change of PCIA rate from one year to the next cannot be more than \$0.005/kWh more than previous year's PCIA
- If PCIA passes cap, IOU does not collect immediately, but tracks the undercollection

# Cap and Trigger

- If undercollected amount reaches 7% of forecasted revenue, the IOU must file a trigger application for expedited rate recovery
- Application proposes revised PCIA rate to bring balance below 7% and maintain balance below that level until Jan 1 when new rates are adopted



# SDG&E Expedited Rate Recovery: 3 mo.

Customer Classes	Current Effective Rates <sup>21</sup> (¢/kWh)	Proposed Rates Using Generation Revenue Allocation (¢/kWh)	Proposed Rates Using Equal Cents per kWh (¢/kWh)	Difference in Proposed Rates
Residential	3.205	49.976	10.830	(39.147)
Small Commercial	2.693	24.045	10.318	(13.727)
Medium and Large Commercial and Industrial	2.964	6.711	10.589	3.877
Agriculture	2.239	78.627	9.863	(68.758)
Streetlighting	2.106	42.549	9.731	(32.818)
System	3.001	10.625	10.625	0.000

49.9 cents/kWh is  
**16 times greater**  
than current PCIA  
rate of 3.2  
cents/kWh

# PG&E Expedited Rate Recovery: 12 mo.

## PROPOSED SYSTEM AVERAGE RATES FOR CCA/DA CUSTOMERS<sup>15/</sup>

<b>Customer Class</b>	<b>Current Average (¢/kWh) As of 8/1/20</b>	<b>Proposed Average (¢/kWh) As of 1/1/21</b>	<b>Total Change (¢/kWh)</b>	<b>Total Percentage Change</b>
Residential	17.29	17.98	0.68	4.0%
Small Commercial	17.92	18.40	0.48	2.7%
Medium Commercial	14.83	15.45	0.62	4.1%
Large Commercial	11.76	12.27	0.52	4.4%
Streetlight	17.36	17.83	0.47	2.7%
Standby	16.45	16.94	0.49	3.0%
Agriculture	16.53	17.27	0.74	4.5%
Industrial	7.74	8.13	0.38	5.0%
<b>Average System Rate Change</b>	<b>13.83</b>	<b>14.39</b>	<b>0.55</b>	<b>4.0%</b>

# Next Steps

- Remove cap and trigger?
- Recover PCIA over 3 year period?
- PG&E finalize PCIA rates for 2021 (proceeding ongoing)
  - PG&E recover undercollected amount from this year and forecasted revenue for 2021

# **RCEA Board of Directors Meeting**

## **October 22, 2020**

### **5. Old CCE Business**

#### **5.1 Energy Risk Management Quarterly Report**

##### **5.1.1 Energy Risk Management Quarterly Report by The Energy Authority Client Services Manager Jaclyn Harr**

1. Staff report
2. Board questions
3. Public comment
4. Board comments or responses



# RCEA Energy Risk Management Plan Quarterly Report

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October 2020

# Outline

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- 2021 Annual RA Procurement Update
- RCEA Program Financial Update
- RCEA Customer Response to CAISO System Alerts
- CAISO/CPUC/CEC Preliminary Analysis on August Rotating Outages

# 2021 Annual RA Procurement Update

- Annual RA Showing Dates:  
10/30 (CAISO) & 11/2 (CPUC)
- Showing for 2021 System/Local/Flex  
RA + 2022 Local RA
- RCEA currently short 15 to 17  
product-months of Local RA in one or  
more of the “PG&E Other” (all PG&E  
areas except Greater Bay) local  
capacity areas... but meets its  
collective procurement requirement  
for the total PG&E Other areas
- RCEA & TEA staff will file waiver  
application for Local RA short



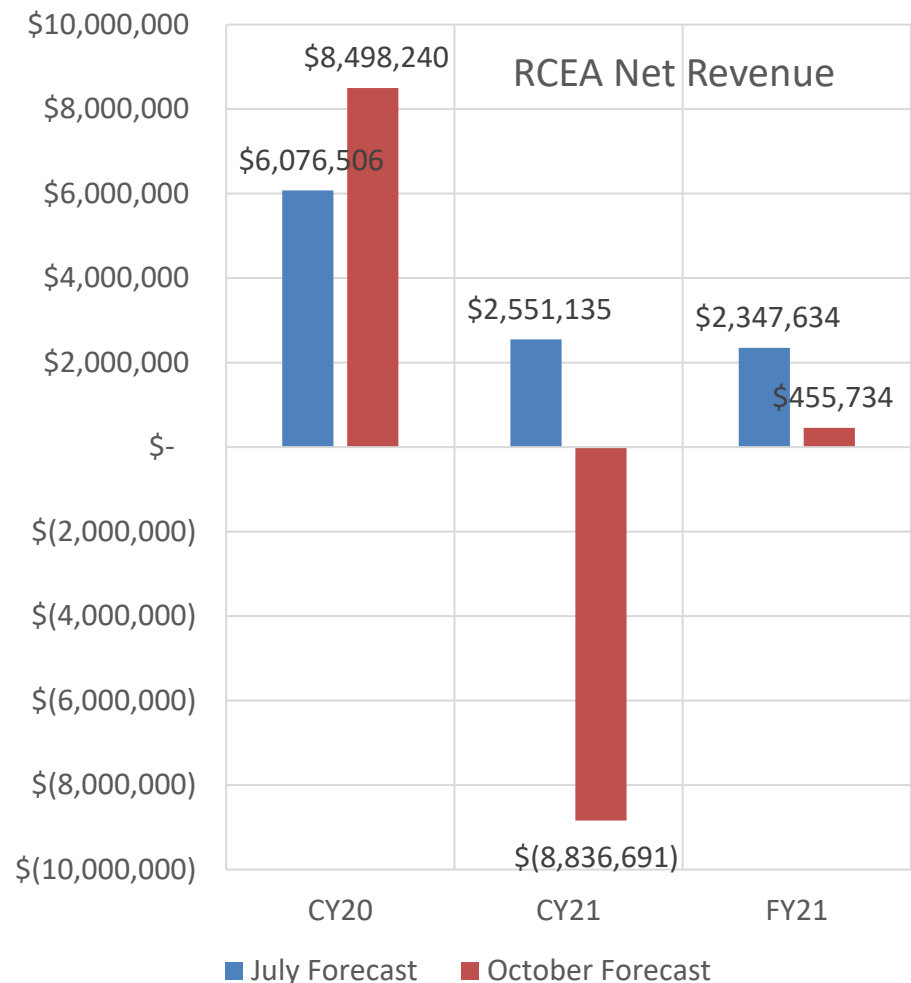
# RCEA Financial Outlook – Oct 2020

## Revenue

- PG&E 2021 generation rate now forecasted 12% lower than at July Board Meeting due to two changes expected to impact 2021 PG&E rates
  - ERRA 2020 over-collection
  - PCIA Under-collection Balancing Account (PUBA)

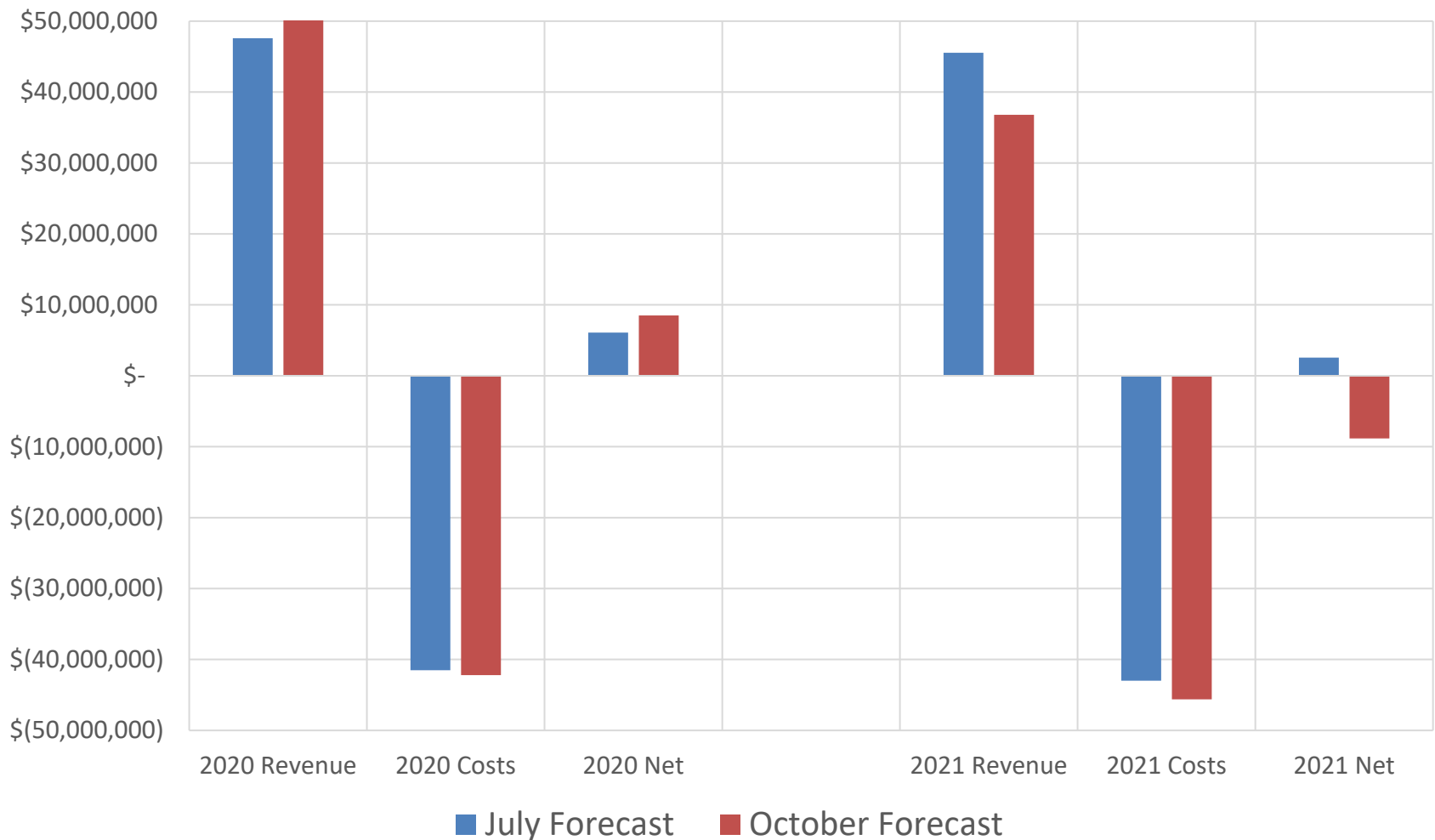
## Costs

- Average 2021 NP-15 forward price for energy increased ~13% since July
  - Increases RCEA's projected costs by 6% compared to July Board Meeting





# RCEA Cost vs. Revenue Forecast

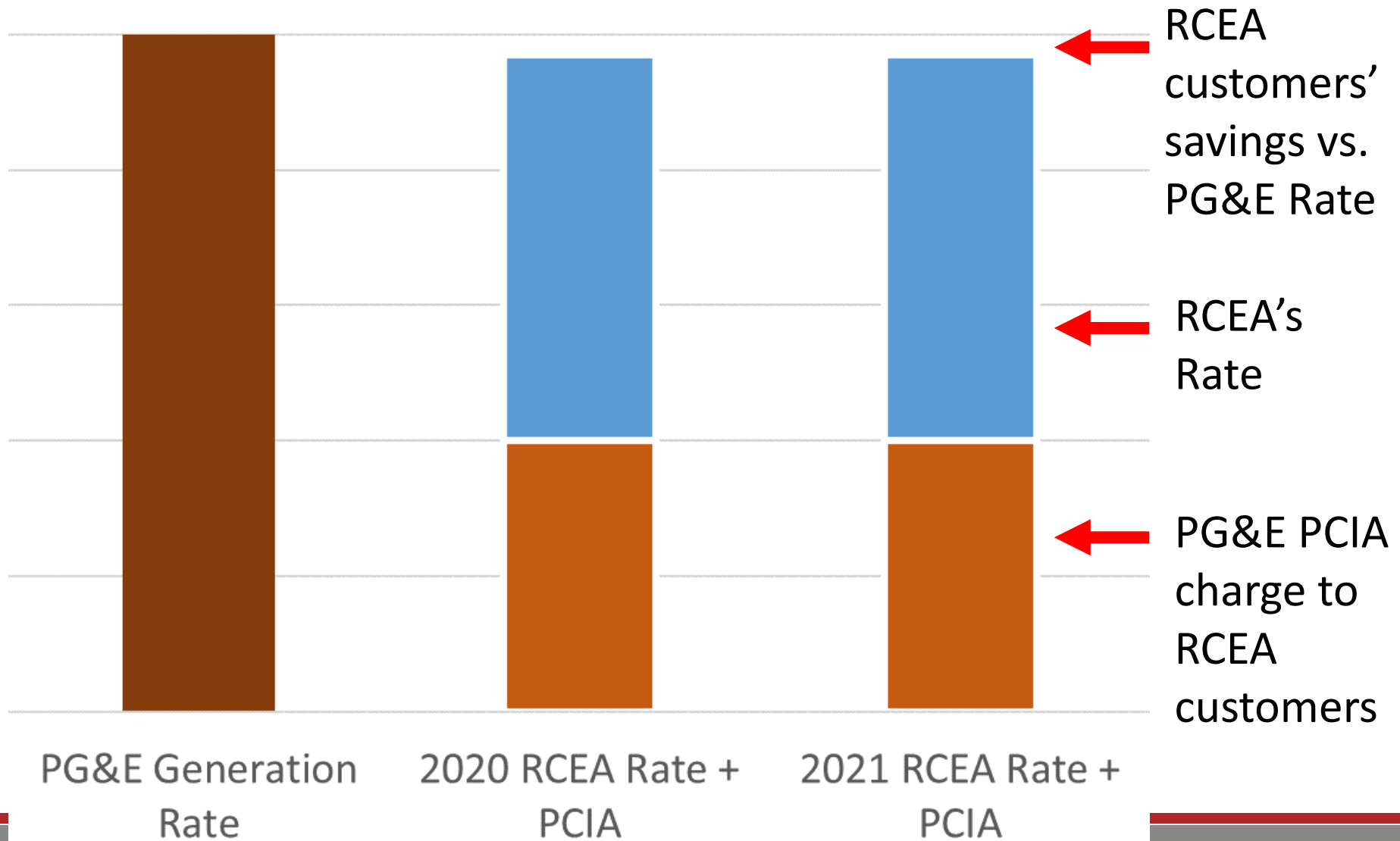


# Impact of PCIA cap and trigger on RCEA revenue forecasts

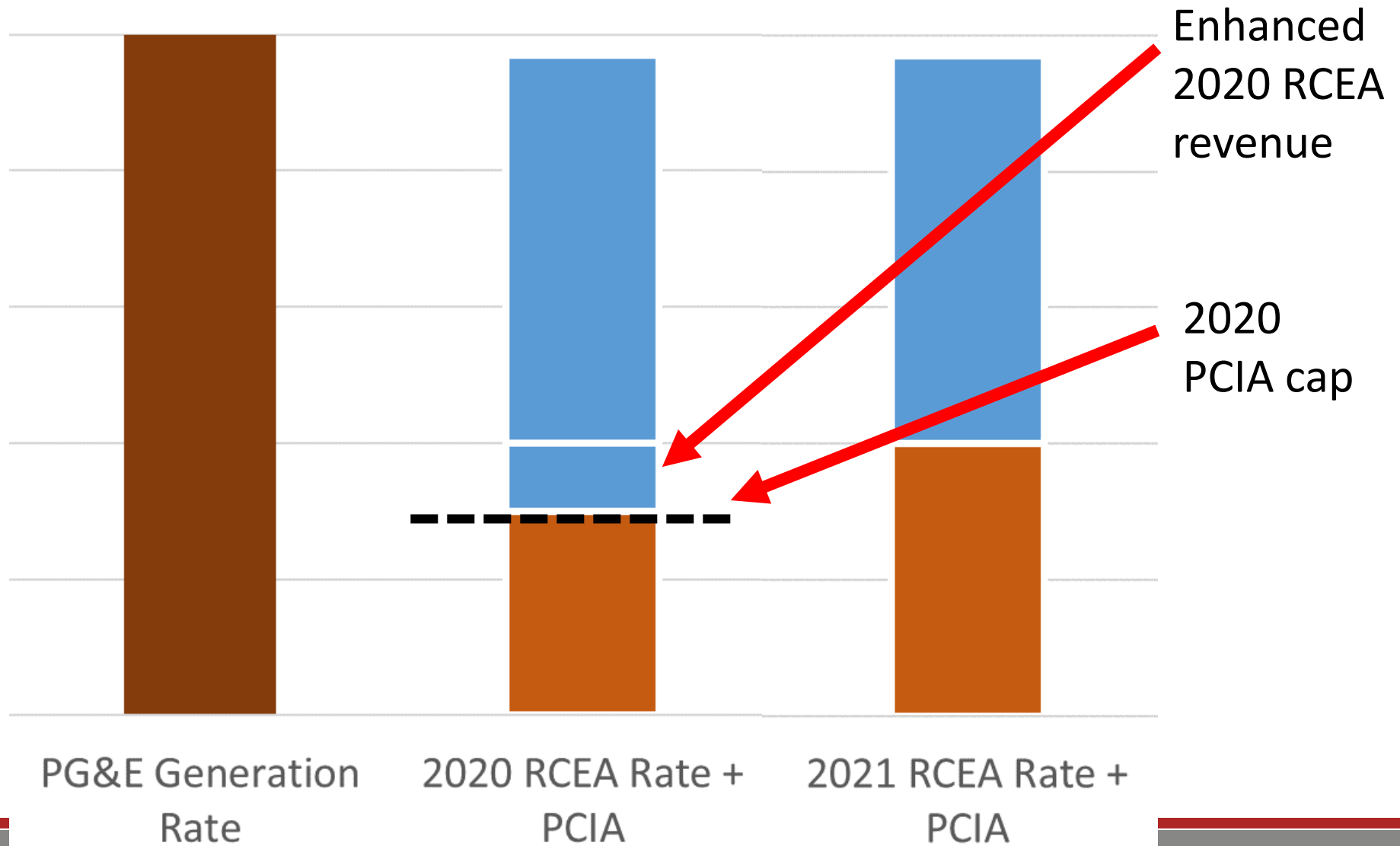
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(Impact = 2020-2021 volatility)

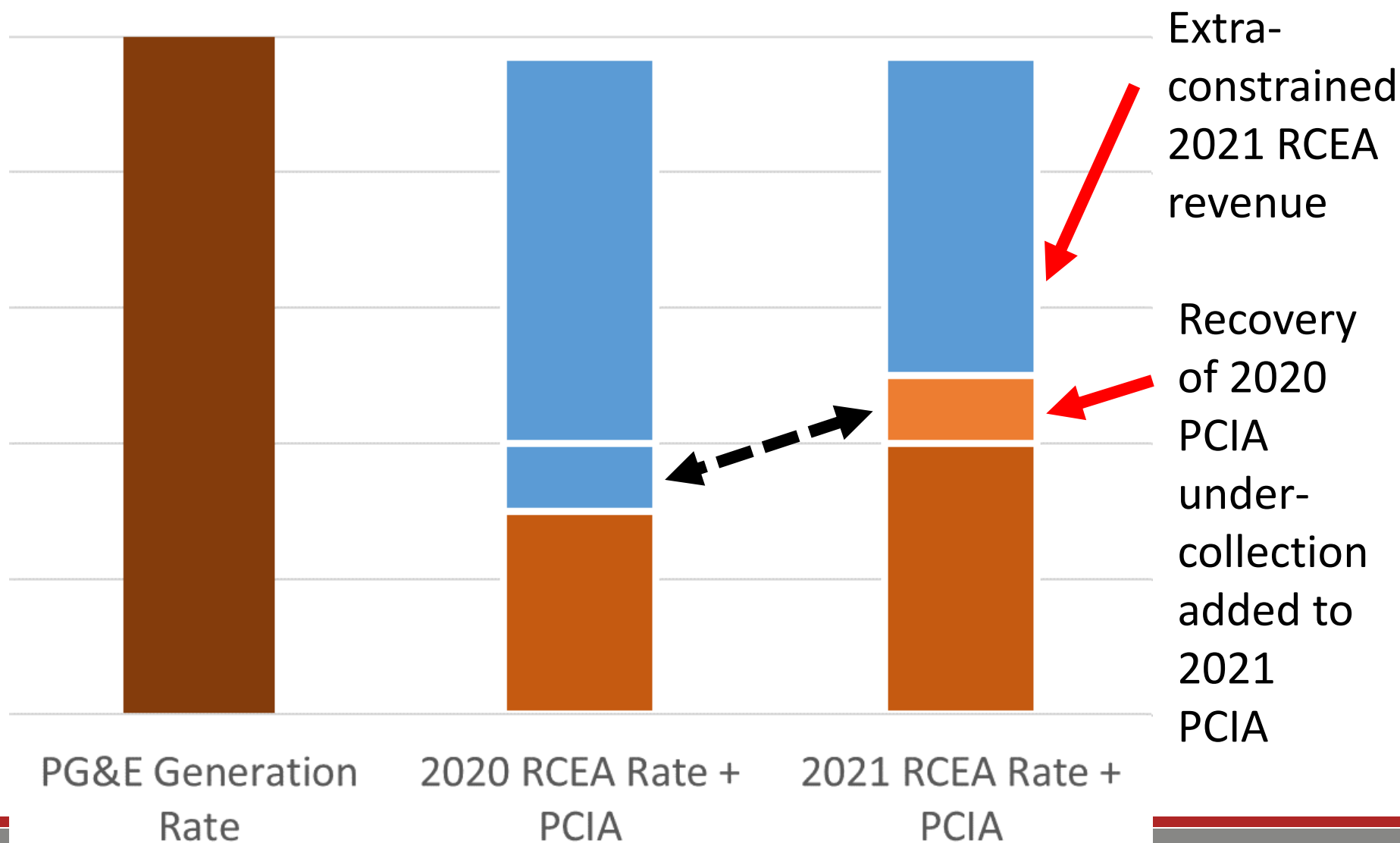
# If there was no PCIA cap process



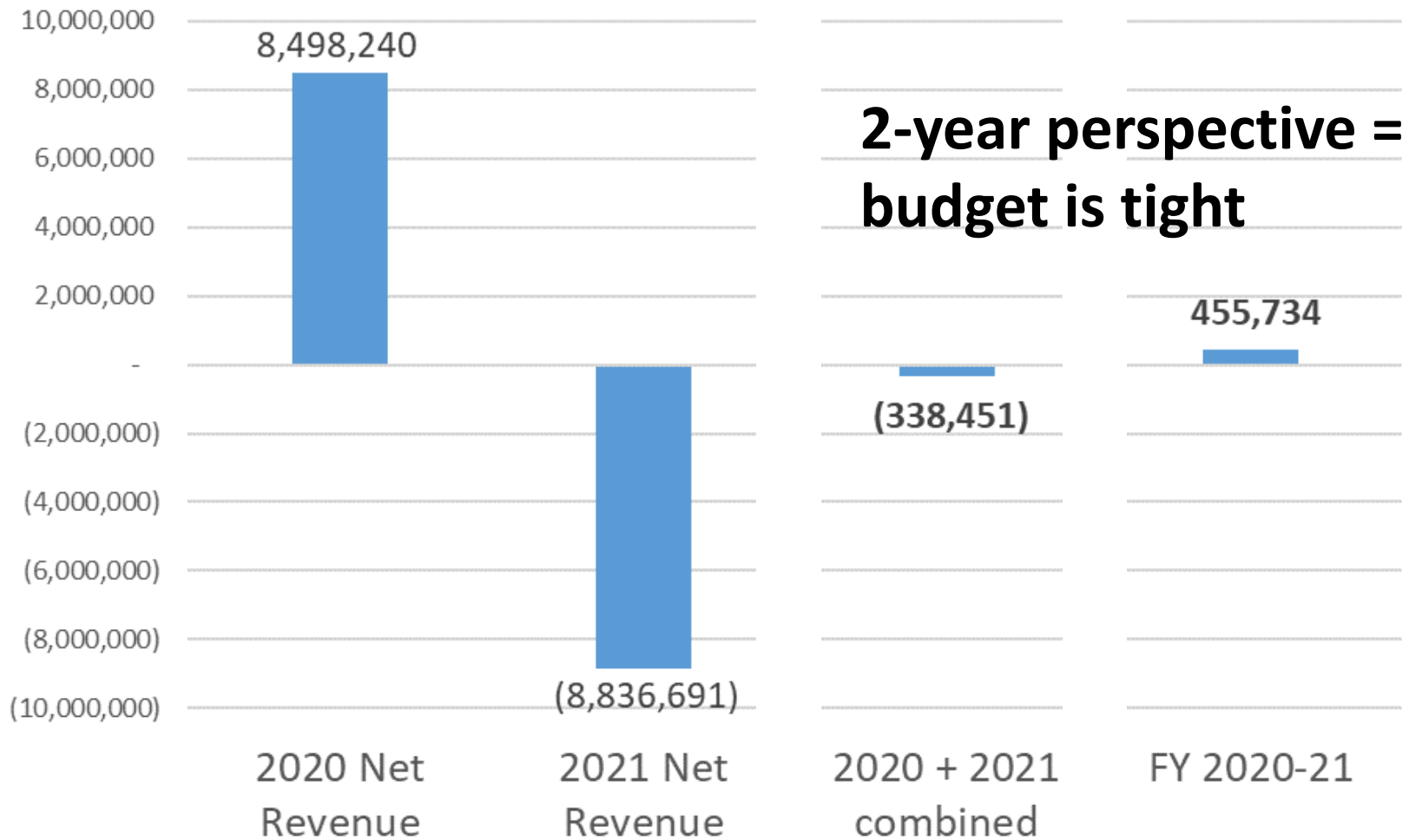
# 2020 PCIA capped



# 2020 PCIA capped



# 2020 “Extra revenue” is delayed PCIA charges that show back up in 2021



# Next steps

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- Potential regulatory improvements:
  - Amortization of 2020 undercollection over multiple years to reduce the big swing in 2021
  - Removal of cap and trigger process going forward (it was put in place was to supposedly *reduce* volatility.....)
  
- RCEA Can adjust 2021 power procurement targets to reduce costs
  - Will present more details and options to the Board in November

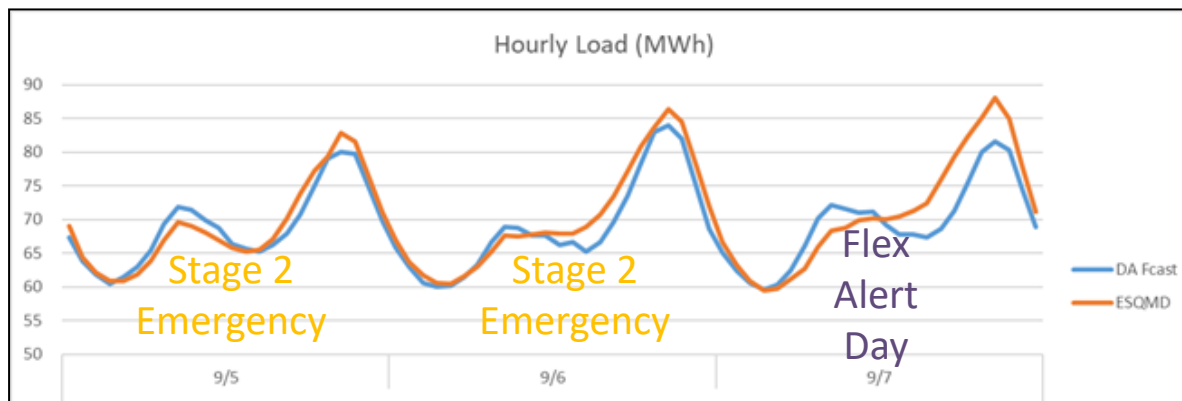
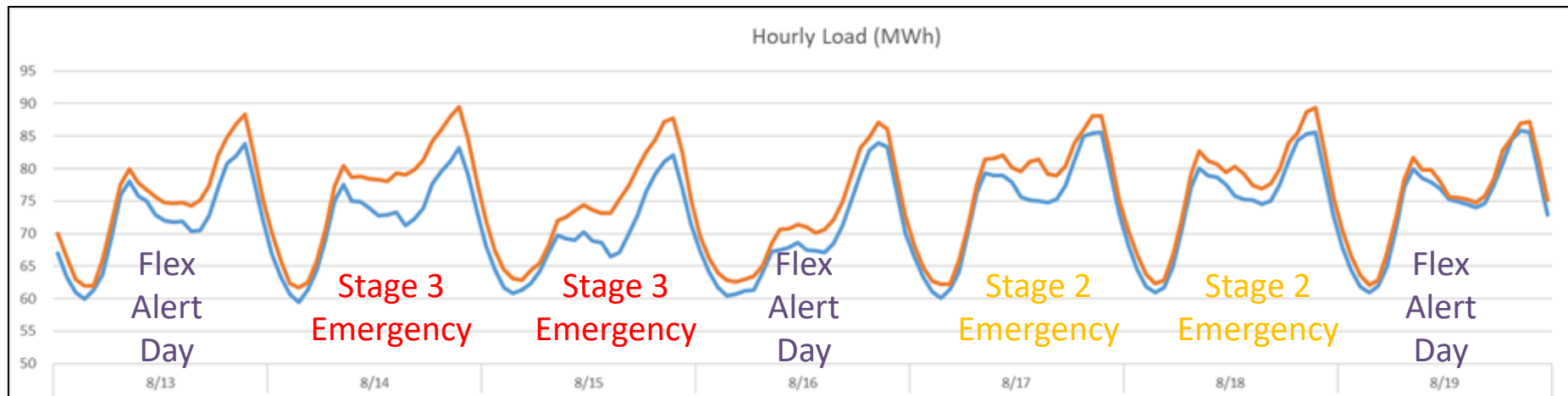
# 2020 Summer Flex & Emergency Alerts

- **Flex Alert:** call to consumers to voluntarily conserve energy, especially 4 – 9 pm
- **Stage 1 Emergency:** Contingency Reserve shortfalls exist or forecasted to occur
- **Stage 2 Emergency:** ISO has taken all mitigating actions and is no longer able to provide expected energy requirements
- **Stage 3 Emergency:** ISO unable to meet minimum contingency reserves and load interruption is imminent or in progress

Day	Date	CAISO Alert	Humboldt Airport Peak Temp
Thu	Aug 13	Flex Alert	61
Fri	Aug 14	Stage 3 Emergency	75.9
Sat	Aug 15	Stage 3 Emergency	79
Sun	Aug 16	Flex Alert	71.1
Mon	Aug 17	Stage 2 Emergency	62.1
Tue	Aug 18	Stage 2 Emergency	62.1
Wed	Aug 19	Flex Alert	61
Sat	Sep 5	Stage 2 Emergency	69.1
Sun	Sep 6	Stage 2 Emergency	73
Mon	Sep 7	Flex Alert	75

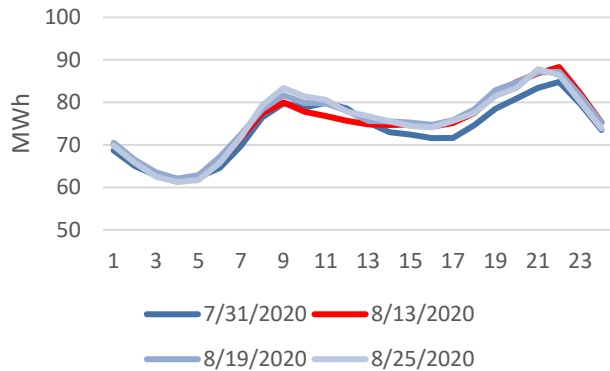


# RCEA Hourly Loads for Heat Events

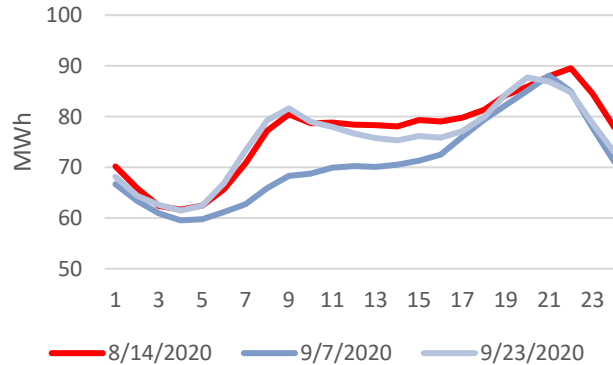


# RCEA Customer Response to Alerts?

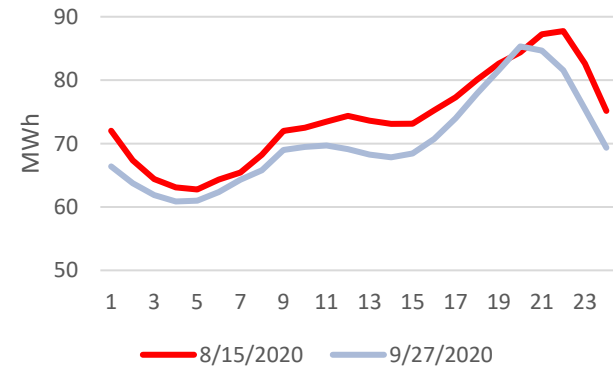
Comparable Date Load Shape – 61°F



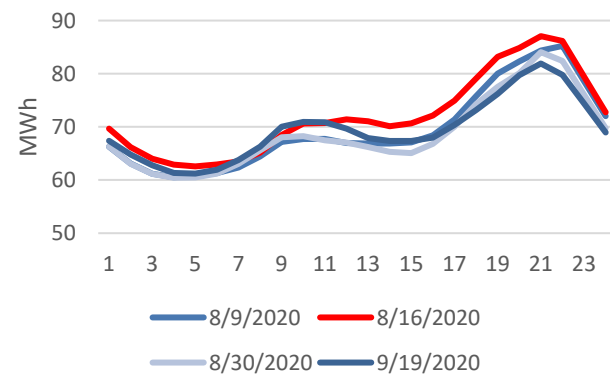
Comparable Date Load Shape – 75°F



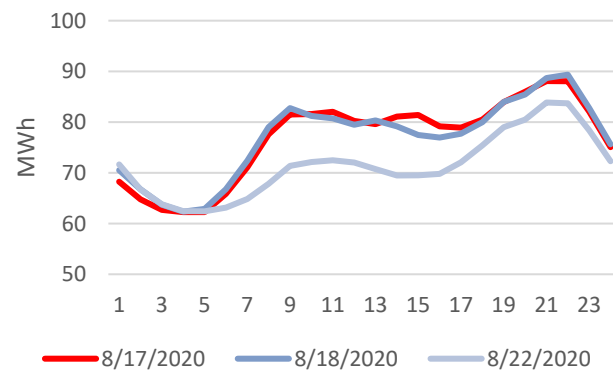
Comparable Date Load Shape - 79°F



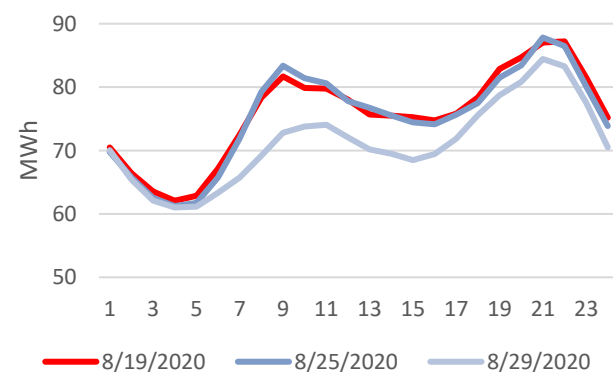
Comparable Date Load Shape – 71°F



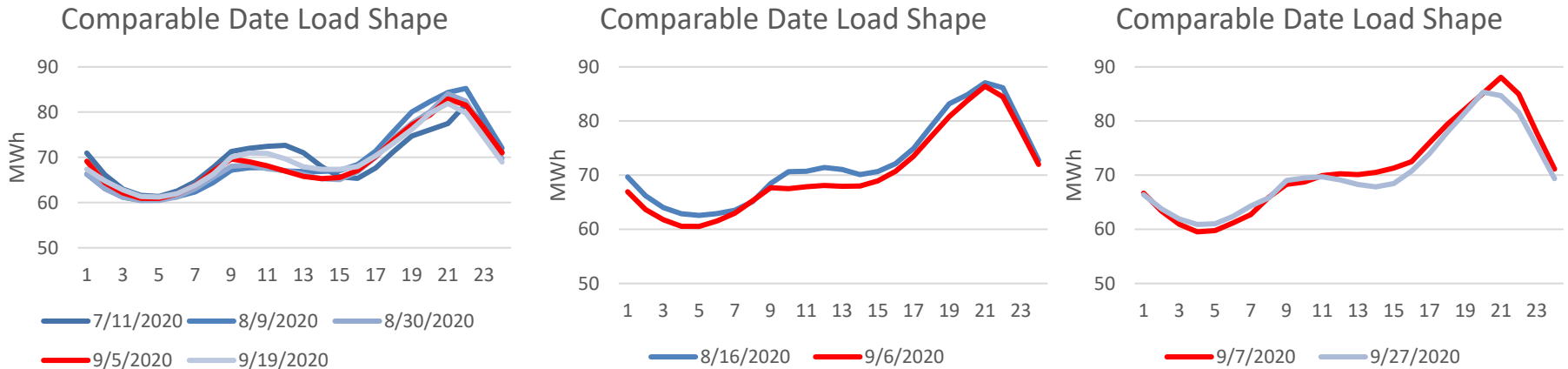
Comparable Date Load Shape – 62°F



Comparable Date Load Shape – 61°F



# RCEA Customer Response to Alerts?



- No clear pattern of customer response to CAISO Alert days compared to days with similar temperatures in the Humboldt region
- Data analysis complicated due to small sample size
  - Only using 2020 data due to COVID load impacts
  - Trends difficult to see when comparing across different months & days of the week

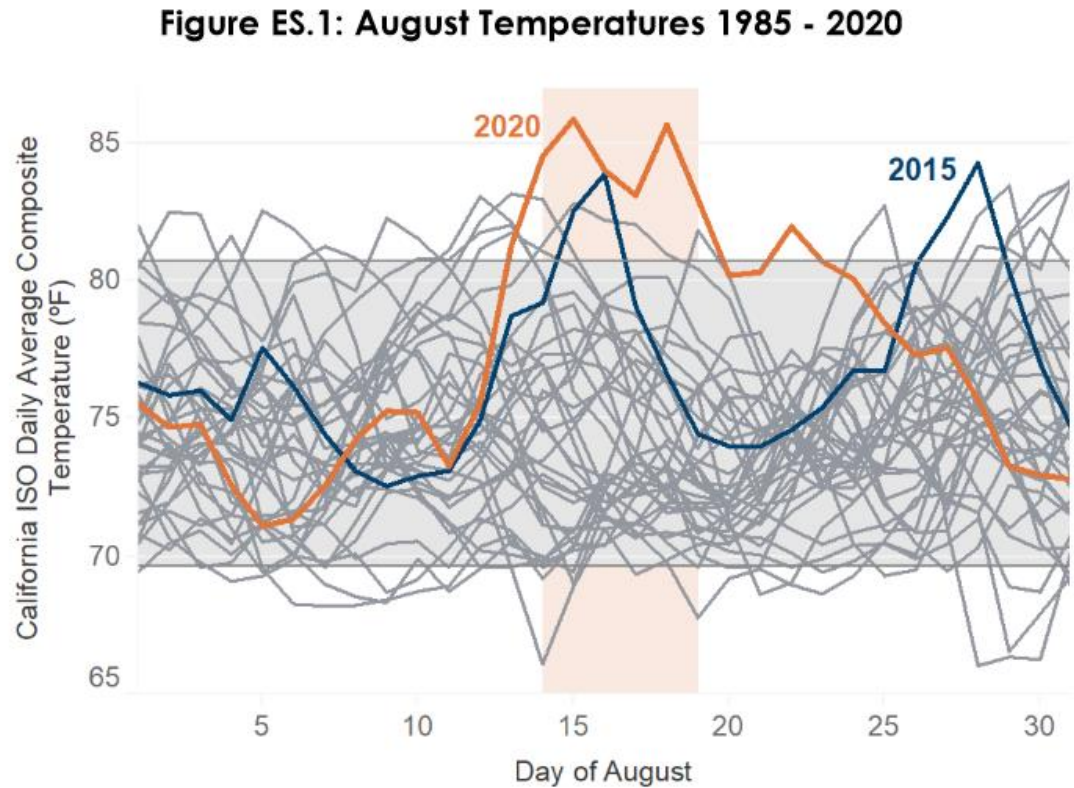
# Rotating Outages Joint Analysis from CAISO/CPUC/CEC

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- Released October 6
- Official Causes of August Rotating Outages:
  - Existing Resource Planning Processes are Not Designed to Fully Address an Extreme Heat Storm
  - In Transitioning to a Reliable, Clean, and Affordable Resource Mix, Resource Planning Targets Have Not Kept Pace to Lead to Sufficient Resources That Can Be Relied Upon to Meet Demand in the Early Evening Hours
  - Some Practices in the Day-Ahead Energy Market Exacerbated the Supply Challenges Under Highly Stressed Conditions

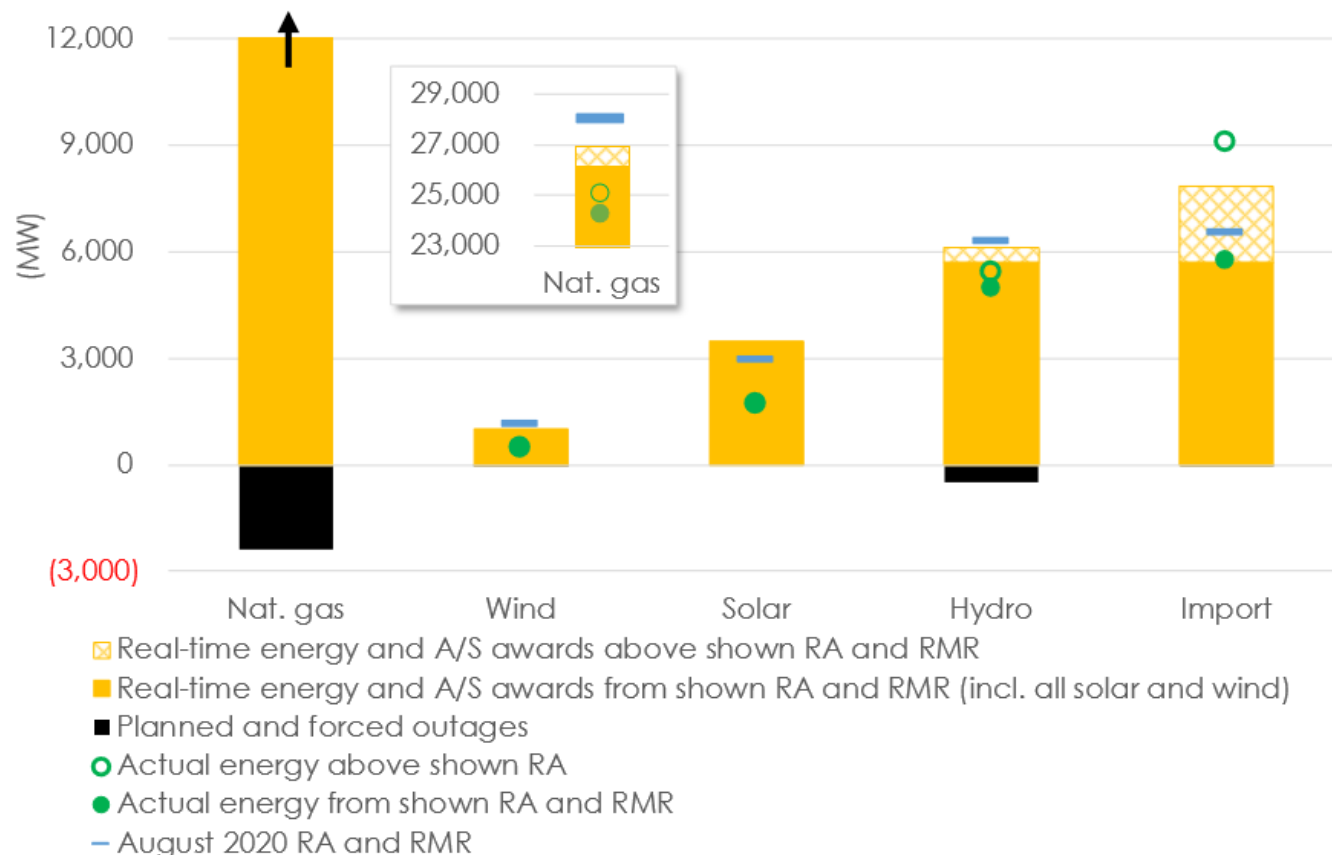
# Extreme Heat Storm

- 1-In-35 Heat Event in California and WECC
- Avoided more blackouts 8/17 – 8/19 with extraordinary load reduction measures



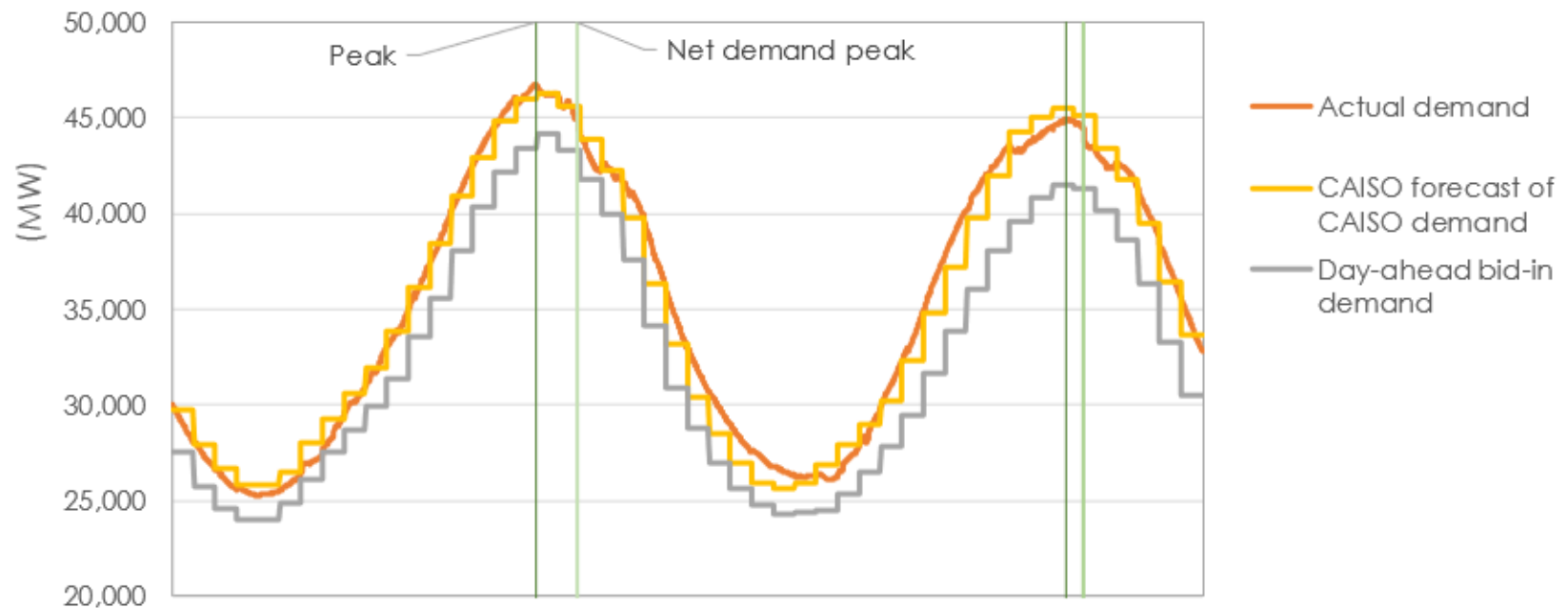
# RA Construct Vs. New Grid Reality

**Figure ES.3: August 14 Net Demand Peak (6:51 pm) – Real-Time Awards and Actual Energy Production vs. August 2020 Shown RA and RMR**



# Tight Conditions Masked by Bidding

**Figure ES.7: Comparison of Actual, CAISO Forecast, and Bid-in Demand**



Day-ahead bid-in demand below actual:

	<u>8/14</u>	<u>8/15</u>
At peak:	3,386	3,434
Time of net demand peak:	1,792	3,219

# Action Plan from the CAISO/CPUC/CEC

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- **Update the resource and reliability planning targets** to better account for:
  - Heat storms and other extreme events resulting from climate change like the ones encountered in both August and September;
  - A transitioning electricity resource mix to meet the clean energy goals of the state during critical hours of grid need
- Ensure that the generation and storage projects that are currently under construction in California are **completed by their targeted online dates**;
- Expedite the regulatory and procurement processes to **develop additional resources that can be online by 2021**. This will most likely focus on resources such as demand response and flexibility. This can complement the resources that are already under construction;
- Coordinate **additional procurement by non-CPUC jurisdictional entities**; and
- Enhance CAISO market practices to ensure they accurately reflect the actual balance of supply and demand during stressed operating conditions.





# REDWOOD COAST Energy Authority

## STAFF REPORT Agenda Item # 5.2

AGENDA DATE:	October 22, 2020
TO:	Board of Directors
PREPARED BY:	Jocelyn Gwynn, Manager of Power Resources
SUBJECT:	2019 Power Source Disclosure and Power Content Label Approval

### SUMMARY

At the June meeting, the Board received the preliminary 2019 power mix for submission to the California Energy Commission (CEC) as part of their Power Source Disclosure (PSD) Program. After finalizing the 2019 PSD Report (Exhibit I to Attachment A), staff submitted it to the CEC by the July 20 due date. The report shows annual energy purchases from each generating facility under contract, as well as percentages of each resource type in the REpower and REpower+ portfolios. Staff are now preparing the 2019 Power Content Label (PCL) that is to be mailed out to RCEA customers by the end of 2020. The PCL (Exhibit II to Attachment A) includes information from RCEA's PSD and compares it to the state's overall power mix.

Staff ask that the Board adopt a resolution (Attachment A) formally approving and attesting to the information in the PSD and PCL, as part of the documentation required by the CEC for compliance with the PSD Program.

### FINANCIAL IMPACTS

None.

### RECOMMENDED ACTIONS

Adopt Resolution 2020-8 Approving and Attesting to the Veracity of the 2019 Power Source Disclosure Report and Power Content Label.

### ATTACHMENTS

Attachment A: Resolution 2020-8  
Exhibit I: RCEA 2019 Power Source Disclosure Report  
Exhibit II: RCEA 2019 Power Content Label

**RESOLUTION NO. 2020-8**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE REDWOOD COAST ENERGY AUTHORITY  
APPROVING AND ATTESTING TO THE VERACITY  
OF THE 2019 POWER SOURCE DISCLOSURE REPORT  
AND POWER CONTENT LABEL**

**WHEREAS**, Senate Bill 1305 was adopted in 1997, establishing an Electricity Generation Source Disclosure (also known as Power Source Disclosure or “PSD”) Program, which requires retail suppliers of electricity to annually submit a PSD Report to the California Energy Commission (“CEC”) and to annually mail a Power Content Label (“PCL”) to their electricity customers; and

**WHEREAS**, Redwood Coast Energy Authority (“RCEA”) is a retail supplier of electricity as defined by the PSD Program (Ca. Code of Regs., Title 20, Section 1391(r)); and

**WHEREAS**, the PSD Regulation requiring an annual audit by an outside certified public accountant of the information in the annual PSD Report, was updated effective May 4, 2020, with an exemption from this requirement for retail suppliers that are public agencies providing electric services, provided that the governing body of the public agency approves at a public meeting the submission to the CEC of an attestation of the veracity of the annual report for each electricity product; and

**WHEREAS**, RCEA is a public agency providing electric services; and

**WHEREAS**, the CEC exemption therefore allows the RCEA Board of Directors to approve an attestation of the veracity of RCEA’s 2019 PSD Annual Report and PCL provided hereto as Attachments B and C.

**NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED** that the Board:

1. Approves the submission to the CEC of the attached 2019 PSD Report and PCL for RCEA’s REpower and REpower+ electricity products; and
2. Attests to the veracity of the information presented in the Power Source Disclosure and Power Content Label.

Adopted this 22nd day of October, 2020

ATTEST:

\_\_\_\_\_  
Austin Allison, RCEA Board Chair

\_\_\_\_\_  
Lori Taketa, Clerk of the Board

Date: \_\_\_\_\_

Date: \_\_\_\_\_

## Attachment A

### CLERK'S CERTIFICATE

I hereby certify that the foregoing is a true and correct copy of Resolution 2020-8 passed and adopted at a regular meeting of the Redwood Coast Energy Authority, County of Humboldt, State of California, held on the 22nd day of October, 2020, by the following vote:

AYES:

NOES:

ABSENT:

ABSTENTIONS:

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Clerk of the Board, Redwood Coast Energy Authority



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure**  
**For the Year Ending December 31, 2019**

Retail suppliers are required to use the posted template and are not allowed to make edits to this format. Please complete all requested information.

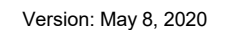
## GENERAL INSTRUCTIONS

RETAIL SUPPLIER NAME	
Redwood Coast Energy Authority	
ELECTRICITY PORTFOLIO NAME	
REpower	
CONTACT INFORMATION	
Name	Jocelyn Gwynn
Title	Manager of Power Resources
Mailing Address	633 3rd St.
City, State, Zip	Eureka, CA 95501
Phone	707-269-1700 x351
E-mail	<a href="mailto:jgwynn@redwoodenergy.org">jgwynn@redwoodenergy.org</a>
Website URL for PCL Posting	<a href="https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/">https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/</a>

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to [PSDprogram@energy.ca.gov](mailto:PSDprogram@energy.ca.gov). Remember to complete the Retail Supplier Name, Electricity Portfolio Name, and contact information above, and submit separate reports and attestations for each additional portfolio if multiple were offered in the previous year.

**NOTE:** Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at <https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office>.

If you have questions, contact Power Source Disclosure (PSD) staff at [PSDprogram@energy.ca.gov](mailto:PSDprogram@energy.ca.gov) or (916) 654-3954.



Instructions: Enter information about power procurements underlying this electricity portfolio for which your company is filing the Annual Report. Insert additional rows as needed. All fields in white should be filled out. Fields in grey auto-populate as needed and should not be filled out. For firm-and-shaped imports, provide the EIA ID of the substitute power, not the generator ID of the RECs. For EIA IDs for unspecified power or specified system mixes from asset-controlling suppliers, enter "unspecified", "BPA," "Powerex,," or "Tacoma" as applicable. For specified procurements of ACS power, use the ACS Procurement Calculator to calculate the resource breakdown comprising the ACS system mix. Procurements of unspecified power must not be entered as line items below; unspecified power will be calculated automatically in cell L9. Unbundled RECs must not be entered on Schedule 1 ; these products must be entered on Schedule 2. At the bottom portion of the schedule, provide the other electricity end-uses that are not retail sales including, but not limited to transmission and distribution losses or municipal street lighting. Amounts should be in megawatt-hours.

[illegible]



									-	-	
									-	-	
									-	-	
FIRMED-AND-SHAPED IMPORTS											
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	EIA ID of REC Source	EIA ID of Substitute Power	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	Eligible for Grandfathered Emissions?
Tucannon River Wind Farm 2	Wind	WA	63027A	W4483	58571		25,455		25,455	25,455	
Vansycle II Wind Energy Center	Wind	OR	60944A	W1458	58324		41,248		41,248	41,248	
Biglow Canyon Wind Farm Phase 2	Wind	OR	63055A	W1268	56485		25,795		25,795	25,795	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
SPECIFIED NON-RENEWABLE PROCUREMENTS											
Facility Name	Fuel Type	State or Province	N/A	N/A	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	N/A
Colgate Powerhouse	Large hydro	CA				454	55,438		55,438	55,438	
Narrows 2 Powerhouse	Large hydro	CA				262	10,562		10,562	10,562	
Middle Fork/Ralston	Large hydro	CA				425/427	30,000		30,000	30,000	
Mid-C Hydro - Priest Rapids and Wanapum dams	Large hydro	WA				3887	21,000		21,000	21,000	
Lucky Peak Power Plant Project	Large hydro	WA				10014	5,756		5,756	5,756	
Mid-C Hydro - Wells (Douglas County PUD)	Large hydro	WA				3886	66,244		66,244	66,244	
Collierville Hydro	Large hydro	CA				54555	20,000		20,000	20,000	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
PROCUREMENTS FROM ASSET-CONTROLLING SUPPLIERS											
Facility Name	Fuel Type	N/A	N/A	N/A	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	N/A
Powerex (Asset-Controlling Supplier)	Large hydro						138264		138,264	138,264	
Powerex (Asset-Controlling Supplier)	Natural gas						1964		1,964	1,964	
Powerex (Asset-Controlling Supplier)	Nuclear						907		907	907	
Powerex (Asset-Controlling Supplier)	Other						4835		4,835	4,835	



Powerex (Asset-Controlling Supplier)	Unspecified Power						5138		5,138	5,138	
										-	
										-	
										-	
										-	
										-	
										-	

END USES OTHER THAN RETAIL SALES	MWh

**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure**  
**SCHEDULE 2: PRORCUREMENTS AND RETAIL SALES**  
**For the Year Ending December 31, 2019**  
**REDWOOD COAST ENERGY AUTHORITY**  
**Repower**

INSTRUCTIONS: Enter information about retired unbundled RECs associated with this electricity portfolio. Insert additional rows as needed. All fields in white should be filled out. Fields in grey auto-populate as needed and should not be filled out.

[illegible]





**Disclosure**  
**SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA**  
**for the year ending December 31, 2019**  
**REDWOOD COAST ENERGY AUTHORITY**  
**REpower**

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
<b>Renewable Procurements</b>	268,232	42.7%
Biomass & Biowaste	162,119	25.8%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	13,615	2.2%
Wind	92,498	14.7%
Coal	-	0.0%
Large Hydroelectric	347,264	55.3%
Natural gas	1,964	0.3%
Nuclear	907	0.1%
Other	4,835	0.8%
Unspecified Power	5,138	0.8%
<b>Total</b>	<b>628,340</b>	<b>100.0%</b>
<b>Total Retail Sales (MWh)</b>		<b>628,340</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>		<b>0.0%</b>



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure  
ATTESTATION FORM  
for the year ending December 31, 2019  
(RETAIL SUPPLIER NAME)  
(ELECTRICITY PORTFOLIO NAME)**

**I, Jocelyn Gwynn, Manager of Power Resources, declare under penalty of perjury, that the statements contained in this report including Schedules 1, 2, and 3 are true and correct and that I, as an authorized agent of (print name of company) Redwood Coast Energy Authority, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specified purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail customers.**

**Name: Jocelyn Gwynn**

**Representing (Retail Supplier): Redwood Coast Energy Authority**

**Signature: /s/ Jocelyn Gwynn**

**Dated: 7/17/20**

**Executed at: Arcata, CA**



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure**  
**For the Year Ending December 31, 2019**

Retail suppliers are required to use the posted template and are not allowed to make edits to this format. Please complete all requested information.

## GENERAL INSTRUCTIONS

<b>RETAIL SUPPLIER NAME</b>	
Redwood Coast Energy Authority	
<b>ELECTRICITY PORTFOLIO NAME</b>	
REpower+	
<b>CONTACT INFORMATION</b>	
<b>Name</b>	Jocelyn Gwynn
<b>Title</b>	Manager of Power Resources
<b>Mailing Address</b>	633 3rd St.
<b>City, State, Zip</b>	Eureka, CA 95501
<b>Phone</b>	707-269-1700 x351
<b>E-mail</b>	<a href="mailto:jgwynn@redwoodenergy.org">jgwynn@redwoodenergy.org</a>
<b>Website URL for PCL Posting</b>	<a href="https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/">https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/</a>

Submit the Annual Report and signed Attestation in PDF format with the Excel version of the Annual Report to [PSDprogram@energy.ca.gov](mailto:PSDprogram@energy.ca.gov). Remember to complete the Retail Supplier Name, Electricity Portfolio Name, and contact information above, and submit separate reports and attestations for each additional portfolio if multiple were offered in the previous year.

**NOTE:** Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at <https://www.energy.ca.gov/about/divisions-and-offices/chief-counsels-office>.

If you have questions, contact Power Source Disclosure (PSD) staff at [PSDprogram@energy.ca.gov](mailto:PSDprogram@energy.ca.gov) or (916) 654-3954.

**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure**  
**SCHEDULE 1: PROCUREMENTS AND RETAIL SALES**  
**For the Year Ending December 31, 2019**  
**REDWOOD COAST ENERGY AUTHORITY**  
**REpower+**

Instructions: Enter information about power procurements underlying this electricity portfolio for which your company is filing the Annual Report. Insert additional rows as needed. All fields in white should be filled out. Fields in grey auto-populate as needed and should not be filled out. For firm-and-shaped imports, provide the EIA ID of the substitute power, not the generator ID of the RECs. For EIA IDs for unspecified power or specified system mixes from asset-controlling suppliers, enter "unspecified", "BPA," "Powerex,," or "Tacoma" as applicable. For specified procurements of ACS power, use the ACS Procurement Calculator to calculate the resource breakdown comprising the ACS system mix. Procurements of unspecified power must not be entered as line items below; unspecified power will be calculated automatically in cell L9. Unbundled RECs must not be entered on Schedule 1 ; these products must be entered on Schedule 2. At the bottom portion of the schedule, provide the other electricity end-uses that are not retail sales including, but not limited to transmission and distribution losses or municipal street lighting. Amounts should be in megawatt-hours.

Retail Sales (MWh)	7,693
Net Specified Procurement (MWh)	7,693
Unspecified Power (MWh)	-
Procurement to be adjusted	-
Net Natural Gas	-
Net Coal & Other Fossil Fuels	-
Net Nuclear, Large Hydro & Renewables	7,693

## DIRECTLY DELIVERED RENEWABLES

[illegible]

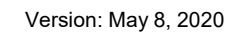


									-	-	
									-	-	
									-	-	
FIRMED-AND-SHAPED IMPORTS											
Facility Name	Fuel Type	State or Province	WREGIS ID	RPS ID	EIA ID of REC Source	EIA ID of Substitute Power	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	Eligible for Grandfathered Emissions?
Vansycle II Wind Energy Center	Wind	OR	W1458	60944A	58324		3,385		3,385	3,385	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
									-	-	
SPECIFIED NON-RENEWABLE PROCUREMENTS											
Facility Name	Fuel Type	State or Province	N/A	N/A	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	N/A
									-	-	
									-	-	
									-	-	
									-	-	
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									-	-	
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									-	-	
PROCUREMENTS FROM ASSET-CONTROLLING SUPPLIERS											
Facility Name	Fuel Type	N/A	N/A	N/A	N/A	EIA ID	Gross MWh Procured	MWh Resold	Net MWh Procured	Adjusted Net MWh Procured	N/A
										-	
										-	
										-	
										-	



										-	
										-	
										-	
										-	
										-	
										-	
										-	

END USES OTHER THAN RETAIL SALES	MWh



INSTRUCTIONS: Enter information about retired unbundled RECs associated with this electricity portfolio. Insert additional rows as needed. All fields in white should be filled out. Fields in grey auto-populate as needed and should not be filled out.

38



**Disclosure**  
**SCHEDULE 3: ANNUAL POWER CONTENT LABEL DATA**  
**for the year ending December 31, 2019**  
**REDWOOD COAST ENERGY AUTHORITY**  
**REpower+**

Instructions: No data input is needed on this schedule. Retail suppliers should use these auto-populated calculations to fill out their Power Content Labels.

	Adjusted Net Procured (MWh)	Percent of Total Retail Sales
<b>Renewable Procurements</b>	7,693	100.0%
Biomass & Biowaste	923	12.0%
Geothermal	-	0.0%
Eligible Hydroelectric	-	0.0%
Solar	3,385	44.0%
Wind	3,385	44.0%
Coal	-	0.0%
Large Hydroelectric	-	0.0%
Natural gas	-	0.0%
Nuclear	-	0.0%
Other	-	0.0%
Unspecified Power	-	0.0%
<b>Total</b>	<b>7,693</b>	<b>100.0%</b>
<b>Total Retail Sales (MWh)</b>		<b>7,693</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs</b>		<b>0.0%</b>





**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure  
ATTESTATION FORM  
for the year ending December 31, 2019  
REDWOOD COAST ENERGY AUTHORITY  
Repower+**

**I, Jocelyn Gwynn, Manager of Power Resources , declare under penalty of perjury, that the statements contained in this report including Schedules 1, 2, and 3 are true and correct and that I, as an authorized agent of (print name of company) Redwood Coast Energy Authority, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specified purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail customers.**

**Name: Jocelyn Gwynn**

**Representing (Retail Supplier): Redwood Coast Energy Authority**

**Signature: /s/ Jocelyn Gwynn**

**Dated: 7/17/20**

**Executed at: Arcata, CA**

Version: October 2020

<b>2019 POWER CONTENT LABEL</b>			
<b>Redwood Coast Energy Authority</b>			
<b><a href="https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/">https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/</a></b>			
<b>ENERGY RESOURCES</b>	<b>REpower</b>	<b>REpower+</b>	<b>2019 CA Power Mix</b>
<b>Eligible Renewable<sup>1</sup></b>	<b>42.7%</b>	<b>100.0%</b>	<b>31.7%</b>
Biomass & Biowaste	25.8%	12.0%	2.4%
Geothermal	0.0%	0.0%	4.8%
Eligible Hydroelectric	0.0%	0.0%	2.0%
Solar	2.2%	44.0%	12.3%
Wind	14.7%	44.0%	10.2%
<b>Coal</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.0%</b>
<b>Large Hydroelectric</b>	<b>55.3%</b>	<b>0.0%</b>	<b>14.6%</b>
<b>Natural Gas</b>	<b>0.3%</b>	<b>0.0%</b>	<b>34.2%</b>
<b>Nuclear</b>	<b>0.1%</b>	<b>0.0%</b>	<b>9.0%</b>
<b>Other</b>	<b>0.8%</b>	<b>0.0%</b>	<b>0.2%</b>
<b>Unspecified sources of power<sup>2</sup></b>	<b>0.8%</b>	<b>0.0%</b>	<b>7.3%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs<sup>3</sup></b>	<b>0.0%</b>	<b>0.0%</b>	
<sup>1</sup> The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. <sup>2</sup> Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. <sup>3</sup> Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.			
For specific information about this electricity product, contact:	<b>Redwood Coast Energy Authority</b> <b>707-269-1700</b>		
For general information about the Power Content Label, please visit:	<a href="http://www.energy.ca.gov/pcl/">http://www.energy.ca.gov/pcl/</a>		
For additional questions, please contact the California Energy Commission at:	Toll-free in California: 844-454-2906 Outside California: 916-653-0237		



Version: October 2020

2019 POWER CONTENT LABEL			
Redwood Coast Energy Authority			
<a href="https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/">https://redwoodenergy.org/community-choice-energy/about-community-choice/power-sources/power-mix/</a>			
ENERGY RESOURCES	REpower	REpower+	2019 CA Power Mix
<b>Eligible Renewable<sup>1</sup></b>	<b>42.7%</b>	<b>100.0%</b>	<b>31.7%</b>
Biomass & Biowaste	25.8%	12.0%	2.4%
Geothermal	0.0%	0.0%	4.8%
Eligible Hydroelectric	0.0%	0.0%	2.0%
Solar	2.2%	44.0%	12.3%
Wind	14.7%	44.0%	10.2%
Coal	0.0%	0.0%	3.0%
Large Hydroelectric	55.3%	0.0%	14.6%
Natural Gas	0.3%	0.0%	34.2%
Nuclear	0.1%	0.0%	9.0%
Other	0.8%	0.0%	0.2%
Unspecified sources of power <sup>2</sup>	0.8%	0.0%	7.3%
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>Percentage of Retail Sales Covered by Retired Unbundled RECs<sup>3</sup></b>	<b>0.0%</b>	<b>0.0%</b>	
<sup>1</sup> The eligible renewable percentage above does not reflect RPS compliance, which is determined using a different methodology. <sup>2</sup> Unspecified power is electricity that has been purchased through open market transactions and is not traceable to a specific generation source. <sup>3</sup> Renewable energy credits (RECs) are tracking instruments issued for renewable generation. Unbundled renewable energy credits (RECs) represent renewable generation that was not delivered to serve retail sales. Unbundled RECs are not reflected in the power mix or GHG emissions intensities above.			
For specific information about this electricity product, contact:	<b>Redwood Coast Energy Authority</b> <b>707-269-1700</b>		
For general information about the Power Content Label, please visit:	<a href="http://www.energy.ca.gov/pcl/">http://www.energy.ca.gov/pcl/</a>		
For additional questions, please contact the California Energy Commission at:	Toll-free in California: 844-454-2906 Outside California: 916-653-0237		



**STAFF REPORT  
Agenda Item # 5.3**

AGENDA DATE:	October 22, 2020
TO:	Board of Directors
PREPARED BY:	Mahayla Slackerelli, Account Services Manager
SUBJECT:	CCE Program Rates Update

**SUMMARY**

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**October Rate Adjustment**

On October 1, PG&E adjusted their electric rates including the generation rate. In this rate adjustment the power charge indifference adjustment (PCIA) has remained the same.

Accordingly, on October 15, RCEA adjusted its generation rates to maintain the standard 1% discount relative to PG&E's rates. In alignment with PG&E's generation rate decrease, RCEA's rates decreased by 0.2% on average for residential and commercial customers.

**Future Rate Adjustments**

Staff is expecting a significant PG&E rate adjustment January 1, 2021. Forecasts suggest a 10% decrease in PG&E's generation rate. In addition, an increase to the PCIA is projected for Q1. If the PCIA does not increase January 1, it is expected to happen soon after.

**FINANCIAL IMPACTS**

Minimal financial impacts.

**STAFF RECOMMENDATION**

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None – Information only.

Attachment A: October 2020 RCEA Residential Generation Rates

Attachment B: October 2020 RCEA Commercial, Industrial and Agricultural Generation Rates



## RCEA Community Choice Energy Program

### Residential Generation Rates

Effective October 15th, 2020

**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 October 1, 2020 and subject to change

PG&E Equivalent Schedule	RCEA Rate Schedule	Time of Use Period	RCEA Rate	RCEA Rate Plus PG&E Fees <sup>1</sup>
E-1, EL-1, EM, EML, ES, ESL, ESR, ESRL, ET, ETL	E-1 Energy \$/KWH	Total	0.08218	0.11621
E-6, EL-6	E-6 Energy \$/KWH	Summer Peak	0.22770	0.26173
		Summer Part Peak	0.10613	0.14016
		Summer Off Peak	0.05652	0.09055
		Winter Part Peak	0.08407	0.11810
		Winter Off Peak	0.07042	0.10445
EV-A	EV-A Energy \$/KWH	Summer Peak	0.23980	0.27383
		Summer Part Peak	0.09794	0.13197
		Summer Off Peak	0.03229	0.06632
		Winter On Peak	0.06830	0.10233
		Winter Part Peak	0.02989	0.06392
		Winter Off Peak	0.03466	0.06869
EV2-A	EV2-A Energy \$/KWH	Summer Peak	0.14741	0.18144
		Summer Part Peak	0.10314	0.13717
		Summer Off Peak	0.06242	0.09645
		Winter On Peak	0.09110	0.12513
		Winter Part Peak	0.07874	0.11277
		Winter Off Peak	0.05550	0.08953
E-TOU-A	E-TOU-A Energy \$/KWH	Summer On Peak	0.16470	0.19873
		Summer Off Peak	0.08988	0.12391
		Winter On Peak	0.07824	0.11227
		Winter Off Peak	0.06408	0.09811
E-TOU-B	E-TOU-B Energy \$/KWH	Summer On Peak	0.18603	0.22006
		Summer Off Peak	0.08400	0.11803
		Winter On Peak	0.08027	0.11430
		Winter Off Peak	0.06165	0.09568
E-TOU-C	E-TOU-C Energy \$/KWH	Summer On Peak	0.13151	0.16554
		Summer Off Peak	0.07860	0.11263
		Winter On Peak	0.08324	0.11727
		Winter Off Peak	0.06836	0.10239

PG&E Equivalent Schedule	RCEA Rate Schedule	Time of Use Period	RCEA Rate	RCEA Rate Plus PG&E Fees <sup>1</sup>
E-TOU-D	E-TOU-D	Summer On Peak	0.14351	0.17754
	Energy	Summer Off Peak	0.05940	0.09343
	\$/KWH	Winter On Peak	0.10262	0.13665
		Winter Off Peak	0.08769	0.12172

<sup>1</sup>PG&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 October 15, 2020

**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 October 1, 2020 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 <sup>1</sup>
A-1	A-1-A	Energy (\$/KWH)	Summer Total	0.09944	0.13204
		Energy (\$/KWH)	Winter Total	0.05970	0.09230
A-1-X	A-1-B	Energy (\$/KWH)	Summer On Peak	0.11430	0.14690
		Energy (\$/KWH)	Summer Part Peak	0.09087	0.12347
		Energy (\$/KWH)	Summer Off Peak	0.06380	0.09640
		Energy (\$/KWH)	Winter Part Peak	0.09068	0.12328
		Energy (\$/KWH)	Winter Off Peak	0.06998	0.10258
A-10-S	A-10-A	Energy (\$/KWH)	Summer Total	0.08684	0.12196
		Demand (\$/KW)	Summer Total	5.71	5.71
		Energy (\$/KWH)	Winter Total	0.0598	0.09492
A-10-P	A-10-A-P	Energy (\$/KWH)	Summer Total	0.07674	0.11186
		Demand (\$/KW)	Summer Total	4.96	4.96
		Energy (\$/KWH)	Winter Total	0.05323	0.08835
A-10-T	A-10-A-T	Energy (\$/KWH)	Summer Total	0.06705	0.10217
		Demand (\$/KW)	Summer Total	3.91	3.91
A-10-S-X	A-10-B	Energy (\$/KWH)	Winter Total	0.04649	0.08161
		Energy (\$/KWH)	Summer On Peak	0.14018	0.17530
		Energy (\$/KWH)	Summer Part Peak	0.08560	0.12072
		Energy (\$/KWH)	Summer Off Peak	0.05782	0.09294
		Demand (\$/KW)	Summer Total	5.71	5.71
		Energy (\$/KWH)	Winter Part Peak	0.06982	0.10494
		Energy (\$/KWH)	Winter Off Peak	0.05293	0.08805
A-10-P-X	A-10-B-P	Energy (\$/KWH)	Summer On Peak	0.12842	0.16354
		Energy (\$/KWH)	Summer Part Peak	0.07836	0.11348
		Energy (\$/KWH)	Summer Off Peak	0.05201	0.08713
		Demand (\$/KW)	Summer Total	4.96	4.96
		Energy (\$/KWH)	Winter Part Peak	0.0648	0.09992
		Energy (\$/KWH)	Winter Off Peak	0.04908	0.08420
A-10-T-X	A-10-B-T	Energy (\$/KWH)	Summer On Peak	0.11388	0.14900
		Energy (\$/KWH)	Summer Part Peak	0.06747	0.10259
		Energy (\$/KWH)	Summer Off Peak	0.04242	0.07754
		Demand (\$/KW)	Summer Total	3.91	3.91
		Energy (\$/KWH)	Winter Part Peak	0.05579	0.09091
		Energy (\$/KWH)	Winter Off Peak	0.04137	0.07649

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
A-6	A-6	Energy (\$/KWH)	Summer On Peak	0.35321	0.38581
		Energy (\$/KWH)	Summer Part Peak	0.11602	0.14862
		Energy (\$/KWH)	Summer Off Peak	0.05831	0.09091
		Energy (\$/KWH)	Winter Part Peak	0.08353	0.11613
		Energy (\$/KWH)	Winter Off Peak	0.06620	0.09880
E-19-S,V	E-19-S	Energy (\$/KWH)	Summer On Peak	0.11402	0.14620
		Energy (\$/KWH)	Summer Part Peak	0.06684	0.09902
		Energy (\$/KWH)	Summer Off Peak	0.0356	0.06778
		Demand (\$/KW)	Summer On Peak	14.71	14.71
		Demand (\$/KW)	Summer Part Peak	3.63	3.63
		Energy (\$/KWH)	Winter Part Peak	0.06039	0.09257
		Energy (\$/KWH)	Winter Off Peak	0.04336	0.07554
E-19-S,R	E-19-R-S	Energy (\$/KWH)	Summer On Peak	0.27285	0.30503
		Energy (\$/KWH)	Summer Part Peak	0.10670	0.13888
		Energy (\$/KWH)	Summer Off Peak	0.03995	0.07213
		Energy (\$/KWH)	Winter Part Peak	0.06388	0.09606
		Energy (\$/KWH)	Winter Off Peak	0.04745	0.07963
E-19-P,V	E-19-P	Energy (\$/KWH)	Summer On Peak	0.10267	0.13485
		Energy (\$/KWH)	Summer Part Peak	0.05821	0.09039
		Energy (\$/KWH)	Summer Off Peak	0.02962	0.06180
		Demand (\$/KW)	Summer On Peak	13.08	13.08
		Demand (\$/KW)	Summer Part Peak	3.19	3.19
		Energy (\$/KWH)	Winter Part Peak	0.05220	0.08438
		Energy (\$/KWH)	Winter Off Peak	0.03667	0.06885
E-19-P,R	E-19-R-P	Energy (\$/KWH)	Summer On Peak	0.25793	0.29011
		Energy (\$/KWH)	Summer Part Peak	0.09636	0.12854
		Energy (\$/KWH)	Summer Off Peak	0.03349	0.06567
		Energy (\$/KWH)	Winter Part Peak	0.05532	0.08750
		Energy (\$/KWH)	Winter Off Peak	0.04031	0.07249
E-19-T,V	E-19-T	Energy (\$/KWH)	Summer On Peak	0.06093	0.09311
		Energy (\$/KWH)	Summer Part Peak	0.04633	0.07851
		Energy (\$/KWH)	Summer Off Peak	0.02699	0.05917
		Demand (\$/KW)	Summer On Peak	14.39	14.39
		Demand (\$/KW)	Summer Part Peak	3.61	3.61
		Energy (\$/KWH)	Winter Part Peak	0.04862	0.08080
		Energy (\$/KWH)	Winter Off Peak	0.03377	0.06595
E-19-T,R	E-19-R-T	Energy (\$/KWH)	Summer On Peak	0.24895	0.28113
		Energy (\$/KWH)	Summer Part Peak	0.09441	0.12659
		Energy (\$/KWH)	Summer Off Peak	0.03239	0.06457
		Energy (\$/KWH)	Winter Part Peak	0.05328	0.08546
		Energy (\$/KWH)	Winter Off Peak	0.03893	0.07111



PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
E-20-S,V	E-20-S	Energy (\$/KWH)	Summer On Peak	0.10492	0.13587
		Energy (\$/KWH)	Summer Part Peak	0.06202	0.09297
		Energy (\$/KWH)	Summer Off Peak	0.03256	0.06351
		Demand (\$/KW)	Summer On Peak	14.26	14.26
		Demand (\$/KW)	Summer Part Peak	3.51	3.51
		Energy (\$/KWH)	Winter Part Peak	0.05578	0.08673
		Energy (\$/KWH)	Winter Off Peak	0.03983	0.07078
E-20-S,R	E-20-R-S	Energy (\$/KWH)	Summer On Peak	0.24631	0.27726
		Energy (\$/KWH)	Summer Part Peak	0.09788	0.12883
		Energy (\$/KWH)	Summer Off Peak	0.03530	0.06625
		Energy (\$/KWH)	Winter Part Peak	0.05775	0.08870
		Energy (\$/KWH)	Winter Off Peak	0.04233	0.07328
E-20-P,V	E-20-P	Energy (\$/KWH)	Summer On Peak	0.1088	0.13856
		Energy (\$/KWH)	Summer Part Peak	0.06164	0.09140
		Energy (\$/KWH)	Summer Off Peak	0.03262	0.06238
		Demand (\$/KW)	Summer On Peak	15.60	15.60
		Demand (\$/KW)	Summer Part Peak	3.69	3.69
		Energy (\$/KWH)	Winter Part Peak	0.05542	0.08518
		Energy (\$/KWH)	Winter Off Peak	0.03975	0.06951
E-20-P,R	E-20-R-P	Energy (\$/KWH)	Summer On Peak	0.26464	0.29440
		Energy (\$/KWH)	Summer Part Peak	0.09777	0.12753
		Energy (\$/KWH)	Summer Off Peak	0.03553	0.06529
		Energy (\$/KWH)	Winter Part Peak	0.05758	0.08734
		Energy (\$/KWH)	Winter Off Peak	0.04242	0.07218
E-20-T,V	E-20-T	Energy (\$/KWH)	Summer On Peak	0.06361	0.09122
		Energy (\$/KWH)	Summer Part Peak	0.04930	0.07691
		Energy (\$/KWH)	Summer Off Peak	0.03036	0.05797
		Demand (\$/KW)	Summer On Peak	18.59	18.59
		Demand (\$/KW)	Summer Part Peak	4.43	4.43
		Energy (\$/KWH)	Winter Part Peak	0.05155	0.07916
		Energy (\$/KWH)	Winter Off Peak	0.03701	0.06462
E-20-T,R	E-20-R-T	Energy (\$/KWH)	Summer On Peak	0.25918	0.28679
		Energy (\$/KWH)	Summer Part Peak	0.09224	0.11985
		Energy (\$/KWH)	Summer Off Peak	0.03268	0.06029
		Energy (\$/KWH)	Winter Part Peak	0.05327	0.08088
		Energy (\$/KWH)	Winter Off Peak	0.03920	0.06681

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
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### Standby Service

S-TOU-P	S-TOU-P	Energy (\$/KWH)	Summer On Peak	0.09764	0.12224
		Energy (\$/KWH)	Summer Part Peak	0.07824	0.10284
		Energy (\$/KWH)	Summer Off Peak	0.05286	0.07746
		Reservation Charge (\$/KW)	Summer Total	0.47520	0.47520
		Energy (\$/KWH)	Winter Part Peak	0.08133	0.10593
		Energy (\$/KWH)	Winter Off Peak	0.06167	0.08627
		Reservation Charge (\$/KW)	Winter Total	0.47520	0.47520
S-TOU-T	S-TOU-T	Energy (\$/KWH)	Summer On Peak	0.07448	0.09908
		Energy (\$/KWH)	Summer Part Peak	0.05894	0.08354
		Energy (\$/KWH)	Summer Off Peak	0.03836	0.06296
		Reservation Charge (\$/KW)	Summer Total	0.38610	0.38610
		Energy (\$/KWH)	Winter Part Peak	0.06138	0.08598
		Energy (\$/KWH)	Winter Off Peak	0.04558	0.07018
		Reservation Charge (\$/KW)	Winter Total	0.38610	0.38610

### Street and Outdoor Lighting

LS-1, LS-2, LS-3, OL-1	LS-1	Energy (\$/KWH)	All Total	0.06547	0.09259
TC-1	TC-1	Energy (\$/KWH)	All Total	0.07619	0.10331

### B Commercial and Industrial Rates

B-1	B-1	Energy (\$/KWH)	Summer On Peak	0.14286	0.17546
		Energy (\$/KWH)	Summer Part Peak	0.09412	0.12672
		Energy (\$/KWH)	Summer Off Peak	0.07353	0.10613
		Energy (\$/KWH)	Winter On Peak	0.08817	0.12077
		Energy (\$/KWH)	Winter Off Peak	0.07221	0.10481
		Energy (\$/KWH)	Winter Super Off Peak	0.05596	0.08856
B1-ST	B-1-ST	Energy (\$/KWH)	Summer On Peak	0.14761	0.18021
		Energy (\$/KWH)	Summer Part Peak	0.10557	0.13817
		Energy (\$/KWH)	Summer Off Peak	0.07018	0.10278
		Energy (\$/KWH)	Winter On Peak	0.09754	0.13014
		Energy (\$/KWH)	Winter Part Peak	0.08532	0.11792
		Energy (\$/KWH)	Winter Off Peak	0.06354	0.09614
		Energy (\$/KWH)	Winter Super Off Peak	0.04728	0.07988

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
B-6	B-6	Energy (\$/KWH)	Summer On Peak	0.14742	0.18002
		Energy (\$/KWH)	Summer Off Peak	0.07697	0.10957
		Energy (\$/KWH)	Winter On Peak	0.08454	0.11714
		Energy (\$/KWH)	Winter Off Peak	0.06765	0.10025
		Energy (\$/KWH)	Winter Super Off Peak	0.05139	0.08399
B-10-S	B-10-S	Energy (\$/KWH)	Summer On Peak	0.16463	0.19975
		Energy (\$/KWH)	Summer Part Peak	0.10356	0.13868
		Energy (\$/KWH)	Summer Off Peak	0.07131	0.10643
		Energy (\$/KWH)	Winter On Peak	0.10716	0.14228
		Energy (\$/KWH)	Winter Off Peak	0.07204	0.10716
		Energy (\$/KWH)	Winter Super Off Peak	0.03606	0.07118
B-10-P	B-10-P	Energy (\$/KWH)	Summer On Peak	0.15056	0.18568
		Energy (\$/KWH)	Summer Part Peak	0.09285	0.12797
		Energy (\$/KWH)	Summer Off Peak	0.06232	0.09744
		Energy (\$/KWH)	Winter On Peak	0.09648	0.13160
		Energy (\$/KWH)	Winter Off Peak	0.06318	0.09830
		Energy (\$/KWH)	Winter Super Off Peak	0.0272	0.06232
B-10-T	B-10-T	Energy (\$/KWH)	Summer On Peak	0.13832	0.17344
		Energy (\$/KWH)	Summer Part Peak	0.08215	0.11727
		Energy (\$/KWH)	Summer Off Peak	0.05238	0.08750
		Energy (\$/KWH)	Winter On Peak	0.08581	0.12093
		Energy (\$/KWH)	Winter Off Peak	0.0533	0.08842
		Energy (\$/KWH)	Winter Super Off Peak	0.01732	0.05244
BEV-1	BEV-1	Energy (\$/KWH)	All On Peak	0.23264	0.26023
		Energy (\$/KWH)	All Off Peak	0.05191	0.07950
		Energy (\$/KWH)	All Super Off Peak	0.02677	0.05436
BEV-2-S	BEV-2-S	Energy (\$/KWH)	All On Peak	0.24646	0.27931
		Energy (\$/KWH)	All Off Peak	0.04513	0.07798
		Energy (\$/KWH)	All Super Off Peak	0.01999	0.05284
BEV-2-P	BEV-2-P	Energy (\$/KWH)	All On Peak	0.23618	0.26903
		Energy (\$/KWH)	All Off Peak	0.04216	0.07501
		Energy (\$/KWH)	All Super Off Peak	0.0182	0.05105
B-19-S,V	B-19-S	Energy (\$/KWH)	Summer On Peak	0.10505	0.13723
		Energy (\$/KWH)	Summer Part Peak	0.0756	0.10778
		Energy (\$/KWH)	Summer Off Peak	0.05476	0.08694
		Demand (\$/KW)	Summer On Peak	14.76	14.76
		Demand (\$/KW)	Summer Part Peak	2.15	2.15
		Energy (\$/KWH)	Winter On Peak	0.08634	0.11852
		Energy (\$/KWH)	Winter Off Peak	0.05468	0.08686
		Energy (\$/KWH)	Winter Super Off Peak	0.0122	0.04438
		Demand (\$/KW)	Winter On Peak	1.75	1.75

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
B-19-P,V	B-19-P	Energy (\$/KWH)	Summer On Peak	0.08943	0.12161
		Energy (\$/KWH)	Summer Part Peak	0.06707	0.09925
		Energy (\$/KWH)	Summer Off Peak	0.04761	0.07979
		Demand (\$/KW)	Summer On Peak	12.62	12.62
		Demand (\$/KW)	Summer Part Peak	1.84	1.84
		Energy (\$/KWH)	Winter On Peak	0.0773	0.10948
		Energy (\$/KWH)	Winter Off Peak	0.04774	0.07992
		Energy (\$/KWH)	Winter Super Off Peak	0.00567	0.03785
		Demand (\$/KW)	Winter On Peak	1.30	1.30
B-19-T,V	B-19-T	Energy (\$/KWH)	Summer On Peak	0.07644	0.10862
		Energy (\$/KWH)	Summer Part Peak	0.06732	0.09950
		Energy (\$/KWH)	Summer Off Peak	0.04786	0.08004
		Demand (\$/KW)	Summer On Peak	9.65	9.65
		Demand (\$/KW)	Summer Part Peak	2.42	2.42
		Energy (\$/KWH)	Winter On Peak	0.07766	0.10984
		Energy (\$/KWH)	Winter Off Peak	0.04812	0.08030
		Energy (\$/KWH)	Winter Super Off Peak	0.00466	0.03684
		Demand (\$/KW)	Winter On Peak	0.93	0.93
B-19-S,R	B-19-R-S	Energy (\$/KWH)	Summer On Peak	0.23128	0.26346
		Energy (\$/KWH)	Summer Part Peak	0.09706	0.12924
		Energy (\$/KWH)	Summer Off Peak	0.05894	0.09112
		Energy (\$/KWH)	Winter On Peak	0.10077	0.13295
		Energy (\$/KWH)	Winter Off Peak	0.05887	0.09105
		Energy (\$/KWH)	Winter Super Off Peak	0.02341	0.05559
B-19-P,R	B-19-R-P	Energy (\$/KWH)	Summer On Peak	0.20787	0.24005
		Energy (\$/KWH)	Summer Part Peak	0.08557	0.11775
		Energy (\$/KWH)	Summer Off Peak	0.05052	0.08270
		Energy (\$/KWH)	Winter On Peak	0.08791	0.12009
		Energy (\$/KWH)	Winter Off Peak	0.05063	0.08281
		Energy (\$/KWH)	Winter Super Off Peak	0.01517	0.04735
B-19-T,R	B-19-R-T	Energy (\$/KWH)	Summer On Peak	0.17266	0.20484
		Energy (\$/KWH)	Summer Part Peak	0.09198	0.12416
		Energy (\$/KWH)	Summer Off Peak	0.05025	0.08243
		Energy (\$/KWH)	Winter On Peak	0.08380	0.11598
		Energy (\$/KWH)	Winter Off Peak	0.05046	0.08264
		Energy (\$/KWH)	Winter Super Off Peak	0.01499	0.04717
B-19-S,S	B-19-S-S	Energy (\$/KWH)	Summer On Peak	0.23128	0.26346
		Energy (\$/KWH)	Summer Part Peak	0.09706	0.12924
		Energy (\$/KWH)	Summer Off Peak	0.05894	0.09112
		Energy (\$/KWH)	Winter On Peak	0.10077	0.13295
		Energy (\$/KWH)	Winter Off Peak	0.05887	0.09105
		Energy (\$/KWH)	Winter Super Off Peak	0.02341	0.05559

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
B-19-P,S	B-19-S-P	Energy (\$/KWH)	Summer On Peak	0.20787	0.24005
		Energy (\$/KWH)	Summer Part Peak	0.08557	0.11775
		Energy (\$/KWH)	Summer Off Peak	0.05052	0.08270
		Energy (\$/KWH)	Winter On Peak	0.08791	0.12009
		Energy (\$/KWH)	Winter Off Peak	0.05063	0.08281
		Energy (\$/KWH)	Winter Super Off Peak	0.01517	0.04735
B-19-T,S	B-19-S-T	Energy (\$/KWH)	Summer On Peak	0.17266	0.20484
		Energy (\$/KWH)	Summer Part Peak	0.09198	0.12416
		Energy (\$/KWH)	Summer Off Peak	0.05025	0.08243
		Energy (\$/KWH)	Winter On Peak	0.08380	0.11598
		Energy (\$/KWH)	Winter Off Peak	0.05046	0.08264
		Energy (\$/KWH)	Winter Super Off Peak	0.01499	0.04717
B-20-S,V	B-20-S	Energy (\$/KWH)	Summer On Peak	0.09991	0.12967
		Energy (\$/KWH)	Summer Part Peak	0.07330	0.10306
		Energy (\$/KWH)	Summer Off Peak	0.05228	0.08204
		Demand (\$/KW)	Summer On Peak	14.45	14.45
		Demand (\$/KW)	Summer Part Peak	2.10	2.10
		Energy (\$/KWH)	Winter On Peak	0.08406	0.11382
		Energy (\$/KWH)	Winter Off Peak	0.05212	0.08188
		Energy (\$/KWH)	Winter Super Off Peak	0.00932	0.03908
B-20-P,V	B-20-P	Demand (\$/KW)	Winter On Peak	1.84	1.84
		Energy (\$/KWH)	Summer On Peak	0.09691	0.12667
		Energy (\$/KWH)	Summer Part Peak	0.06884	0.09860
		Energy (\$/KWH)	Summer Off Peak	0.04925	0.07901
		Demand (\$/KW)	Summer On Peak	15.81	15.81
		Demand (\$/KW)	Summer Part Peak	2.17	2.17
		Energy (\$/KWH)	Winter On Peak	0.07905	0.10881
		Energy (\$/KWH)	Winter Off Peak	0.04931	0.07907
B-20-T,V	B-20-T	Energy (\$/KWH)	Winter Super Off Peak	0.00712	0.03688
		Demand (\$/KW)	Winter On Peak	1.82	1.82
		Energy (\$/KWH)	Summer On Peak	0.07900	0.10661
		Energy (\$/KWH)	Summer Part Peak	0.06194	0.08955
		Energy (\$/KWH)	Summer Off Peak	0.04288	0.07049
		Demand (\$/KW)	Summer On Peak	17.63	17.63
		Demand (\$/KW)	Summer Part Peak	4.20	4.20
		Energy (\$/KWH)	Winter On Peak	0.07818	0.10579
B-20-S,R	B-20-R-S	Energy (\$/KWH)	Winter Off Peak	0.03943	0.06704
		Energy (\$/KWH)	Winter Super Off Peak	0.00074	0.02835
		Demand (\$/KW)	Winter On Peak	2.36	2.36
		Energy (\$/KWH)	Summer On Peak	0.22478	0.25454
		Energy (\$/KWH)	Summer Part Peak	0.09335	0.12311
		Energy (\$/KWH)	Summer Off Peak	0.05627	0.08603
		Energy (\$/KWH)	Winter On Peak	0.09942	0.12918
		Energy (\$/KWH)	Winter Off Peak	0.05613	0.08589
		Energy (\$/KWH)	Winter Super Off Peak	0.02074	0.05050



PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
B-20-P,R	B-20-R-P	Energy (\$/KWH)	Summer On Peak	0.21520	0.24496
		Energy (\$/KWH)	Summer Part Peak	0.08758	0.11734
		Energy (\$/KWH)	Summer Off Peak	0.05323	0.08299
		Energy (\$/KWH)	Winter On Peak	0.09295	0.12271
		Energy (\$/KWH)	Winter Off Peak	0.05328	0.08304
		Energy (\$/KWH)	Winter Super Off Peak	0.01789	0.04765
B-20-T,R	B-20-R-T	Energy (\$/KWH)	Summer On Peak	0.21434	0.24195
		Energy (\$/KWH)	Summer Part Peak	0.09690	0.12451
		Energy (\$/KWH)	Summer Off Peak	0.04715	0.07476
		Energy (\$/KWH)	Winter On Peak	0.09674	0.12435
		Energy (\$/KWH)	Winter Off Peak	0.04426	0.07187
		Energy (\$/KWH)	Winter Super Off Peak	0.01179	0.03940
B-20-S,S	B-20-S-S	Energy (\$/KWH)	Summer On Peak	0.22478	0.25454
		Energy (\$/KWH)	Summer Part Peak	0.09335	0.12311
		Energy (\$/KWH)	Summer Off Peak	0.05627	0.08603
		Energy (\$/KWH)	Winter On Peak	0.09942	0.12918
		Energy (\$/KWH)	Winter Off Peak	0.05613	0.08589
		Energy (\$/KWH)	Winter Super Off Peak	0.02074	0.05050
B-20-P,S	B-20-S-P	Energy (\$/KWH)	Summer On Peak	0.21520	0.24496
		Energy (\$/KWH)	Summer Part Peak	0.08758	0.11734
		Energy (\$/KWH)	Summer Off Peak	0.05323	0.08299
		Energy (\$/KWH)	Winter On Peak	0.09295	0.12271
		Energy (\$/KWH)	Winter Off Peak	0.05328	0.08304
		Energy (\$/KWH)	Winter Super Off Peak	0.01789	0.04765
B-20-T,S	B-20-S-T	Energy (\$/KWH)	Summer On Peak	0.21434	0.24195
		Energy (\$/KWH)	Summer Part Peak	0.09690	0.12451
		Energy (\$/KWH)	Summer Off Peak	0.04715	0.07476
		Energy (\$/KWH)	Winter On Peak	0.09674	0.12435
		Energy (\$/KWH)	Winter Off Peak	0.04426	0.07187
		Energy (\$/KWH)	Winter Super Off Peak	0.01179	0.03940
S-B-P,S	S-B-P,S	Energy (\$/KWH)	Summer On Peak	0.09141	0.11601
		Energy (\$/KWH)	Summer Part Peak	0.07926	0.10386
		Energy (\$/KWH)	Summer Off Peak	0.06574	0.09034
		Energy (\$/KWH)	Winter On Peak	0.08655	0.11115
		Energy (\$/KWH)	Winter Off Peak	0.06689	0.09149
		Energy (\$/KWH)	Winter Super Off Peak	0.02323	0.04783
		Reservation Charge (\$/KW)	All	0.30690	0.30690

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
S-B-T	S-B-T	Energy (\$/KWH)	Summer On Peak	0.07883	0.10343
		Energy (\$/KWH)	Summer Part Peak	0.06698	0.09158
		Energy (\$/KWH)	Summer Off Peak	0.05381	0.07841
		Energy (\$/KWH)	Winter On Peak	0.07417	0.09877
		Energy (\$/KWH)	Winter Off Peak	0.05504	0.07964
		Energy (\$/KWH)	Winter Super Off Peak	0.01132	0.03592
		Reservation Charge (\$/KW)	All	0.17820	0.17820

### Agricultural Rates

AG-1-A	AG-1-A	Energy (\$/KWH)	Summer Total	0.08129	0.11173
		Connected Load	Summer Total	1.53	1.53
		Energy (\$/KWH)	Winter Total	0.06008	0.09052
AG-1-B	AG-1-B	Energy (\$/KWH)	Summer Total	0.08499	0.11543
		Demand (\$/KW)	Summer Total	2.32	2.32
		Energy (\$/KWH)	Winter Total	0.06058	0.09102
AG-1-P-X	AG-1-B-P	Energy (\$/KWH)	Summer Total	0.08499	0.11543
		Demand (\$/KW)	Summer Total	1.46	1.46
		Energy (\$/KWH)	Winter Total	0.06058	0.09102
AG-R-A	AG-R-A	Energy (\$/KWH)	Summer On Peak	0.26904	0.29948
		Energy (\$/KWH)	Summer Off Peak	0.04791	0.07835
		Connected Load	Summer Total	1.51	1.51
		Energy (\$/KWH)	Winter Part Peak	0.05579	0.08623
		Energy (\$/KWH)	Winter Off Peak	0.04354	0.07398
AG-V-A	AG-V-A	Energy (\$/KWH)	Summer On Peak	0.23206	0.26250
		Energy (\$/KWH)	Summer Off Peak	0.04489	0.07533
		Connected Load	Summer Total	1.58	1.58
		Energy (\$/KWH)	Winter Part Peak	0.05410	0.08454
		Energy (\$/KWH)	Winter Off Peak	0.04210	0.07254
AG-V-B	AG-V-B	Energy (\$/KWH)	Summer On Peak	0.21496	0.24540
		Energy (\$/KWH)	Summer Off Peak	0.04575	0.07619
		Demand (\$/KW)	Summer Total	2.09	2.09
		Demand (\$/KW)	Summer On Peak	2.68	2.68
		Energy (\$/KWH)	Winter Part Peak	0.04186	0.07230
		Energy (\$/KWH)	Winter Off Peak	0.03161	0.06205
AG-4-A	AG-4-A	Energy (\$/KWH)	Summer On Peak	0.14879	0.17923
		Energy (\$/KWH)	Summer Off Peak	0.04935	0.07979
		Connected Load	Summer Total	1.55	1.55
		Energy (\$/KWH)	Winter Part Peak	0.05387	0.08431
		Energy (\$/KWH)	Winter Off Peak	0.04202	0.07246
AG-4-B	AG-4-B	Energy (\$/KWH)	Summer On Peak	0.10669	0.13713
		Energy (\$/KWH)	Summer Off Peak	0.05070	0.08114
		Demand (\$/KW)	Summer Total	2.74	2.74
		Demand (\$/KW)	Summer On Peak	2.91	2.91
		Energy (\$/KWH)	Winter Part Peak	0.04878	0.07922
		Energy (\$/KWH)	Winter Off Peak	0.03751	0.06795

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
AG-4-B-X	AG-4-B-P	Energy (\$/KWH)	Summer On Peak	0.10669	0.13713
		Energy (\$/KWH)	Summer Off Peak	0.05070	0.08114
		Demand (\$/KW)	Summer Total	2.23	2.23
		Demand (\$/KW)	Summer On Peak	2.74	2.74
		Energy (\$/KWH)	Winter Part Peak	0.04878	0.07922
		Energy (\$/KWH)	Winter Off Peak	0.03751	0.06795
AG-4-C	AG-4-C	Energy (\$/KWH)	Summer On Peak	0.12733	0.15777
		Energy (\$/KWH)	Summer Part Peak	0.06035	0.09079
		Energy (\$/KWH)	Summer Off Peak	0.03602	0.06646
		Demand (\$/KW)	Summer On Peak	6.78	6.78
		Demand (\$/KW)	Summer Part Peak	1.16	1.16
		Energy (\$/KWH)	Winter Part Peak	0.04293	0.07337
		Energy (\$/KWH)	Winter Off Peak	0.03247	0.06291
AG-5-A	AG-5-A	Energy (\$/KWH)	Summer On Peak	0.13605	0.16649
		Energy (\$/KWH)	Summer Off Peak	0.05396	0.08440
		Connected Load	Summer Total	4.23	4.23
		Energy (\$/KWH)	Winter Part Peak	0.05775	0.08819
		Energy (\$/KWH)	Winter Off Peak	0.04538	0.07582
AG-5-B	AG-5-B	Energy (\$/KWH)	Summer On Peak	0.13329	0.16373
		Energy (\$/KWH)	Summer Off Peak	0.02670	0.05714
		Demand (\$/KW)	Summer Total	5.15	5.15
		Demand (\$/KW)	Summer On Peak	6.44	6.44
		Energy (\$/KWH)	Winter Part Peak	0.04892	0.07936
		Energy (\$/KWH)	Winter Off Peak	0.01752	0.04796
AG-5-C	AG-5-C	Energy (\$/KWH)	Summer On Peak	0.10602	0.13646
		Energy (\$/KWH)	Summer Part Peak	0.0498	0.08024
		Energy (\$/KWH)	Summer Off Peak	0.02887	0.05931
		Demand (\$/KW)	Summer On Peak	11.99	11.99
		Demand (\$/KW)	Summer Part Peak	2.26	2.26
		Energy (\$/KWH)	Winter Part Peak	0.03514	0.06558
		Energy (\$/KWH)	Winter Off Peak	0.02563	0.05607
AG-5-C-P	AG-5-C-P	Energy (\$/KWH)	Summer On Peak	0.10602	0.13646
		Energy (\$/KWH)	Summer Part Peak	0.0498	0.08024
		Energy (\$/KWH)	Summer Off Peak	0.02887	0.05931
		Demand (\$/KW)	Summer On Peak	9.52	9.52
		Demand (\$/KW)	Summer Part Peak	2.26	2.26
		Energy (\$/KWH)	Winter Part Peak	0.03514	0.06558
		Energy (\$/KWH)	Winter Off Peak	0.02563	0.05607
AG-A1-A-S,P,T	AG-A1-A-S,P,T	Energy (\$/KWH)	Summer On Peak	0.19127	0.22171
AG-A2-A-S,P,T	AG-A2-A-S,P,T	Energy (\$/KWH)	Summer Off Peak	0.07279	0.10323
		Energy (\$/KWH)	Winter On Peak	0.06950	0.09994
		Energy (\$/KWH)	Winter Off Peak	0.04332	0.07376
AG-B-A-S,P,T	AG-B-A-S,P,T	Energy (\$/KWH)	Summer On Peak	0.21138	0.24182
		Energy (\$/KWH)	Summer Off Peak	0.08954	0.11998
		Energy (\$/KWH)	Winter On Peak	0.08425	0.11469
		Energy (\$/KWH)	Winter Off Peak	0.05831	0.08875



PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees <sup>1</sup>
AG-C-A-S,P,T	AG-C-A-S,P,T	Energy (\$/KWH)	Summer On Peak	0.08434	0.11478
		Energy (\$/KWH)	Summer Off Peak	0.05516	0.08560
		Demand (\$/KW)	Summer On Peak	12.38	12.38
		Energy (\$/KWH)	Winter On Peak	0.06985	0.10029
		Energy (\$/KWH)	Winter Off Peak	0.04458	0.07502
AG-F-A1-S,P,T	AG-F-A1-S,P,T	Energy (\$/KWH)	Summer On Peak	0.15724	0.18768
AG-F-A2-S,P,T	AG-F-A2-S,P,T	Energy (\$/KWH)	Summer Off Peak (all day Wednesdays and	0.08088	0.11132
AG-F-A3-S,P,T	AG-F-A3-S,P,T		Thursdays)		
		Energy (\$/KWH)	Winter On Peak	0.07078	0.10122
		Energy (\$/KWH)	Winter Off Peak (all day Wednesdays and	0.04459	0.07503
			Thursdays)		
AG-F-B1-S,P,T	AG-F-B1-S,P,T	Energy (\$/KWH)	Summer On Peak	0.17931	0.20975
AG-F-B2-S,P,T	AG-F-B2-S,P,T	Energy (\$/KWH)	Summer Off Peak (all day Wednesdays and	0.09881	0.12925
AG-F-B3-S,P,T	AG-F-B3-S,P,T		Thursdays)		
		Energy (\$/KWH)	Winter On Peak	0.08688	0.11732
		Energy (\$/KWH)	Winter Off Peak (all day Wednesdays and	0.06069	0.09113
			Thursdays)		
AG-F-C1-S,P,T	AG-F-C1-S,P,T	Energy (\$/KWH)	Summer On Peak	0.09177	0.12221
AG-F-C2-S,P,T	AG-F-C2-S,P,T	Energy (\$/KWH)	Summer Off Peak (all day Wednesdays and	0.06206	0.09250
AG-F-C3-S,P,T	AG-F-C3-S,P,T		Thursdays)		
		Demand (\$/KW)	Summer On Peak	12.38	12.38
		Energy (\$/KWH)	Winter On Peak	0.07749	0.10793
			Winter Off Peak (all day Wednesdays and		
		Energy (\$/KWH)	Thursdays)	0.05130	0.08174

### Voltage Discount - 4%

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

<sup>1</sup>PG&E fees include the Power Charge Indifference Adjustment and the Franchise Fee.



**STAFF REPORT**  
**Agenda Item # 8.1**

AGENDA DATE:	October 22, 2020
TO:	Board of Directors
PREPARED BY:	Matthew Marshall, Executive Director Richard Engel, Director of Power Resources
SUBJECT:	Creation of Ad Hoc Committee for Long-Duration Storage Procurement Review

**SUMMARY**

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.

To address this issue, staff proposes creation of an ad hoc Board committee whose members would have the opportunity to review an important upcoming joint procurement 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 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.

A request for offers (RFO) was issued by the joint CCAs this month, and is available through Silicon Valley Clean Energy's website at: <https://www.svcleanenergy.org/joint-lds-rfo/>. The participating CCAs are working toward the creation of a "super joint powers authority" as a vehicle for this group procurement and other potential joint procurement efforts in the future. RCEA's Executive Director and General Counsel are working the other CCAs on the drafting of the JPA agreement and will be presenting this topic and an upcoming RCEA Board meeting. Participation in this stage of the RFO or choosing to join the JPA does not obligate RCEA to any procurement decision.

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.

**FINANCIAL IMPACTS**

Establishment of the proposed committee will not have any direct measurable financial impact.

However, there may be future financial benefits accrued through additional oversight of RCEA's procurement decisions.

### **RECOMMENDED ACTIONS**

Create an ad hoc committee for long-duration storage procurement review, and appoint up to 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**

None