Redwood Coast Energy Authority
633 3rd Street, Eureka, CA 95501
Phone: (707) 269-1700 Toll-Free (800) 931-7232 Fax: (707) 269-1777
E-mail: info@redwoodenergy.org Web: www.redwoodenergy.org

BOARD OF DIRECTORS MEETING AGENDA

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

COVID-19 NOTICE

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

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

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

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

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

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

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

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

OPEN SESSION Call to Order

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 October 22, 2020, Regular Board Meeting

3.2 Approve Disbursements Report.

3.3 Accept Financial Reports.

3.4 Accept Staff Report on Adjusted RCEA Power Generation Rates, Maintaining the Previously Approved 1% Discount Relative to PG&E's Generation Rates, Effective October 15, 2020.

3.5 Approve Selection of Aiqueous to Provide Database Development and Operation Services to RCEA for an Amount Not to Exceed $250,000 Through June 2023, and Authorize the Executive Director to Prepare and Execute a Professional Services Agreement with Aiqueous for These Services, and All Applicable Documents, Including Contract Extension Provisions.

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 COVID Load Impact Analysis Report by HSU Consultants (Information only)

6. NEW CCE BUSINESS – None.

END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

7. OLD BUSINESS

7.1 DG Fairhaven Power Purchase Agreement Expiration

Provide staff with guidance on whether or how to replace the renewable energy attributes associated with the expiring DG Fairhaven power purchase agreement.

8. NEW BUSINESS

8.1 2021 Community Choice Energy Program Budget Outlook and Options

Direct staff to reduce procurement of renewable and carbon-free power to as low as minimum compliance levels and reduce the customer rate discount to as little as 0.5% below PG&E rates, with final reduction amounts to be determined once complete 2021 PG&E rate forecasts are available.

8.2 Long-Duration Storage Procurement, "Super JPA" Formation, and Creation of Ad Hoc Review Committee

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

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.

11.2 Public Employee Performance Evaluation, pursuant to Government Code Section 54957(b)(1): Executive Director.

12. RECONVENE TO OPEN SESSION

13. CLOSED SESSION REPORT

14. ADJOURNMENT

NEXT REGULAR MEETING
Thursday, December 17, 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.

Th Redwood Coast Energy Authority
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BOARD OF DIRECTORS MEETING DRAFT MINUTES

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

Notice of this meeting was posted on October 17, 2020. Chair Austin Allison called a regular meeting of the Board of Directors of the Redwood Coast Energy Authority to order on the above date at 3:31 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. Chair Allison stated that the posted agenda contained public teleconference meeting participation instructions.

PRESENT: Chair Austin Allison, Stephen Avis, Chris Curran, Vice Chair Estelle Fennell, Dean Glaser, David Grover, Frank Wilson (arrived 3:48 p.m.), Michael Winkler, Sheri Woo. ABSENT: None. STAFF AND CONSULTANTS PRESENT: Regulatory and Legislative Policy Manager Aisha Cissna, General Counsel Nancy Diamond, Power Resources Director Richard Engel, Power Resources Manager Jocelyn Gwynn, The Energy Authority Client Services Manager Jaclyn Harr, Executive Director Matthew Marshall, Community Strategies Manager Nancy Stephenson, Board Clerk Lori Taketa.

REPORTS FROM MEMBER ENTITIES

Director Woo reported on the fire around Ruth Lake and the hydro plant, which cannot supply power until PG&E restores the grid. The Humboldt Bay Municipal Water District is trying to obtain CalOES grants to help repair millions of dollars of damage. Photos of the damage were requested.

Vice Chair Fennell expressed hope that the federal government could help with repair costs and disappointment that the Marshall Ranch solar project was not moving forward. Staff reported contacting the Ranch about hosting another developer for the shovel-ready project. Vice Chair Fennell expressed a desire for potential developers to address concerns over a tank above area homes and to move forward with the project.

Director Grover stated that Trinidad looked forward to a solar array on the Town Hall, and that, if re-elected, he looked forward to working more closely with the Yurok tribe on energy concerns and toward Trinidad's energy independence.

Chair Allison reported that the City of Eureka will negotiate with a developer to develop all-electric housing on three city-owned parking lots.

ORAL COMMUNICATIONS

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

CONSENT CALENDAR

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 3rd 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.

Executive Director Marshall requested that agenda item 3.4 be removed from the consent calendar.

M/S: Fennell, Avis: Approve consent calendar items except item 3.4.

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

REMOVED FROM CONSENT CALENDAR ITEMS

Executive Director Marshall reported on RCEA's electric vehicle (EV) charging network upgrades and the revised recommended action language allowing staff to proceed with the full bidding process and avoid bringing incremental steps back for Board approval. State CALeVIP Funding was received to help upgrade and expand the network in Fortuna, Old Town Eureka and at the Arcata Community Center.

The directors discussed the expected increase in electric vehicles due to the new state mandate and anticipated charging infrastructure demand. Staff reported that the current electric infrastructure was adequate to accommodate more fast-charging stations, which are typically used while traveling and are costly to install. State grants were recently obtained for two more fast-charging stations along the Highway 101 corridor. The majority of EV charging will be done in the same way as cell phone charging, at home overnight when electricity costs are lower or when parked at work at public charging stations. Typical cost for EV charging is $1.20/gallon of gas.

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

Director Wilson joined the meeting at 3:48 p.m.

M/S: Fennell, Avis: Authorize Staff to Solicit Bids and Award a Contract to the Lowest Responsive Responsible Bidder for Construction at the Eureka 3rd 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; to Seek

Reimbursement Through the CALeVIP Program; or to Reject All Bids if Deemed Fiscally Appropriate By the Executive Director; and Authorize the Executive Director to Execute All Applicable Documents.

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

COMMUNITY CHOICE ENERGY (CCE) BUSINESS

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

OLD CCE BUSINESS

Staff requested that the directors hear item 5.1.2 - Power Charge Indifference Adjustment Update prior to hearing The Energy Authority's Jaclyn Harr's Energy Risk Management Report.

5.1.2. Power Charge Indifference Adjustment Update (Information only)

Regulatory and Legislative Policy Manager Aisha Cissna reported on Power Charge Indifference Adjustment (PCIA) regulatory developments and next steps.

The PCIA is charged to investor-owned utility (IOU) and community choice aggregation (CCA) customers to cover the IOU's "stranded" costs resulting from older, more expensive renewable energy power procurement contracts and load forecasts that did not account for customer migration to CCAs. Manager Cissna reported that the PCIA is the chief threat to CCA financial viability, has increased by 600% since 2013, and continues to increase.

Manager Cissna described statewide efforts to separate PCIA charges on IOU customer bills ("bundled" customer bills), to counter the misperception that only CCA customers pay this fee. CalCCA is lobbying the CPUC to end the current cap and trigger system, where PCIA under-collection can be recouped in a short period of time when the underpayment amount reaches a trigger level. The under-collection threshold was met recently in the San Diego Gas & Electric service territory, resulting in SDG&E's request to increase the PCIA by 1600% for three months, potentially establishing a precedent for electricity customers statewide. CalCCA is also advocating that the California Public Utilities Commission (CPUC) extend the period over which the under-collected amount can be recouped from customers to three years. Both initiatives are aimed at reducing price volatility.

Executive Director Marshall described how the current PCIA system does not incentivize IOUs to maximize power portfolio value for their customers, since IOUs can charge their customers and CCA customers the PCIA to help pay for above-market contracts. CCAs are at a disadvantage because their purchasing decisions are based on market predictions without the benefit of a cost-recouping PCIA safety net. While the PCIA should lessen as legacy contracts end, there is no transparency into whether the above-market contracts are being renewed. The directors supported continued advocacy at the CPUC.

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

The Energy Authority Client Services Manager Jaclyn Harr reported on the 2021 Resource Adequacy (RA) procurement, the CCE program's financial outlook, RCEA customer response to Flex Alerts and the causes of August's rolling blackouts.

Ms. Harr explained the state mandate for RCEA to procure its share of energy resources to maintain grid reliability in different categories. RCEA has met its 2021 requirements for System RA and Flex RA (flexible energy resources that increase or decrease energy production to meet changing grid demands), but has not been able to procure adequate Local RA (reliability needs within grid transmission-restrained areas) because of a lack of supply. RCEA was one of many load-serving entities applying for Local RA waivers from the CPUC. The CPUC has since adjusted Local RA requirements. RCEA met Local RA requirements for some areas but will apply again for waivers for subregions where RA is unavailable.

TEA Manager Harr reported that while the CCE program's 2020 net revenue is expected to be $8.5 million, an $8.8 million deficit is projected for 2021 due to lowered PG&E generation rates and RCEA's decision to charge 1% less than PG&E for generation; an increased PCIA, and increased northern California power costs. Staff will present options to reduce power procurement costs at the Board's November meeting. The directors discussed how the current cap and trigger PCIA system was established, legal resources for monitoring PCIA developments, and the projected effect of the PCIA on financial reserves.

Ms. Harr reported that customer usage data shows no clear indication of local customer response to the Flex Alert during August's major heat event. The directors discussed increased Flex Alert communication to larger customers, and the need for less reliance on voluntary actions and increased emphasis on automated demand-response, especially for new HVAC systems being installed in the county.

TEA Manager Harr's report concluded with results of a preliminary analysis by the California Independent System Operator (CAISO), CPUC and California Energy Commission on the causes of the mid-August rotating power outages. The official causes were an extreme heat storm, the occurrence of which was unplanned; an ongoing transition to renewable energy requiring a corresponding change in resource adequacy planning, which was inadequate; and day-ahead energy market practices which exacerbated the energy shortfall. Some natural gas plants, which provide grid reliability as solar production tapers off in the evening, tripped offline and generated less electricity due to the extreme heat. Gas plants, which are being retired in a statewide transition toward renewable resources, had the largest shortfall of expected energy delivery as the sun set and the grid was most stressed. Wind energy also decreases in extreme heat. Significant California RA policy changes are expected as a result of the blackouts, although the timeline and means of change are unclear.

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

M/S: Grover, Avis: Accept Energy Risk Management Quarterly Report.

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

5.2. 2021 REpower+ Portfolio 2019 Power Source Disclosure and Power Content Label Approval

Power Resources Manager Jocelyn Gwynn reported on the CCE program's finalized 2019 Power Content Label which requires Board approval and which was submitted to the CEC. The Power Content Label shows RCEA's share of the statewide power mix. RCEA is required to mail this information to its customers. The directors expressed general approval of the power mix.

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

M/S: Avis, Winkler: Adopt Resolution 2020-8 Approving and Attesting to the Veracity of the 2019 Power Source Disclosure Report and Power Content Label.

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

ADJOURNMENT

Due to directors' time commitments, the directors agreed to table the remaining agenda items until the November 19, 2020, regular Board meeting.

Chair Allison adjourned the meeting at 5:50 p.m.

Lori Taketa
Clerk of the Board

Accrual Basis

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

Type	Date	Num	Name	Memo	Amount
Liability Check	09/08/2020	E-pay	EDD	Taxes	-4,318.30
Liability Check	09/08/2020	E-pay	Internal Revenue Service	Taxes	-21,306.32
Liability Check	09/10/2020	ACH	Newport Group	Deferred Compensation Contributions	-11,437.39
Bill Pmt -Check	09/10/2020	11228	Braun Blaising Smith Wynne	Legal Services - Regulatory - July	-22,330.76
Bill Pmt -Check	09/10/2020	11229	City of Arcata	August Excessive Energy Use Tax	-2,781.24
Bill Pmt -Check	09/10/2020	11230	City of Blue Lake	August Utility User Tax	-745.90
Bill Pmt -Check	09/10/2020	11231	Donald Dame	Professional Services - Aug 2020	-407.75
Bill Pmt -Check	09/10/2020	11232	Marshall, M.	M. Marshall travel: Offshore Wind	-61.77
Bill Pmt -Check	09/10/2020	11233	Michael Furniss	Consulting services 5/1-8/10/20	-19,900.00
Bill Pmt -Check	09/10/2020	11234	Morse Media	Website Development Services	-25.00
Bill Pmt -Check	09/10/2020	11235	PG&E CCA	July CCE Charges	-22,149.19
Bill Pmt -Check	09/10/2020	11236	PG&E Utility Account	7/22-8/20/20 utilities	-569.84
Bill Pmt -Check	09/10/2020	11237	Premier Financial Group	Advisory Fee	-469.95
Bill Pmt -Check	09/10/2020	11238	Ray Morgan Company	Printer Charges: 8/6-9/5/20	-27.66
Bill Pmt -Check	09/10/2020	11239	Recology	August garbage service	-91.71
Bill Pmt -Check	09/10/2020	11240	SDRMA Medical	October 2020 Premium	-25,019.58
Bill Pmt -Check	09/10/2020	11241	SDRMA WC	Final Audited Premium FY 2019-20	-617.06
Bill Pmt -Check	09/10/2020	11242	Shred Aware	Shredding services - August	-65.00
Bill Pmt -Check	09/10/2020	11243	Times Printing Company	Move-in mailers	-1,389.16
Bill Pmt -Check	09/10/2020	11244	VISA	August statement 7/21-8/20/20	-3,070.14
Bill Pmt -Check	09/10/2020	11245	City of Arcata	Aug Utility User Tax	-8,192.70
Paycheck	09/10/2020	ACH	Employees	Payroll 8/15-8/31/20	-52,465.67
Liability Check	09/24/2020	E-pay	EDD	Taxes	-4,351.88
Liability Check	09/24/2020	E-pay	Internal Revenue Service	Taxes	-21,505.78
Liability Check	09/24/2020	11280	Calvert	Deferred Compensation contributions	-1,893.22
Liability Check	09/24/2020	11281	Umpqua Bank	Health Savings Account contributions	-806.14
Bill Pmt -Check	09/25/2020	ACH	CalPine Corporation	Calpine August 2020 Costs	-73,556.30
Bill Pmt -Check	09/25/2020	ACH	Humboldt Redwood Company	Humboldt Redwood Co. August 2020	-698,845.11
Check	09/25/2020	11246	NEM Customers	NEM Yearly payouts	-1,890.17
Bill Pmt -Check	09/25/2020	11258	AT&T	August 707269177 telephone charges	-672.27
Bill Pmt -Check	09/25/2020	11259	Boutin Jones	Legal services: PG&E and Common Interest	-133.23
Bill Pmt -Check	09/25/2020	11260	CoPower	October premium - vision	-344.40
Bill Pmt -Check	09/25/2020	11261	County of Humboldt- Building Dept.	EVSE install permits	-728.00
Bill Pmt -Check	09/25/2020	11262	Developed Employment Services, LLC.	Facilities maintenance work	-114.60
Bill Pmt -Check	09/25/2020	11263	Diamond, Nancy	Legal services	-14,100.00
Bill Pmt -Check	09/25/2020	11264	FedEx	ResKit Mailing	-36.97
Bill Pmt -Check	09/25/2020	11265	Gwynn, J.	J. Gwynn: Travel to CAISO facility tour & CAISO train	-62.50
Bill Pmt -Check	09/25/2020	11266	HSU - Sponsored Programs Foundation	Asana subscription paid by SERV	-3,597.00
Bill Pmt -Check	09/25/2020	11267	Humboldt Bay Coffee Co.	Office Coffee	-51.90
Bill Pmt -Check	09/25/2020	11268	Mission Uniform & Linen	Sept mat service, janitorial supplies	-128.33
Bill Pmt -Check	09/25/2020	11269	North Coast Cleaning	August monthly cleaning service	-210.00
Bill Pmt -Check	09/25/2020	11270	NYLEX.net, Inc.	Onsite network support services - October	-3,200.00
Bill Pmt -Check	09/25/2020	11271	O&M Industries	Facility repairs	-328.00
Bill Pmt -Check	09/25/2020	11272	PG&E EV Account	EV stations August	-361.09
Bill Pmt -Check	09/25/2020	11273	Ponting, W.	Purchase reimbursement: office supplies	-8.66
Bill Pmt -Check	09/25/2020	11274	Rainbow Self Storage	Storage Unit for CALeVIP	-78.00
Bill Pmt -Check	09/25/2020	11275	SDRMA Dental	October Premium	-1,512.31
Bill Pmt -Check	09/25/2020	11276	SEL Engineering Services, Inc.	Professional Services - Microgrid	-109,255.00
Bill Pmt -Check	09/25/2020	11277	Suddenlink Communications	Phone & Internet access - September	-1,095.28
Bill Pmt -Check	09/25/2020	11278	Verizon Wireless	August tablet/cell service for staff & equipment	-1,519.77
Bill Pmt -Check	09/25/2020	11279	Winzler, John	Office lease - October	-7,442.00
Paycheck	09/25/2020	ACH	Employees	Payroll 9/1-9/15/20	-53,923.64
TOTAL					**-1,199,193.64**

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

	Jul - Sep 20	Budget	% of Budget
Ordinary Income/Expense			
Income			
5 REVENUE EARNED			
5000 · Revenue - government agencies	0.00	737,317.00	0.0%
Total 5100 · Revenue - program related sales	1,871.83	9,000.00	20.8%
Total 5400 · Revenue-nongovernment agencies	126,161.25	1,556,600.00	8.11%
Total 5500 · Revenue - Electricity Sales	13,511,438.31	41,763,500.00	32.35%
Total 5 REVENUE EARNED	13,639,471.39	44,066,417.00	30.95%
Total Income	13,639,471.39	44,066,417.00	30.95%
Gross Profit	13,639,471.39	44,066,417.00	30.95%
Expense			
Total 6 WHOLESALE POWER SUPPLY	10,941,695.51	36,074,000.00	30.33%
Total 7 PERSONNEL EXPENSES	642,438.23	2,838,644.00	22.63%
Total 8.1 FACILITIES AND OPERATIONS	79,232.13	6,606,484.00	1.2%
Total 8.2 COMMUNICATIONS AND OUTREACH	25,576.78	114,000.00	22.44%
8.3 TRAVEL AND MEETINGS	0.00	18,450.00	0.0%
8.4 PROFESSIONAL & PROGRAM SRVS			
8400 · Regulatory	59,468.52	120,000.00	49.56%
8410 · Contracts - Program Related Ser	142,733.75	406,000.00	35.16%
8420 · Accounting	0.00	75,000.00	0.0%
8430 · Legal	33,921.95	125,000.00	27.14%
8450 · Wholesale Services - TEA	154,346.61	620,500.00	24.88%
8460 · Procurement Credit - TEA	162,230.34	650,500.00	24.94%
8470 · Data Management - Calpine	220,366.45	913,450.00	24.13%
Total 8.4 PROFESSIONAL & PROGRAM SRVS	773,067.62	2,910,450.00	26.56%
Total 8.5 PROGRAM EXPENSES	86,006.66	627,550.00	13.71%
Total 8.6 INCENTIVES & REBATES	10,355.17	601,000.00	1.72%
Total 9 NON OPERATING COSTS	13,712.25	35,500.00	38.63%
Total Expense	12,572,084.35	49,826,078.00	25.23%
Net Ordinary Income	1,067,387.04	-5,759,661.00	-18.53%
Other Income/Expense			
Other Income			
9500 · Debt proceeds	0.00	6,000,000.00	0.0%
Total Other Income	0.00	6,000,000.00	0.0%
Net Other Income	0.00	6,000,000.00	0.0%
Net Income	**1,067,387.04**	**240,339.00**	**444.12%**

Redwood Coast Energy Authority
Balance Sheet
As of September 30, 2020

	Sep 30, 20
ASSETS	
Current Assets	
Checking/Savings	
1010 · Petty Cash	493.22
1050 · GRANTS & DONATIONS 3840	15,204.58
1060 · Umpqua Checking Acct 0560	995,221.44
1071 · Umpqua Deposit Cntrol Acct 8215	11,458,492.56
1075 · Umpqua Reserve Account 2300	2,000,000.00
8413 · COUNTY TREASURY 3839	5,065.52
Total Checking/Savings	14,474,477.32
Total Accounts Receivable	69,558.91
Other Current Assets	
1101 · Allowance for Doubtful Accounts	-732,379.25
1103 · Accounts Receivable-Other	5,472,851.09
1120 · Inventory Asset	21,715.00
1202 · Prepaid Expenses	-50,060.44
1210 · Retentions Receivable	1,001.00
1499 · Undeposited Funds	42,380.66
Total Other Current Assets	4,755,508.06
Total Current Assets	19,299,544.29
Total Fixed Assets	151,725.39
Other Assets	
1700 · Retained Deposits	2,095,380.00
Total Other Assets	2,095,380.00
TOTAL ASSETS	**21,546,649.68**
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Total Accounts Payable	3,941,452.08
Total Credit Cards	-3,355.30
Other Current Liabilities	
2013 · Unearned Revenue - PA 2020-2023	1,827,997.00
Total 2100 · Payroll Liabilities	142,585.89
Total Other Current Liabilities	1,970,582.89
Total Current Liabilities	5,908,679.67
Total Liabilities	5,908,679.67
Equity	
2320 · Investment in Capital Assets	151,725.38
3900 · Fund Balance	14,308,458.19
Net Income	1,177,786.44
Total Equity	15,637,970.01
TOTAL LIABILITIES & EQUITY	**21,546,649.68**

REDWOOD COAST EnergyAuthority

STAFF REPORT
Agenda Item # 3.4

AGENDA DATE:	November 19, 2020
TO:	Board of Directors
PREPARED BY:	Mahayla Slackerelli, Account Services Manager
SUBJECT:	CCE Program Rates Update

SUMMARY

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

Accept staff report on adjusted RCEA power generation rates, maintaining the previously approved 1% discount relative to PG&E's generation rates, effective October 15, 2020.

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

REDWOOD COAST EnergyAuthority

For 100% renewable REpower+ add $0.01/KWH

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[1]
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[1]
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

[1]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.

REDWOOD COAST EnergyAuthority

For 100% renewable REpower+ add $0.01/KWH

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[1]
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 ($/KW)	Summer Total	3.91	3.91
		Energy ($/KWH)	Winter Total	0.04649	0.08161
A-10-S-X	A-10-B	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[1]
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[1]
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[1]
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[1]
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[1]
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[1]
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
		Demand ($/KW)	Winter On Peak	1.84	1.84
B-20-P,V	B-20-P	Energy ($/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
		Energy ($/KWH)	Winter Super Off Peak	0.00712	0.03688
		Demand ($/KW)	Winter On Peak	1.82	1.82
B-20-T,V	B-20-T	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
		Energy ($/KWH)	Winter Off Peak	0.03943	0.06704
		Energy ($/KWH)	Winter Super Off Peak	0.00074	0.02835
		Demand ($/KW)	Winter On Peak	2.36	2.36
B-20-S,R	B-20-R-S	Energy ($/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

PG&E Equivalent Rate	RCEA Rate Schedule	Charge Type	Time of Use Period	RCEA Rate Schedule	RCEA Rate plus PG&E Fees[1]
B-20-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[1]
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[1]
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[1]
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-A3-S,P,T	AG-F-A2-S,P,T AG-F-A3-S,P,T	Energy ($/KWH)	Summer Off Peak (all day Wednesdays and Thursdays)	0.08088	0.11132
		Energy ($/KWH)	Winter On Peak	0.07078	0.10122
		Energy ($/KWH)	Winter Off Peak (all day Wednesdays and Thursdays)	0.04459	0.07503
AG-F-B1-S,P,T	AG-F-B1-S,P,T	Energy ($/KWH)	Summer On Peak	0.17931	0.20975
AG-F-B2-S,P,T AG-F-B3-S,P,T	AG-F-B2-S,P,T AG-F-B3-S,P,T	Energy ($/KWH)	Summer Off Peak (all day Wednesdays and Thursdays)	0.09881	0.12925
		Energy ($/KWH)	Winter On Peak	0.08688	0.11732
		Energy ($/KWH)	Winter Off Peak (all day Wednesdays and Thursdays)	0.06069	0.09113
AG-F-C1-S,P,T	AG-F-C1-S,P,T	Energy ($/KWH)	Summer On Peak	0.09177	0.12221
AG-F-C2-S,P,T AG-F-C3-S,P,T	AG-F-C2-S,P,T AG-F-C3-S,P,T	Energy ($/KWH)	Summer Off Peak (all day Wednesdays and Thursdays)	0.06206	0.09250
		Demand ($/KW)	Summer On Peak	12.38	12.38
		Energy ($/KWH)	Winter On Peak	0.07749	0.10793
		Energy ($/KWH)	Winter Off Peak (all day Wednesdays and Thursdays)	0.05130	0.08174

Voltage Discount - 4%

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

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

REDWOOD COAST EnergyAuthority

STAFF REPORT

Agenda Item # 3.5

AGENDA DATE:	November 19, 2020
TO:	Board of Directors
PREPARED BY:	Stephen Kullmann, Director of Demand Side Management
SUBJECT:	Database Development Contract Approval

SUMMARY

The Demand Side Management Department is in need of a new comprehensive database to manage its externally-funded programs as well as its locally-funded programs. Staff have been using two outdated databases for RCEA's Residential and Non-Residential programs, both of which have multiple bugs, work slowly, and no longer have any technical support.

RCEA released a request for qualifications on August 18, 2020, to identify qualified database developers. We received six submissions, four of which were deemed to be qualified. RCEA released a request for proposals on October 16, 2020, to the four pre-qualified vendors. Based on pricing two proposals were short-listed for further evaluation, interviews, and product demonstrations.

After careful consideration, a cross-departmental team selected Aiqueous as the preferred vendor. Aiqueous has developed a similar tool for other California CCA's, including East Bay Community Energy, Monterey Bay Community Power, Marin Clean Energy (MCE) and Peninsula Clean Energy. RCEA received positive references from both Marin Clean Energy and Peninsula Clean Energy. The fact that this will be an "off-the-shelf" solution will minimize RCEA staff time for development, and Aiqueous' experience in the California market insures it will work for our externally-funded programs.

Depending on the different options within the proposals, Aiqueous' overall cost for the initial three-year project period is either lower or comparable to the other short-listed respondent, and Aiqueous' ongoing costs for subsequent years is lower. RCEA anticipates using the database well past the initial three-year period and expanding it to include new programs such as a statewide Rural Regional Energy Network, so the lower ongoing costs make it the more cost-effective solution.

FINANCIAL IMPACTS

The total proposed budget including the onboarding fee, 2.5 years of annual licensing, and 2 years of annual support totals $226,575 through June 2023. A proportional amount of this cost can be paid out of RCEA's CPUC-funded Program Administrator budget. The cost for the initial setup and launch of the new database system in Aqueous' proposal is approximately $113,000, which is below the $150,000 budgeted for database development in the Fiscal Year 2020-21 budget.

RECOMMENDED ACTIONS

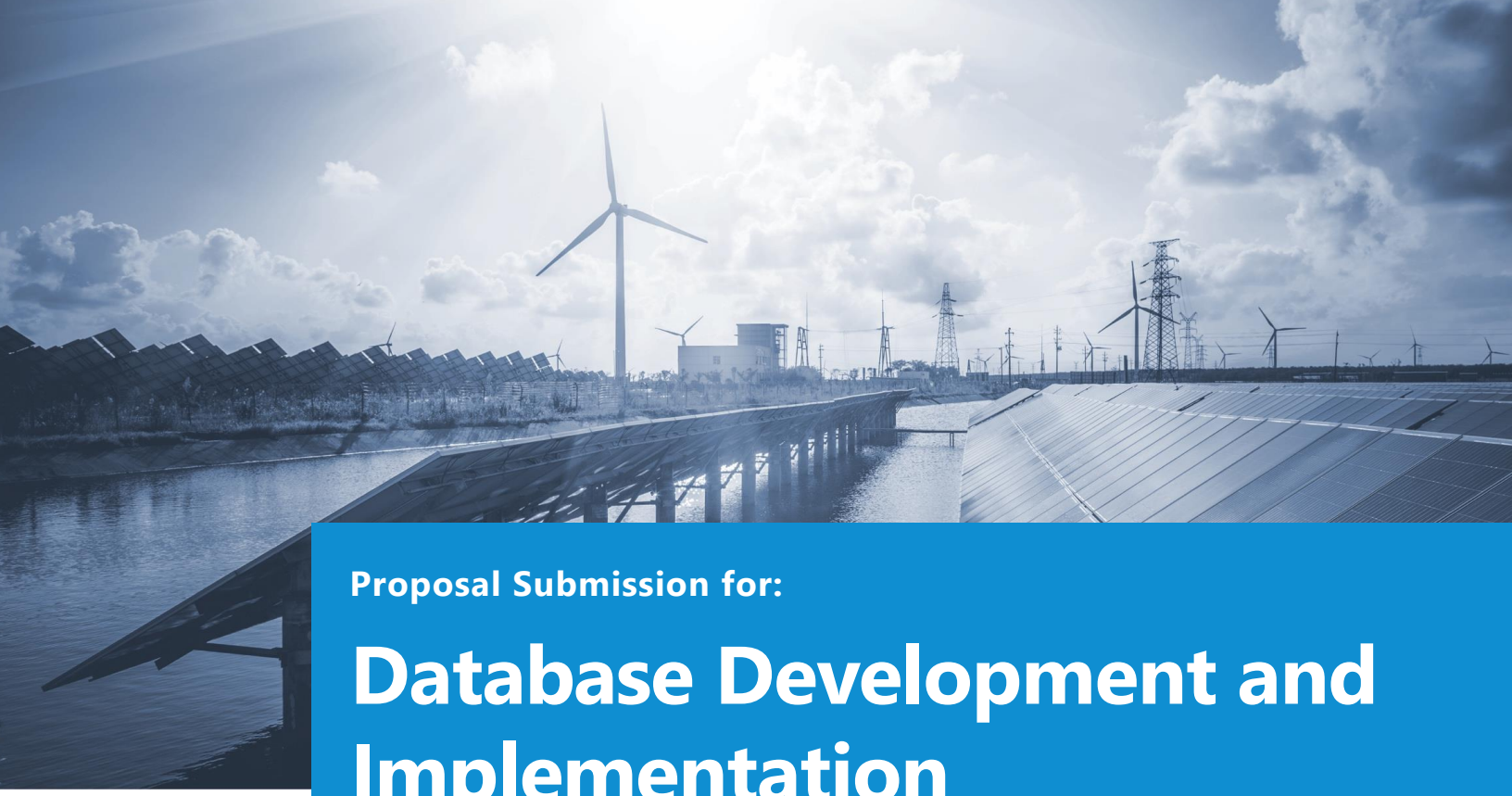
Approve selection of Aiqueous to provide database development and operation services to RCEA for an amount not to exceed $250,000 through June 2023, and authorize the executive director to prepare and execute a professional services agreement with Aiqueous for these services, and all applicable documents, including contract extension provisions.

ATTACHMENTS

Cover Letter and Executive Summary of Aiqueous' response to RCEA's RFQ 20-609

Database Request for Proposals (linked on https://redwoodenergy.org/services/contracting-opportunities/)

Note: This RFP was distributed only to those vendors who pre-qualified under the prior request for qualifications.



Proposal Submission for:

Database Development and Implementation

RFP 20-609

November 6, 2020

Submitted to:

REDWOOD COAST Energy Authority

Redwood Coast Energy Authority
Patricia Terry, Senior Project Manager
pterry@redwoodenergy.org

Prepared by:

AIQUEOUS

AIQUEOUS
Jonathan Kleinman, President
jkleinman@AIQUEOUS.com

1.0 Cover Letter

November 6, 2020

Patricia Terry, Senior Project Manager
Redwood Coast Energy Authority
pterry@redwoodenergy.org

Subject: Database Development and Implementation (RFP 20-609)

Dear Ms. Terry,

Thank you for the opportunity to respond to Redwood Coast Energy Authority's (RCEA) Request for Proposal (RFP) for Database Development and Implementation. The enclosed proposal demonstrates how AIQUEOUS' customer relationship management (CRM) and program management system, called POWERPATH®, will meet RCEA's desired functionality and optimize services you provide to the community. We also provide—as a separate attachment entitled "AIQUEOUS Terms for Standard Consulting Contracts"—a response to the Professional Services Agreement Template included with RCEA's RFP.

The California Community Choice Association's September 9, 2020 press release highlights the importance of building a distributed energy resource (DER) network in each of the Community Choice Aggregator (CCA) territories because of the wildfires in 2020 and grid reliability issues. While this can be accomplished through grid-scale investments, successfully increasing the energy efficiency of RCEA's customer base and deploying customer-sited DERs are certainly part of RCEA's strategy based upon the portfolio described in your Request for Proposal. To achieve these outcomes, your envisioned solution must tie together your marketing, program design, operations and funding processes and systems to cost-effectively engage with your customers and install this DER network.

AIQUEOUS has successfully deployed POWERPATH for CCAs East Bay Community Energy, Marin Clean Energy, Peninsula Clean Energy and Monterey Bay Community Power. With this experience, RCEA can be confident that POWERPATH is tailored to the unique needs of each CCA and will deliver all the functionality RCEA requires. In addition, AIQUEOUS brings energy efficiency program experience for utilities such as Seattle City Light, whose relationship with Bonneville Power Administration closely resembles that of RCEA with Pacific Gas & Electric (PG&E) and California Public Utilities Commission (CPUC).

In addition to our POWERPATH platform, built on Salesforce, AIQUEOUS provides ECOiQ®, our data integration and warehouse solution built on Microsoft Azure. AIQUEOUS has built ECOiQ to automate 4013 data uploads and the integration with third-party implementation contractor data systems. Our established infrastructure, along with AIQUEOUS' proven methodology of implementing critical system elements quickly, will allow RCEA to become familiar with the POWERPATH platform while simultaneously prioritizing your needed capabilities.

Please do not hesitate to reach out with any questions about our solution. We look forward to the opportunity to show you the unique value of POWERPATH through a demo.

Sincerely,

Jonathan Kleinman, President
AIQUEOUS
jkleinman@AIQUEOUS.com

2.0 Executive Summary

Redwood Coast Energy Authority (RCEA) has issued this Request for Proposal (RFP) to solicit proposals from technology vendors to develop and implementation a database solution for RCEA's demand-side management (DSM) programs. RCEA is focused on optimizing services to the community using a single database solution that will:

- Track customer interactions
- Enable data driven marketing
- Manage projects and programs
- Access customer data
- Support reporting

To meet these needs, AIQUEOUS offers a configurable, Salesforce-based solution called POWERPATH®, a fully functional program management and Customer Relationship Management (CRM) platform. With POWERPATH, RCEA will receive a database solution built specifically for your DSM program needs, and that also has the ability to scale and grow with RCEA's programs and the community services you provide as a Community Choice Aggregator (CCA). RCEA will be able to take advantage of both the program management and CRM capabilities of POWERPATH, using our platform to not only capture data about program work but to actually "do" the work.

As a CCA, RCEA has the opportunity to leverage lessons learned by other CCAs in establishing an integrated CRM and program management platform. AIQUEOUS has successfully deployed similar solutions using POWERPATH® for CCAs including East Bay Community Energy, Marin Clean Energy, Peninsula Clean Energy and Monterey Bay Community Power. We have also implemented POWERPATH to manage DSM programs for utilities like Seattle City Light (SCL). For example, SCL manages DSM programs while collaborating with and securing funding from Bonneville Power Administration much like RCEA collaborates with Pacific Gas & Electric (PG&E) and the California Public Utilities Commission (CPUC). SCL uses POWERPATH to support 22 customer programs. It is the single database solution that enables SCL to market and promote its programs using Salesforce.com, integrate with SCL's Oracle Customer Care & Billing and Peoplesoft databases, take monthly imports from third party implementation contractors, support workflows and savings calculations across all programs, and provide monthly reports to Bonneville Power Administration.

We understand RCEA's service territory is unique, with extensive rural areas and a geographically dispersed customer base. Therefore, being able to bring in customer field data to RCEA is significant and optimizing program delivery by geography is critical. AIQEOUS offers a proven implementation process that helps us to identify our clients' specific needs and translate our product to meet those needs. In addition, our experience implementing POWERPATH with other CCAs and utilities means we can implement critical elements quickly and allow RCEA to get familiar with the platform while you reprioritize / re-envision priorities and needed capabilities

RCEA will also benefit from POWERPATH's data engine – ECOiQ® – that is built on Microsoft Azure as well as the automated data uploads we have already built into POWERPATH for CEDARS (CPUC) and 4013 Data (PG&E) reporting.

In conclusion, choosing POWERPATH will give RCEA a database solution that is tailor-made for CCAs while bringing capabilities that other CCAs, utilities and leading energy efficiency organizations use to manage their DSM programs. Plus, AIQUEOUS' deep experience in the energy sector will save RCEA time and money on the implementation effort associated with this project.

REDWOOD COAST EnergyAuthority

STAFF REPORT
Agenda Item # 5.1

AGENDA DATE:	November 19, 2020
TO:	Board of Directors
PREPARED BY:	Richard Engel, Director of Power Resources
SUBJECT:	COVID Load Impact Analysis Report by HSU Consultants

SUMMARY

The Energy Authority (TEA) performs load forecasting for RCEA, informed by data on state and national economic and energy use trends. In this year's unique circumstance where COVID-19 has had enormous impacts on the economy, and thus on energy use, staff wanted to enlist additional help in analyzing how the pandemic might specifically affect local electric demand in Humboldt County. RCEA contracted with two faculty members from Humboldt State University's economics department, Erick Eschker and Will Fisher. Dr. Eschker is Director of the Humboldt Economic Index, while Dr. Fisher has extensive background in natural resources economics.

The HSU economists analyzed historic baseline electric use data and recent data since the beginning of the COVID-19 shutdown provided by RCEA, aggregated by business sector and residential load. They produced a model that can be used to simulate future scenarios where additional pandemic-induced "shocks" may occur, to consider how deeply load might be impacted and how long it would take to recover. TEA will add this model to the toolset they use to perform short- and medium-term forecasting of RCEA's load.

Dr. Fisher and Dr. Eschker will make a brief presentation of their work to the Board.

FINANCIAL IMPACTS

The budget for the professional services agreement under which the work was performed is not to exceed $5,740. Future financial benefits of unknown magnitude are expected due to improved accuracy of forecasts in the event of additional pandemic-related impacts on the local economy.

RECOMMENDED ACTIONS

None – information only

ATTACHMENTS

None

REDWOOD COAST Energy Authority

STAFF REPORT
Agenda Item # 7.1

AGENDA DATE:	November 19, 2020
TO:	Board of Directors
PREPARED BY:	Richard Engel, Director of Power Resources
SUBJECT:	DG Fairhaven Biomass Power Purchase Agreement Expiration

SUMMARY

In the Board's September 24 meeting, staff provided an update on RCEA's biomass power purchase agreement (PPA) with DG Fairhaven Power. The plant remains idle since February of this year due to technical issues that would be costly for the plant owner to resolve. In light of the upcoming December 31 expiration of the PPA, Board members requested at the close of the September meeting a future agenda item to discuss action options.

Staff contacted EWP Renewable Corporation (EWPRC), the plant's owners, and were informed that EWPRC likely does not wish to renew the PPA, citing the challenge of bringing the plant back online, lack of success to date in finding a buyer of the plant, and the currently unfavorable economics of biomass power in comparison with other renewable power sources.

Looking ahead, staff note that the DG Fairhaven facility's greatest assets may be its grid interconnection capacity and its close proximity to multiple industrial projects in the Samoa area currently proposed or under development. These new facilities, including the adjacent Nordic Aquafarms aquaculture plant, will bring significant new electrical load to Samoa that could benefit from a rehabilitated biomass facility or some other energy resource such as energy storage. With the Board's encouragement, staff will be happy to explore options for making good use of this opportunity, be it with EWPRC or a future facility owner. EWPRC CEO Ed Kent stated "We have enjoyed our relationship with RCEA and would consider a different form of PPA in the future if another energy project could be economically developed on the DGF site with its products going to the RCEA for distribution to the community." EWPRC has also put prospective buyers of the facility in contact with RCEA as part of these companies' due diligence in considering purchase of the plant.

One prospective buyer approached RCEA this month to inquire about our interest in continuing to procure resource adequacy (RA) from the facility, through an extension of the existing power purchase agreement with EWPRC and subsequent assignment of the agreement to the new owner, while the plant is updated and/or converted to an alternative technology. Staff will continue discussions with this prospective buyer and EWPRC, and may return to the Board with a PPA extension proposal in December if all parties are interested in such an arrangement.

Regarding impact on RCEA's renewable energy portfolio of losing this biomass resource, the Board has options to consider. As is being discussed separately with the Board in this meeting, RCEA could simply reduce its total renewable energy procurement in excess of state requirements as a means of improving the CCE program's financial outlook for 2021 and beyond. Letting the contract lapse without procuring replacement renewable energy certificates (RECs) would be one means of

achieving this. If the Board chooses to maintain current levels of renewable procurement, the lost RECs can be procured on the market in the short term.

Alternatively, if RCEA wishes to maintain the level of local biomass energy in its portfolio represented by its current contracts, Humboldt Redwood Company has inquired previously about RCEA's interest in procuring additional power through re-start of their idle third generating unit. Also, Redwood Coast Power, LLC, the owners of the Blue Lake biomass plant, again reached out to staff on November 9 reiterating their offer to restart their idle facility and sell power to RCEA.

FINANCIAL IMPACTS

Compared with a hypothetical scenario where the DG Fairhaven PPA is renewed in 2021 and the facility produces its full contract output for the entire year, allowing the PPA to lapse, or alternatively renewing it with the plant remaining idle during the coming year, is expected to result in a savings to RCEA of slightly above $750,000 during 2021 by making up the energy, renewable energy attributes, and RA through market purchases. Savings for succeeding years compared against a scenario of further contract extensions could be greater, depending on market prices at the time.

RECOMMENDED ACTIONS

Provide staff with guidance on whether or how to replace the renewable energy attributes associated with the expiring DG Fairhaven power purchase agreement.

ATTACHMENTS

None

REDWOOD COAST
EnergyAuthority

STAFF REPORT
Agenda Item # 8.1

AGENDA DATE:	November 19, 2020
TO:	Board of Directors
PREPARED BY:	Richard Engel, Director of Power Resources Jocelyn Gwynn, Power Resources Manager
SUBJECT:	2021 Community Choice Energy Program Budget Outlook and Options

SUMMARY

As discussed during the October meeting, several factors are likely to cause financial strain for RCEA's Community Choice Energy (CCE) program next year. While the forecast has improved somewhat since the last meeting, our financial model is still projecting a negative net revenue in 2021 on the order of several million dollars.[1] The two main drivers are 1) a large potential increase in the Power Charge Indifference Adjustment (PCIA) due to previous under-collection by PG&E and 2) an expected decrease in PG&E's generation rates, on which RCEA is currently committed to providing a 1% discount. Both of these drivers will require RCEA to reduce generation rates to maintain competitiveness with PG&E, since the PCIA[2] is accounted for in our rate setting process, causing a drastic decrease in forecasted revenue.

In light of this, staff and The Energy Authority (TEA) are evaluating potential options for improving the 2021 financial outlook and are seeking guidance from the Board on which to pursue. There are two main options:

1. Reducing environmental power procurement targets of renewable and carbon-free energy in order to cut procurement costs
2. Reducing the generation rate discount relative to PG&E rates in order to increase revenues

Using the financial model they maintain for RCEA's CCE program, TEA presented staff with analysis of various permutations of the above options. Staff are presenting the Board with three of those scenarios for consideration as summarized in the table below, plus a base case scenario, which shows our current trajectory.

[1] Staff and The Energy Authority will provide an up-to-date net revenue projection for 2021 as part of the presentation to accompany this staff report at the November Board meeting.

[2] The PCIA is the fee our customers pay PG&E to compensate them for long-term power contracts and generation investments the utility executed on behalf of customers before they departed from PG&E's generation service.

Scenario	Renewable in-state (PCC1)	Renewable out-of-state (PCC2)	Carbon-free large hydro	Total renewable & carbon-free	Generation rate discount
Base case	27%	18%	35%	80%	1%
1	27%	18%	35%	80%	0%
2	27%	9%	0%	36%	1%
3	27%	9%	0%	36%	0.5%

Scenario 1 involves reducing the rate discount to 0% so that RCEA is charging the same rates as PG&E, and would result in a 2021 savings of around $325,000. Scenario 2 involves maintaining the 1% rate discount while reducing our renewable and carbon-free power procurement to the base Renewable Portfolio Standard (RPS) compliance requirement, resulting in a 2021 savings of around $1.6 million. Scenario 3, which is the staff recommendation, reduces environmental procurement targets while maintaining a smaller rate discount, resulting in a 2021 savings of around $1.9 million.

Staff and TEA also evaluated potential savings from procuring some of our required RPS power from unbundled Renewable Energy Certificates (PCC3 RECs)[3], which RCEA has never procured to date and is not common practice among California's Community Choice Aggregators. The incremental savings from such a change are relatively small (about $130,000 in 2021 compared with Scenario 3), and staff do not recommend taking this step.

Also included in the analysis was what would be required to forecast a positive net revenue in calendar year 2021. To achieve this, RCEA would have to charge significantly higher generation rates than PG&E in addition to a minimally RPS-compliant portfolio including PCC3 RECs, which staff is not recommending. RCEA has been building reserves over the past few years precisely for times of financial hardship such as these.

TEA is currently incorporating new information into the model from PG&E's November Electric Resource Recovery Account (ERRA) filing which became available last week. At the Board meeting, staff will present the updated financial forecasts under each of the above scenarios that incorporate the new rate information.

In addition to procurement targets and retail rates, staff are evaluating other discretionary spending that could be scaled back or paused until the near-term financial forecast improves. This includes additional Feed-In Tariff projects beyond those already under contract, the Behind-the-Meter distributed storage program, and other CCE-funded customer programs. Staff will bring any proposed changes to these programs to the Board at subsequent meetings.

FINANCIAL IMPACTS

The staff recommendation to scale back renewable and carbon-free procurement and reduce the generation rate discount relative to PG&E rates would produce a savings of $1.9 million during 2021. The projected annual net revenue and cumulative cash reserves under this scenario are being revised based on the November PG&E Electric Resource Recovery Account update and will be presented at the Board meeting.

[3] Portfolio Content Category 3 RECs are the green attributes that were once tied to renewable energy but have been unbundled from that underlying generation, allowing the holder to apply the renewable attributes to other non-renewable sources. PCC3 is the least valuable product of California's RPS market, and the state allows only 10% of an entity's RPS compliance requirement to come from PCC3 RECs.

RECOMMENDED ACTIONS

Direct staff to reduce procurement of renewable and carbon-free power to as low as minimum compliance levels and reduce the customer rate discount to as little as 0.5% below PG&E rates, with final reduction amounts to be determined once complete 2021 PG&E rate forecasts are available.

ATTACHMENTS

Presentation slides with up-to-date budget analysis, comparison of cost saving options, and staff recommendations will be made available to the Board and public prior to the meeting.

REDWOOD COAST Energy Authority

STAFF REPORT
Agenda Item # 8.2

AGENDA DATE:	November 19, 2020
TO:	Board of Directors
PREPARED BY:	Matthew Marshall, Executive Director Richard Engel, Director of Power Resources
SUBJECT:	Long-Duration Storage Procurement, "Super JPA" Formation, and Creation of Ad Hoc Review Committee

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 situation, 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 last 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 with the other CCAs on the drafting of the JPA agreement and plan to present this topic at the December Board meeting. Participation in this stage of the RFO or choosing to join the JPA does not obligate RCEA to any procurement decision. The attached fact sheet includes more information on the planned joint procurement.

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

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

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 of up three Board members to serve on this committee until December 31, 2021, or until all contracts to which RCEA is a party resulting from the associated joint request for offers are executed, whichever comes first.

ATTACHMENTS

Long-Duration Storage Fact Sheet

LONG DURATION STORAGE

Joint Procurement with Eight Community Choice Aggregators

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

What is Long-Duration Storage?

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

Example LDS Technologies

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

Why Long-Duration Storage?

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

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

How does Long-Duration Storage help meet state goals?

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

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

Media

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

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

About Community Choice Aggregators

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

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

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