



Redwood Coast Energy Authority
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BOARD OF DIRECTORS MEETING AGENDA

Humboldt Bay Municipal Water District Office
828 7th Street, Eureka, CA 95501

September 17, 2018
Monday, 3:15 p.m.

In compliance with the Americans with Disabilities Act, if you need assistance to participate in this meeting, please contact the Clerk of the Board at the phone number, email or physical address listed above at least 72 hours in advance.

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 in the agenda binder located in the RCEA lobby during normal business hours, and at www.redwoodenergy.org.

PLEASE NOTE: Speakers wishing to distribute materials to the Board at the meeting are asked to provide 12 copies to the Clerk of the Board.

OPEN SESSION Call to Order by Acting Executive Director

1. ROLL CALL

2. ELECT CHAIR PRO TEM

3. REPORTS FROM MEMBER ENTITIES

4. 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 and written 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.

5. CONSENT CALENDAR

All matters on the Consent Calendar are considered to be routine by the Board and are enacted on 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.

5.1 Approve Minutes of August 20, 2018, Board Meeting.

5.2 Approve Disbursements Report.

5.3 Accept Financial Reports.

6. REMOVED FROM CONSENT CALENDAR ITEMS

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

7. OLD BUSINESS – None.

8. NEW BUSINESS

- 8.1** Presentation by Terra-Gen on the Humboldt Wind Project on Monument Ridge.
(Information only)

9. COMMUNITY CHOICE ENERGY (CCE) BUSINESS – None.

10. STAFF REPORTS

- 10.1** Report by Operations Director Dana Boudreau (Information only)

- Public Agency Fleet Manager Conference Scholarship

11. ADJOURNMENT

NEXT REGULAR MEETING

Monday, October 15, 2018, 3:15 p.m.
Humboldt Bay Municipal Water District Office
828 7th Street, Eureka, CA 95501



DRAFT BOARD OF DIRECTORS MEETING MINUTES

**Humboldt Bay Municipal Water District Office
828 7th Street, Eureka, CA 95501**

**August 20, 2018
Monday, 3:15 p.m.**

A regular meeting of the Board of Directors of the Redwood Coast Energy Authority was held on the above date at 3:15 p.m. with Chair Sheri Woo presiding. Notice of this meeting was posted on August 17, 2018. PRESENT: Austin Allison, Estelle Fennell (arrived at 3:22 p.m.), Dwight Miller, Bobbi Ricca, Michael Sweeney, Frank Wilson, Vice-Chair Michael Winkler, Chair Sheri Woo. ABSENT: Dean Glaser. STAFF PRESENT: Business Development and Planning Director Lori Biondini, Operations Director Dana Boudreau, General Counsel Nancy Diamond, Power Resources Director Richard Engel, Contracts and Grants Administrative Specialist Alexis Fischer, Demand-Side Management Director Lou Jacobson, Executive Director Matthew Marshall, Community Strategies Manager Nancy Stephenson, Clerk of the Board Lori Taketa.

REPORTS FROM MEMBER ENTITIES

Director Miller reported that eight candidates are running for three seats on the Trinidad City Council.

Vice Chair Winkler reported that the Arcata City Council's next agenda contains a reach code, or a new construction code requiring performance exceeding State Energy Code requirements.

ORAL COMMUNICATIONS

Chair Woo invited public comment. No one came forward to speak. Chair Woo closed public comment.

CONSENT CALENDAR

3.1 Approve Minutes of:

3.1.1 July 16, 2018, Board Regular Meeting.

3.1.2 July 23, 2018, Board Special Meeting.

3.2 Approve Disbursements Reports.

3.3 Approve Resolution 2018-7 Amending the Redwood Coast Energy Authority Conflict of Interest Code and Authorize Submittal to Humboldt County Board of Supervisors for Review.

Chair Woo invited public comment. No one came forward to speak. Chair Woo closed public comment.

M/S: Winkler, Allison: Approve consent calendar items.

The motion passed on a unanimous voice vote. Ayes: Allison, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Fennell, Glaser. Abstentions: None.

OLD BUSINESS - Offshore Wind Energy Development Project

Executive Director Marshall reported that negotiations with project partners are near completion and that the Board Offshore Wind Subcommittee will examine the final cooperation agreement prior to signing. General Counsel Diamond stated that the remaining details under consideration affect RCEA's project partners and not RCEA. Mr. Marshall stated that any substantive changes to the agreement summarized in the staff report would be brought back before the full Board. Counsel Diamond presented a summary of the cooperation agreement's terms through lease acquisition and site control and stated additional agreements will be required for future project phases. The scope of work and timelines for project phases were described, as was the need for the Board Offshore Wind Subcommittee to help determine how a public agency can interact with a for-profit company. Chair Woo, Vice-Chair Winkler, and Directors Allison and Fennell's membership in the Board Offshore Wind Subcommittee was confirmed.

Director Fennell arrived at 3:22 p.m.

The project's goal of working within the existing power grid infrastructure and not making transmission upgrades to connect to the Central Valley was described, as was the expectation that the project's California Independent Systems Operator (CAISO) grid interconnection study results will indicate upgrades necessary for this project.

The agreement's exclusivity provisions were clarified as being time-limited and not exclusive of partnerships with other parties that would assist this offshore wind project.

There was discussion about how a system to compensate affected parties for damaged equipment or loss of fishing areas should be created that is timely, well-vetted, and not limited to one-time compensation.

Executive Director Marshall remarked that General Counsel Diamond collaborated with attorneys for the international power companies, all of whom were very complimentary of her work. The Board commended both Counsel Diamond and Executive Director Marshall for their efforts on the agreement.

Chair Woo invited public comment.

Jim Zoellick of the Schatz Energy Research Center who was speaking as a member of the public stated he was supportive and excited about the project and impressed with the work team.

Chair Woo closed public comment.

M/S: Sweeney, Fennell: Approve Offshore Wind Energy Development Cooperation Agreement with EDPR Offshore North America, Principle Power, and Aker Solutions, and authorize the Executive Director to execute the agreement and any other associated documents as necessary, contingent on final review and approval by RCEA Legal Counsel and the Board Offshore Wind Project Phase 1 Subcommittee.

The motion passed on a unanimous voice vote. Ayes: Allison, Fennell, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Glaser. Abstentions: None.

Executive Director Marshall reported that the Humboldt Fishermen's Marketing Association-requested memorandum of understanding is near completion, that agreements with other commercial fishing groups may be brought to the Board for consideration in the future, and that HFMA will open meeting their meetings regarding the offshore wind project to other fishermen.

Chair Woo invited public comment. Member of the public Beverly Chang inquired whether offshore wind operations would limit vessel maneuverability while entering or exiting Humboldt Bay. Chair Woo closed public comment.

It was stated that the increase in ship traffic should not substantially impact harbor users as equipment would be towed out to sea at the project's start and then occasionally towed in for maintenance. The transmission cable would be buried under the south or north jetty and would not go through the channel or limit vessel maneuverability. Studies on design to minimize fishing industry and wildlife impacts would commence after a Bureau of Ocean Energy Management offshore site lease is secured.

M/S: Allison, Fennell: Approve a Memorandum of Understanding between the Humboldt Fishermen's Marketing Association and RCEA, and authorize the Executive Director to execute the agreement contingent on final review and approval by RCEA Legal Counsel and the Board Offshore Wind Project Phase 1 Subcommittee.

The motion passed on a unanimous voice vote. Ayes: Allison, Fennell, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Glaser. Abstentions: None.

NEW BUSINESS

Director of Business Development and Planning Biondini reported that RCEA hosted two CivicSpark Fellows during fiscal year 2017-18 and proposes hosting another one this year. North Coast Regional CivicSpark Coordinator Lexie Fischer stated that this year's fellows, Luis Silva and Tija Putelis went on to prestigious jobs at Tesla's Gigafactory in Reno, Nevada, and Avant Grid, a renewable energy company in Portland, Oregon, respectively.

Chair Woo invited public comment. No one came forward to speak. Chair Woo closed public comment.

M/S: Winkler, Allison: Approve 2018-2019 CivicSpark Program service agreement for \$25,500 with the Local Government Commission and authorize the executive director to execute the agreement and any other documents as necessary.

The motion passed on a unanimous voice vote. Ayes: Allison, Fennell, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Glaser. Abstentions: None.

Power Resources Director Engel reported that more recent Community Choice Aggregation customers of Calpine, RCEA's retail services contractor, pay a lower per customer meter cost and Executive Director Marshall negotiated a lower service fee beginning retroactively on July 1. The \$0.27/meter/month reduction will save RCEA about \$200,000 each year.

Chair Woo invited public comment. Member of the public Beverly Chang inquired whether a local entity could provide services Calpine provides, thereby creating more local jobs. Chair Woo closed public comment.

There was discussion of how RCEA staff considered local vendors to perform aspects of Community Choice Energy program implementation prior to launch and found that there was no local company with the capacity to perform the necessary data analysis, but that it was possible to bring the customer support work back to the region in time.

M/S: Fennell, Winkler: Approve Amendment No. 1 to Professional Services Agreement between Calpine Energy Solutions, LLC ("DM Services Provider") and Redwood Coast Energy Authority ("RCEA").

The motion passed on a unanimous voice vote. Ayes: Allison, Fennell, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Glaser. Abstentions: None.

Executive Director Marshall presented a preliminary end-of-fiscal-year financial report, stated that the Board Finance Subcommittee would meet to review the audit and budget, and proposed a quarterly financial update for the Board. Power sales and wholesale power costs were lower than forecast, he reported, due to lower than expected power consumption. Some totals, Mr. Marshall stated, will be adjusted, such as RCEA's contribution to the CalCCA PCIA Regulatory Fund and payments to public power counsel Braun Blaising Smith Wynne for additional regulatory work. Costs for DG Fairhaven power procurement were below anticipated due to periods of inactivity and maintenance, he reported.

Chair Woo invited public comment.

Member of the public and Humboldt Citizens for Clean Energy representative Ellen Golla asked for a way to compare non-biomass and biomass energy costs and inquired how much of a ratepayer's bill comes from biomass electricity production.

Chair Woo closed public comment.

Executive Director Marshall stated a prior presentation made to the Board detailing what percentage of a ratepayer's bill was spent on different types of renewable energy in 2017 and projected 2018 costs would be forthcoming to Ms. Golla and the Board.

M/S: Wilson, Sweeney: Accept Financial Report.

The motion passed on a unanimous voice vote. Ayes: Allison, Fennell, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Glaser. Abstentions: None.

COMMUNITY CHOICE ENERGY (CCE) BUSINESS

Chair Woo determined a CCE quorum was present.

NEW CCE BUSINESS - Community Choice Energy-Funded Customer Programs

Demand Side Management Director Jacobson presented three staff-generated CCE-funded customer programs that incorporate the Community Advisory Committee's (CAC) suggestions to emphasize equitability, electrification, and PG&E program gap filling. Staff Director Jacobson described the proposed residential energy services, RCEA rebate catalog and electric vehicle fast charging cluster match funding programs.

It was clarified that while Redwood Community Action Agency provides low-income weatherization and heating assistance services and GRID Alternatives (Energy for All) provides low-income solarization services, RCEA is the sole local agency working with rebates. Staff Director Jacobson stated that initial rebate amounts were intended to close the cost gap between less and more efficient technologies. Staff clarified that programs could be discontinued if agency contingency fund savings goals are not met.

Chair Woo invited public comment. Member of the public Shaun Ellsworth, owner of general contracting company Comfortable Efficiency, stated that he has seen the advantage of encouraging efficient technology adoption through rebates since he began participating with the Energy Upgrade program in 2014. Mr. Ellsworth stated that he fully supports this program which allowed him to educate contractors and the public about energy efficiency while growing his small business to five full-time employees. Chair Woo closed public comment.

M/S: Fennell, Austin: Approve staff-identified list of CCE-funded customer programs and budgets.

The motion passed on a unanimous voice vote. Ayes: Allison, Fennell, Miller, Ricca, Sweeney, Wilson, Winkler, Woo. Noes: None. Absent: Glaser. Abstentions: None.

END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

STAFF REPORTS

- Terra Gen wind project

Executive Director Marshall reported that Terra Gen is conducting formal environmental review scoping meetings for their Bear River/Monument Ridge wind project. The company asked to make a presentation to the Board at a future meeting.

Members of the public Carol Hoopes of Monument Mountain Vineyards and Carol Chang, landowner, stated that the proposed 650-foot Terra Gen windmills' location would seriously impact the area's aesthetics and inquired about RCEA's role in approving the Terra Gen project. Ms. Hoopes shared an artist's rendering of Terra Gen's proposed windmill siting. Ms.

Chang stated that Rio Dell would have animal problems as windmill sounds and vibrations would scare animals down the mountain. It was clarified that the County Planning Department, and not RCEA, has approval authority for Terra Gen's project.

Terra Gen's public meetings were discussed and the Board encouraged the public to participate in scoping workshops as the process aids in planning project mitigation. It was clarified that environmental impact scoping hearings are legally required to gather public comment and are not structured to answer questions.

Upon inquiry whether Terra Gen's electricity production and RCEA's offshore wind production would create congestion on the electrical grid, Executive Director Marshall responded that Terra Gen's project would not have unrestricted grid access rights, that unrestricted electricity delivery requires costly grid upgrades, and that RCEA's offshore wind project has the option to use either of the aforementioned tiers of grid connectivity or to negotiate with PG&E to share grid access at the Humboldt Bay Power Plant's substation. Mr. Marshall stated that residential solar customers would not be impacted by either project's energy production.

There was interest in discussing offsets for people negatively affected by renewable energy projects at a future meeting. It was also requested that letter writing in support or opposition of projects over which RCEA lacks decision-making authority be discussed at a future meeting.

- Airport Solar Microgrid Project USDA Rural Utilities Service Loan

Executive Director Marshall stated that the project is officially under way. Jim Zoellick of the Schatz Energy Research Center reported that project grant funder California Energy Commission (CEC) sent two representatives to Humboldt County for the project kick-off meeting, which would usually have been held in Sacramento. This level of CEC interest is unusual, Mr. Zoellick stated, and the representatives were very impressed with the region's technical capabilities, community partnerships, and commitment levels. Project agreements and a loan application approval will be on future Board agendas, Executive Director Marshall stated.

DATES OF FUTURE MEETINGS

There was discussion about the Bureau of Ocean Energy Management's California Intergovernmental Offshore Renewable Energy Task Force meeting in Sacramento on September 17, 2018, which coincides with the Board's next regular meeting. It was agreed that all directors interested in attending the BOEM meeting should notify staff, who will arrange for alternate representatives to attend the RCEA meeting.

ADJOURNMENT

Chair Woo adjourned the meeting at 5:12 p.m.

Respectfully Submitted,

Lori Taketa
Clerk of the Board

Redwood Coast Energy Authority

Disbursements Report

As of July 31, 2018

					Accrual Basis
Type	Date	Num	Name	Memo	Amount
Check	07/01/2018	7997	CoPower	Premium	0.00
Liability Check	07/05/2018	E-pay	EDD	499-0864-3 QB Tracking # -661441082	-3,959.49
Liability Check	07/05/2018	E-pay	EDD	499-0864-3 QB Tracking # -661390082	-73.82
Liability Check	07/05/2018	E-pay	Internal Revenue Service	74-3104616 QB Tracking # -661334082	-20,018.18
Bill Pmt -Check	07/06/2018		NEM Customers	NEM yearly cash out	-3,282.87
Check	07/06/2018	8559	EUC Assessment:Pederson, Pete	EUC Assessment	-500.00
Bill Pmt -Check	07/06/2018	8560	ABC Office Equipment	June print charges/service contract.	-292.85
Bill Pmt -Check	07/06/2018	8561	AM Conservation	LED Stock	-340.96
Bill Pmt -Check	07/06/2018	8562	Bicoastal Media, LLC	Community Outreach Advertising	-495.00
Bill Pmt -Check	07/06/2018	8563	Biondini, L.	Travel: Business Network for Offshore Wind worksh	-66.57
Bill Pmt -Check	07/06/2018	8564	Bishop, M.	Travel reimbursement	-85.56
Bill Pmt -Check	07/06/2018	8565	Bithell, M.	Travel reimbursement	-40.56
Bill Pmt -Check	07/06/2018	8566	Boudreau, D.	June purchase reimbursement - facilities	-53.98
Bill Pmt -Check	07/06/2018	8567	Burks, K.	June mileage	-85.28
Bill Pmt -Check	07/06/2018	8568	Campbell, A.	Travel reimbursement	-609.53
Bill Pmt -Check	07/06/2018	8569	Chapman, R.	June mileage reimbursement	-79.52
Bill Pmt -Check	07/06/2018	8570	Cissna, A.	Travel reimbursement	-41.37
Bill Pmt -Check	07/06/2018	8571	City of Arcata	Utility user taxes	-10,951.55
Bill Pmt -Check	07/06/2018	8572	City of Blue Lake	June Utility User Tax	-720.35
Bill Pmt -Check	07/06/2018	8573	City of Eureka-Water	Water service, 05/25/18-06/25/18	-174.20
Bill Pmt -Check	07/06/2018	8574	David L. Moonie & Co., LLP	Contract fee- audit for 16/17	-17,500.00
Bill Pmt -Check	07/06/2018	8575	Developed Employment Services, LLC.	Facilities maintenance work	-357.00
Bill Pmt -Check	07/06/2018	8576	Halvorsen, N.	June travel reimbursement: CSDA training	-153.11
Bill Pmt -Check	07/06/2018	8577	Headwaters Fund - Interest	RCEA loan June 2018 Interest 3846000 800190	-50,000.00
Bill Pmt -Check	07/06/2018	8578	Hilson, D.	June mileage reimbursement	-97.45
Bill Pmt -Check	07/06/2018	8579	Horizon Fuell Cell Americas, Inc.	Wind to Hydrogen Kit	-613.97
Bill Pmt -Check	07/06/2018	8580	Ichien, D.	June mileage reimbursement	-22.67
Bill Pmt -Check	07/06/2018	8581	Kenny, H.	June mileage reimbursement	-71.94
Bill Pmt -Check	07/06/2018	8582	Marshall, M.	June travel reimbursements: Offshore Wind/SEEC	-182.38
Bill Pmt -Check	07/06/2018	8610	Winzler, John	Office Lease - July	-225.00

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	07/09/2018	8583	Means, M.	June mileage	-50.19
Bill Pmt -Check	07/09/2018	8584	Mike's Drive-Up	Mike's Drive Up self-install rebate/Audit 4829.	-485.12
Bill Pmt -Check	07/09/2018	8585	Mission Uniform & Linen	Janitorial and mat cleaning	-64.00
Bill Pmt -Check	07/09/2018	8586	North Coast Cleaning	June Cleaning Service	-402.00
Bill Pmt -Check	07/09/2018	8587	NYLEX.net, Inc.	Onsite network support services - May	-3,200.00
Bill Pmt -Check	07/09/2018	8588	PG&E EV Account	EV stations April	-368.41
Bill Pmt -Check	07/09/2018	8589	PG&E Utility Account	May utilities/lighting upgrade financing	-787.85
Bill Pmt -Check	07/09/2018	8590	Pierson's Home Ctr	Packing tape - sending boxes	-34.55
Bill Pmt -Check	07/09/2018	8591	Pitney Bowes-Rental	June postage meter rental	-21.69
Bill Pmt -Check	07/09/2018	8592	Platt/Rexel	Bulb purchases	-10,271.81
Bill Pmt -Check	07/09/2018	8593	Ponting, W.	June mileage reimbursement	-177.94
Bill Pmt -Check	07/09/2018	8594	Scraper's Edge	Wide format printing & lamination	-32.07
Bill Pmt -Check	07/09/2018	8595	SDRMA P&L	2018-19 P&L Premium	-32,687.31
Bill Pmt -Check	07/09/2018	8596	SDRMA WC	Final Audited Premium FY 2017-18	-14,176.62
Bill Pmt -Check	07/09/2018	8597	Slackerelli, M.	Travel reimbursement: EUCI training, Chicago	-851.69
Bill Pmt -Check	07/09/2018	8598	Suddenlink Communications	Internet access	-1,409.69
Bill Pmt -Check	07/09/2018	8599	Terry, P.	June travel reimbursement: SEEC	-81.95
Bill Pmt -Check	07/09/2018	8600	Times Printing Company	Printing services	-21,789.76
Bill Pmt -Check	07/09/2018	8601	Winzler, John	Office Lease - July	-4,100.00
Liability Check	07/09/2018	8602	CA State Disbursement Unit		-127.00
Liability Check	07/09/2018	8603	Umpqua Bank	74-3104616	-558.36
Liability Check	07/09/2018	8604	Calvert	74-3104616	-11,876.17
Paycheck	07/10/2018	8558	Payroll	Payroll 6/1 - 6/15/2018	-52,216.80
Bill Pmt -Check	07/13/2018		NEM Customers	Net Energy Metering Yearly Cash Out	-594.89
Bill Pmt -Check	07/13/2018	8609	Sonoma County Office of Education	June 2018 Professional Services.	-175.00
Bill Pmt -Check	07/13/2018	8611	American Public Power Association	Registration: Patrick Owen, Key Accounts Certificat	-1,880.00
Bill Pmt -Check	07/13/2018	8612	Diamond, Nancy	June legal services	-5,252.30
Bill Pmt -Check	07/13/2018	8613	HWMA	CFL disposal	-1,065.00
Bill Pmt -Check	07/13/2018	8614	Mattio, B.	B. Mattio: SEEC Conference travel reimbursement.	-10.01
Bill Pmt -Check	07/13/2018	8615	McMahon, J.	June mileage reimbursement	-353.53
Bill Pmt -Check	07/13/2018	8616	North Coast Cleaning	Carpet Cleaning Service	-1,155.00
Bill Pmt -Check	07/13/2018	8617	NYLEX.net, Inc.	Onsite network support services - August	-3,200.00
Bill Pmt -Check	07/13/2018	8618	Owen, P.	P. Owen travel reimbursement.	-209.82

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	07/13/2018	8619	Recology	June garbage service	-86.68
Bill Pmt -Check	07/13/2018	8620	SDRMA Dental	July Premium	-1,354.84
Bill Pmt -Check	07/13/2018	8621	SDRMA Medical	July Premium	-21,201.72
Bill Pmt -Check	07/13/2018	8622	Slackerelli, M.	June travel reimbursement	-71.20
Bill Pmt -Check	07/13/2018	8623	Stephenson, N.	June mileage reimbursement	-71.69
Bill Pmt -Check	07/13/2018	8624	Times Printing Company	Move in mailers	-856.13
Bill Pmt -Check	07/13/2018	8625	Verizon Wireless	June tablet/cell service for field staff/mobile broadba	-229.70
Liability Check	07/16/2018	E-pay	EDD	499-0864-3 QB Tracking # 387840918	-3,860.51
Liability Check	07/16/2018	E-pay	Internal Revenue Service	74-3104616 QB Tracking # 387913918	-19,503.20
Liability Check	07/16/2018	E-pay	EDD	499-0864-3 QB Tracking # 387977918	-55.00
Paycheck	07/25/2018		Payroll	Payroll 6/16-30/18	-54,414.02
Liability Check	07/26/2018	E-pay	EDD	499-0864-3 QB Tracking # -1031828182	-3,864.61
Liability Check	07/26/2018	E-pay	Internal Revenue Service	74-3104616 QB Tracking # -1031760182	-19,917.12
Liability Check	07/26/2018	E-pay	EDD	499-0864-3 QB Tracking # -1031335182	-108.38
Liability Check	07/26/2018	E-pay	Internal Revenue Service	74-3104616 QB Tracking # -1031273182	-108.85
Liability Check	07/26/2018	8651	CA State Disbursement Unit		-127.00
Liability Check	07/26/2018	8652	Umpqua Bank	74-3104616	-558.36
Liability Check	07/26/2018	8653	Calvert	74-3104616	-11,617.23
Bill Pmt -Check	07/27/2018	8627	ABC Office Equipment	Repairs to copier	-426.75
Bill Pmt -Check	07/27/2018	8628	Central Office	Miscellaneous copy services	-486.00
Bill Pmt -Check	07/27/2018	8629	FedEx	Shipping keys	-7.85
Bill Pmt -Check	07/27/2018	8630	Headwaters Fund - Interest	RCEA loan July 2018 Interest 3846000 800190	-50,000.00
Bill Pmt -Check	07/27/2018	8631	Library World	Annual subscription renewal to 8/1/2019	-439.00
Bill Pmt -Check	07/27/2018	8632	Mission Uniform & Linen	July janitorial supplies	-82.26
Bill Pmt -Check	07/27/2018	8633	Petty Cash	Ptty cash reconciliation	-295.46
Bill Pmt -Check	07/27/2018	8634	PG&E CCA	June CCE Charges	-21,852.67
Bill Pmt -Check	07/27/2018	8635	Platt/Rexel	PO #1246 Bulbs	-4,342.17
Bill Pmt -Check	07/27/2018	8636	Ramone's	Catering invoices	-377.12
Bill Pmt -Check	07/27/2018	8637	Scrappier's Edge	Miscellaneous printing services	-84.13
Bill Pmt -Check	07/27/2018	8638	SDRMA Dental	August Premium	-1,354.81
Bill Pmt -Check	07/27/2018	8639	Times Printing Company	Move in mailers	-775.00
Bill Pmt -Check	07/27/2018	8640	Visual Concepts	Stickers	-105.00
Bill Pmt -Check	07/27/2018	8641	WCP Solutions	Office Supplies: Copy Paper.	-699.83

Type	Date	Num	Name	Memo	Amount
Bill Pmt -Check	07/27/2018	8642	Winzler, John	Office Lease - August	-4,350.00
Bill Pmt -Check	07/27/2018	8643	Arcata Technology Center	Site Host Reimbursement 04/01/18-06/30/18	-465.78
Bill Pmt -Check	07/27/2018	8644	Blue Lake Rancheria	Site Host Reimbursement 04/01/18-06/30/18	-295.47
Bill Pmt -Check	07/27/2018	8645	City of Arcata	Site Host Reimbursement 04/01/18-06/30/18	-553.27
Bill Pmt -Check	07/27/2018	8646	City of Blue Lake	Site Host Reimbursement 04/01/18-06/30/18	-15.79
Bill Pmt -Check	07/27/2018	8647	City of Trinidad	Site Host Reimbursement 04/01/18-06/30/18	-124.24
Bill Pmt -Check	07/27/2018	8648	GHD	Site Host Reimbursement 04/01/18-06/30/18	-289.58
Bill Pmt -Check	07/27/2018	8649	North Coast Unified Air Quality	Site Host Reimbursement 04/01/18-06/30/18	-211.76
Bill Pmt -Check	07/27/2018	8650	St. Joseph Hospital	Site Host Reimbursement 04/01/18-06/30/18	-492.30
Bill Pmt -Check	07/30/2018	8654	Feit Electric	LED Stock - PO#1236	-1,281.09
TOTAL					<u>-508,175.26</u>

Redwood Coast Energy Authority
Balance Sheet
As of July 31, 2018

	<u>Jul 31, 18</u>
ASSETS	
Current Assets	
Checking/Savings	
1000 - COUNTY TREASURY 3839	5,065.52
1010 - Petty Cash	414.35
1050 - GRANTS & DONATIONS 3840	15,204.58
1060 - Umpqua Checking-9271	340,765.44
1070 - Umpqua Deposit Cntrl Acct 1687	534,278.37
1075 - Umpqua Reserve Account 2300	2,500,000.00
Total Checking/Savings	<u>3,395,728.26</u>
Total Accounts Receivable	186,503.89
Other Current Assets	
1101 - Allowance for Doubtful Accounts	-171,323.54
1103 - Accounts Receivable-Other	7,758,398.52
1120 - Inventory Asset	21,715.00
1202 - Prepaid Expenses	-16,236.45
Total 1210 - Retentions Receivable	37,118.36
1499 - Undeposited Funds	37,879.80
Total Other Current Assets	<u>7,667,551.69</u>
Total Current Assets	11,249,783.84
Total Fixed Assets	151,725.39
Total Other Assets	4,100.00
TOTAL ASSETS	<u><u>11,405,609.23</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Total Accounts Payable	185,662.26
Total Credit Cards	661.87
Other Current Liabilities	
2001 - Accounts Payable-Other	3,564,578.22
Total 2100 - Payroll Liabilities	122,693.73
Total 2210 - Retentions Payable	3,051.78
Total Other Current Liabilities	<u>3,690,323.73</u>
Total Current Liabilities	3,876,647.86
Total Long Term Liabilities	797,446.65
Total Liabilities	4,674,094.51
Total Equity	4,811,558.48
TOTAL LIABILITIES & EQUITY	<u><u>9,485,652.99</u></u>

Redwood Coast Energy Authority
Profit & Loss Budget vs. Actual
July 2018

	Jul 18	Budget	% of Budget
Ordinary Income/Expense			
Income			
5 REVENUE EARNED			
5000 - Revenue - government agencies	0.00	111,600.00	0.0%
5100 - Revenue - program related sales	0.00	18,000.00	0.0%
Total 5400 - Revenue-nongovernment agencies	31,009.72	1,210,000.00	2.56%
5500 - Revenue - Electricity Sales			
Total 5510 - Electricity Sales	4,235,338.16	51,940,000.00	8.15%
5580 - Uncollectable Accounts	-12,411.59	-160,000.00	7.76%
Total 5500 - Revenue - Electricity Sales	4,222,926.57	51,780,000.00	8.16%
Total 5 REVENUE EARNED	4,253,936.29	53,119,600.00	8.01%
Total Income	4,253,936.29	53,119,600.00	8.01%
Gross Profit	4,253,936.29	53,119,600.00	8.01%
Expense			
Total 6 WHOLESALE POWER SUPPLY	3,380,308.42	39,880,000.00	8.48%
Total 7 PERSONNEL EXPENSES	190,100.07	2,253,700.00	8.44%
Total 8.1 FACILITIES AND OPERATIONS	19,134.91	211,400.00	9.05%
Total 8.2 COMMUNICATIONS AND OUTREACH	5,602.55	108,200.00	5.18%
Total 8.3 TRAVEL AND MEETINGS	3,006.48	48,000.00	6.26%
8.4 PROFESSIONAL & PROGRAM SRVS			
8400 - Regulatory	0.00	94,600.00	0.0%
8410 - Contracts - Program Related Ser	4,636.36	427,200.00	1.09%
8420 - Accounting	0.00	55,000.00	0.0%
8430 - Legal	17,692.75	85,000.00	20.82%
8450 - Wholesale Services - TEA	48,495.49	585,000.00	8.29%
8460 - Procurement Credit - TEA	63,959.58	800,000.00	8.0%
8470 - Data Management - Calpine	90,424.18	1,100,000.00	8.22%
Total 8.4 PROFESSIONAL & PROGRAM SRVS	225,208.36	3,146,800.00	7.16%
Total 8.5 PROGRAM EXPENSES	54,602.27	1,268,000.00	4.31%
Total 8.6 INCENTIVES & REBATES	28,241.20	460,000.00	6.14%
Total 9 NON OPERATING COSTS	51,739.64	565,800.00	9.15%
Total Expense	3,957,943.90	47,941,900.00	8.26%
Net Ordinary Income	295,992.39	5,177,700.00	5.72%
Reserve Contributions	0.00	3,000,000.00	0.0%
Net Income	295,992.39	2,177,700.00	13.59%



REDWOOD COAST EnergyAuthority

STAFF REPORT Agenda Item # 8.1

AGENDA DATE:	May 21, 2018
TO:	Board of Directors
PREPARED BY:	Richard Engel, Director of Power Resources
SUBJECT:	Presentation by Terra-Gen

SUMMARY

Representatives from Terra-Gen will provide an informational presentation on their proposed onshore wind project on Monument Ridge and Bear River Ridge.

Information about the project is available on the County of Humboldt Website at:
<https://humboldt.gov.org/2408/Humboldt-Wind-Energy-Project>

Information about Terra-Gen is available on their website at:
<http://www.terra-gen.com/>

RECOMMENDED ACTION

N/A – information only.

Materials Submitted

After Agenda

Publication



Humboldt Wind Overview

September 17, 2018

Confidential



Terra-Gen Overview

Terra-Gen has a robust development pipeline and operates a diverse fleet of projects through a best-in-class O&M platform.

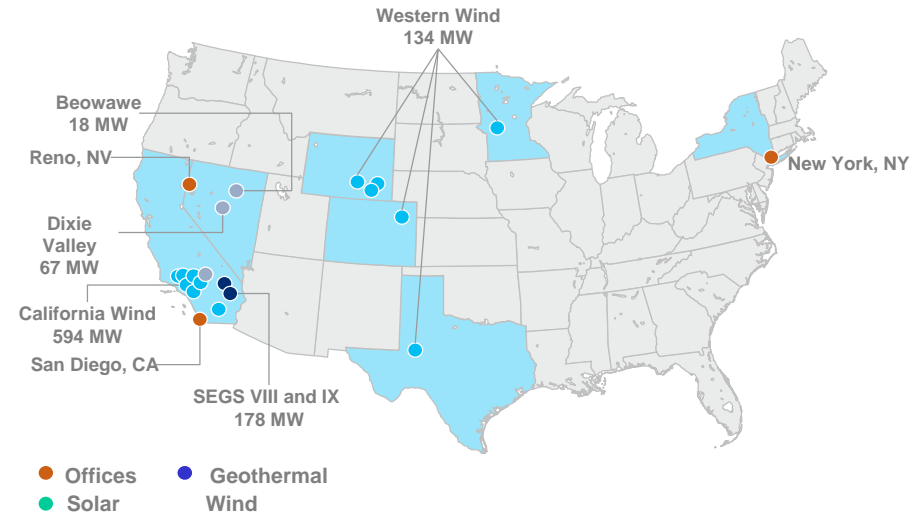
Overview

- Terra-Gen is a U.S.-based independent power producer focused on the development, construction and operation of power generation facilities utilizing clean energy resources such as wind, solar, geothermal and battery storage with over 1,300 MW in operations and construction and 3+ GW in development
- Terra-Gen was established in August 2007; Acquired by Energy Capital Partners (ECP) in September 2015
- Terra-Gen is comprised of a development business, an operations and maintenance (“O&M”) platform and an Operating Portfolio (~1 GW)

Terra-Gen’s Development Portfolio

- Since ECP’s acquisition, Terra-Gen has grown contracted development and operating capacity by over 1,200 MW and is positioned for continued growth
- 3+ GW wind, solar and battery development pipeline in addition to currently contracted development projects
- Terra-Gen is one of the few developers positioned in California for wind development:
 - There is a scarcity of undeveloped in-state wind sites
 - Terra-Gen holds the majority of the in-state wind interconnection positions
 - Wind has a preferable generation profile given solar duck chart issues
- Collectively, the Terra-Gen team has managed and participated in the development and acquisition of more than 25,000 MW over the course of their careers

Terra-Gen’s Footprint¹



Terra-Gen’s O&M Platform

- Terra-Gen operates 23 wind projects with a total capacity of 1,007 MW, two solar thermal projects (178 MW) and two geothermal facilities (85 MW)
- The operating team is composed of 228 employees, with management averaging 15+ years of site specific wind operating experience
- The TGO team has a track record of consistently delivering industry leading availability at sites managed by the team. Wind portfolio availability has been very strong, averaging over 96% for the past three years
- Terra-Gen has significant experience operating projects for third parties having operated 1,247 MW of the Alta Wind Energy Center on behalf of third parties such as NRG Yield and Berkshire Hathaway Energy

Scarcity of California Wind Opportunities

California, the nation's leader in reducing carbon emissions, has few wind investment opportunities with scale.

In-State Wind Resources Close to the Load are Valuable

- The state's Renewable Portfolio Standard ("RPS") gives preference to in-state renewable energy
 - 91% of RPS eligible wholesale facilities online as of November 2017 are in-state capacity, meeting the 75% requirement passed in 2006
- Wind generation helps to address the solar power duck curve issue
- Given CAISO system instability concerns with too many solar PV supply additions, there is a strong demand from off-take counterparties for more wind resources

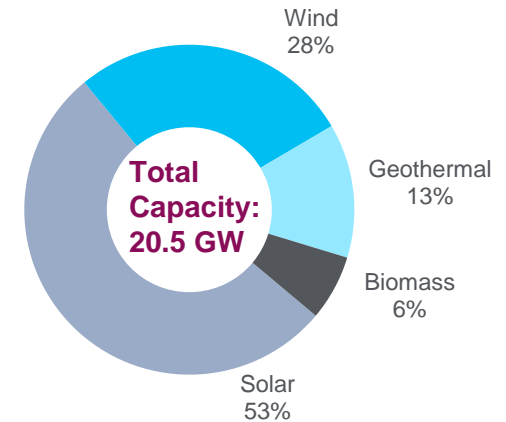
High Barriers to Entry

- Wind permitting involves multiple government agencies and environmental studies, which makes rapid wind deployment difficult and costly
- California has a limited number of wind resource regions, a majority of which have been well-developed
 - The three major wind corridors are Tehachapi, Altamont and San Geronio
- From 2015 to 2017, only 463 MW of wind capacity has been added in California
- Disparate ownership, robust legacy 20th century build-out and lack of scale, limit repowering opportunities

Access to Available Transmission

- PG&E's 115kv Bridgeville Substation, located in Humboldt County has sufficient capacity to accommodate the Humboldt Wind Project

2017 In-State Renewables Capacity



New Renewable Capacity in 2018

Solar PV	1,140.0	86%
Wind	193.5	14%
Total	1,333.5	100%

Humboldt Wind: Facility Overview

Project Overview

Location	Southern Humboldt, CA Monument Ridge
Net Capacity	up to 155 MW up to 55 turbines
COD	Q4 2020
Interconnect	PGE Bridgeville Substation (115 kV)
Technology	Tier 1 Turbine Supplier (GE, Vestas)
Permitting	Submitted CUP App to County EIR (Spring '19)
O&M Provider	Terra-Gen Operating Company

Facility Map

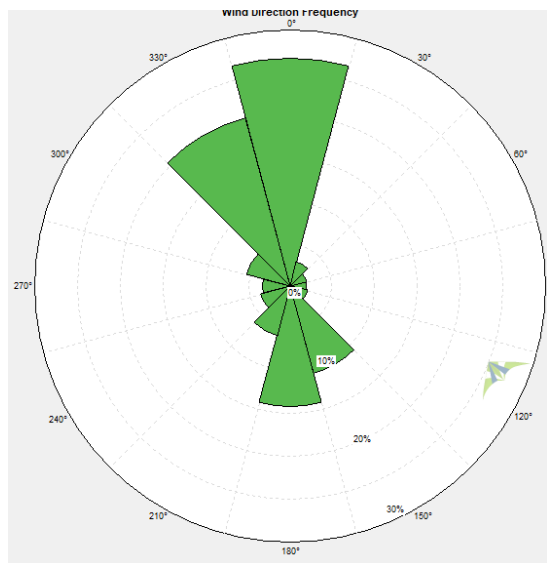


Humboldt Wind: Premier Location with a Strong Wind Resource

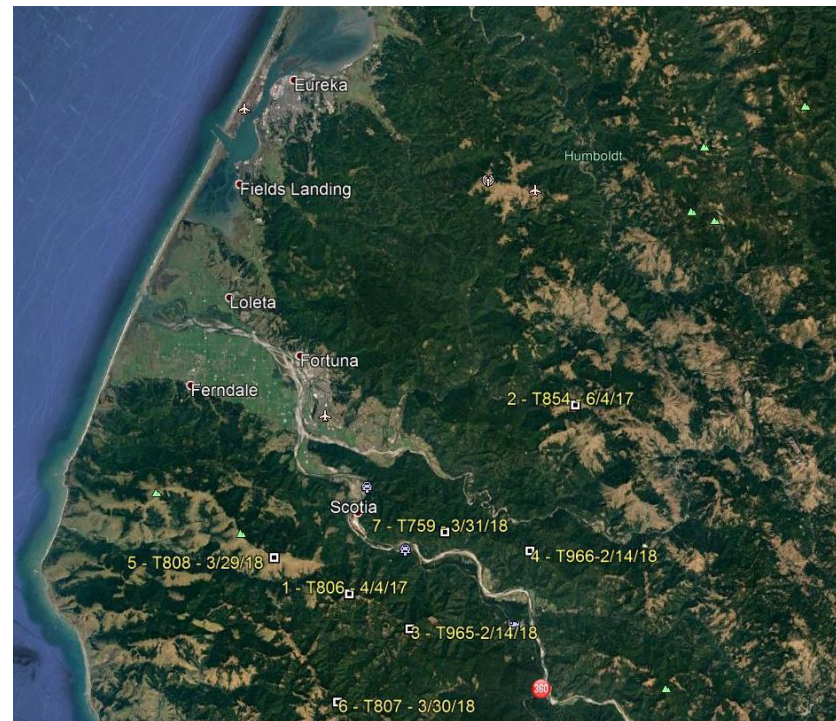
Northern California

- Northern California has limited developable wind resource areas, but Humboldt County stands out from other areas
- Average wind speeds approach nearly 8.0 m/s (about 17.9 mph)
- This places much of the Humboldt Wind project in wind power class 6 (with class 1 being the lowest and class 7 being the highest)
- The region has an attractive wind resource, but previous development has not taken off for several reasons
- The costs to construct a utility scale wind project are above average due to permitting and site access
- Lack of true understanding of local issues and concerns

Humboldt Wind Resource



Humboldt Area Map

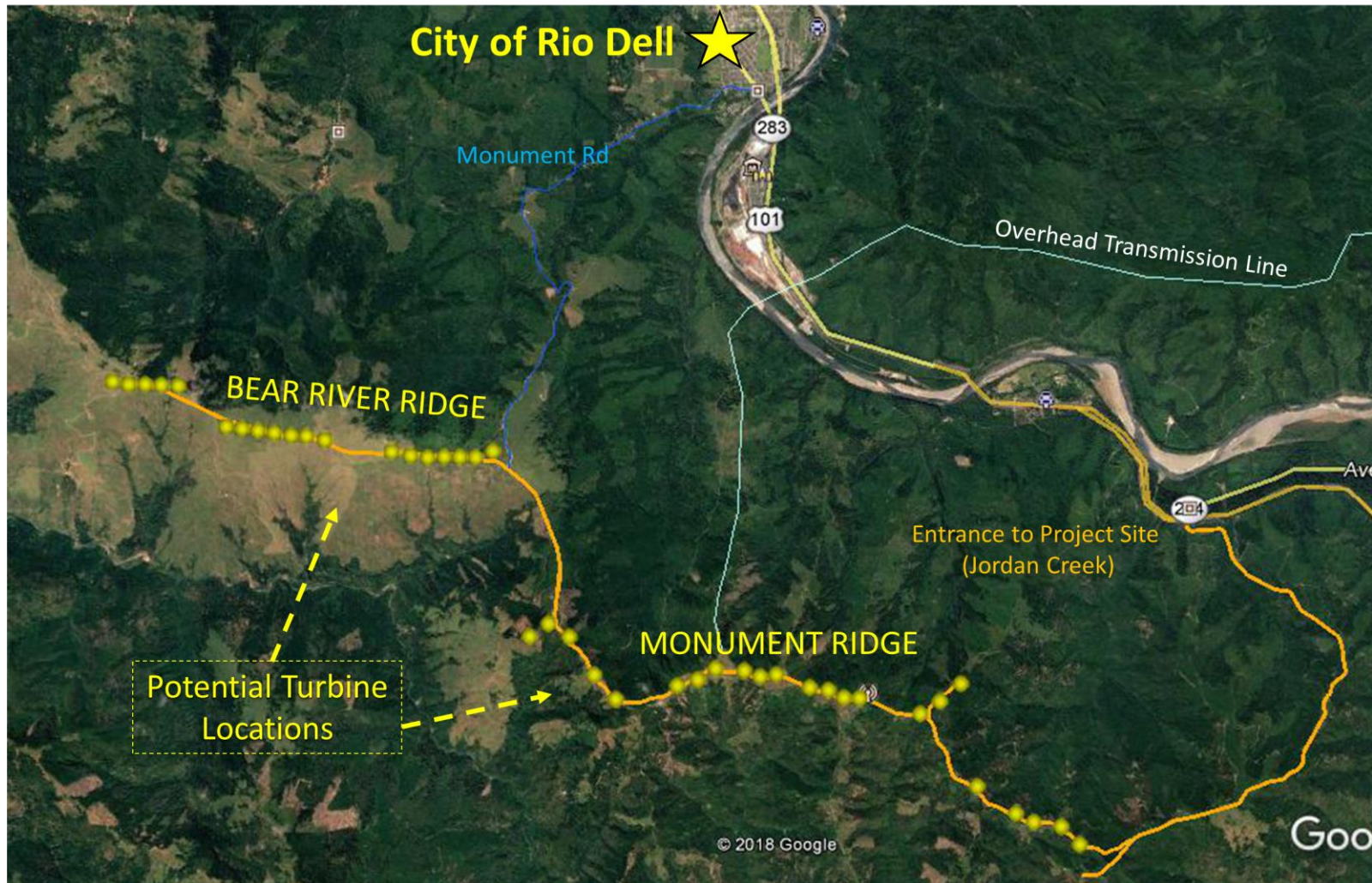


Resource Profile

- Humboldt is one California's premier wind resource areas, with some of the highest capacity factors in CA, and a uni-directional wind pattern
- Wind regime provides energy early to late evening energy, augmenting the duck curve in CA
- We have collected multiple years of wind data to support reliable production projections
- Terra-Gen and its predecessors have collected wind data since 2005

Humboldt Wind: Facility Overview

Terra-Gen will build up to 155 MW on Monument Ridge and Bear River Ridge south of the City of Rio Dell



Humboldt Wind: Community Benefits

Jobs	<ul style="list-style-type: none">• Up to 300 Construction Jobs• Up to 15 Permanent Jobs
Environmental	<ul style="list-style-type: none">• 372,000 Metric Tons of CO2 avoided• Equivalent of 80,000 cars removed
Property Tax	<ul style="list-style-type: none">• First 10 years: \$25M• Life of Project: \$76M
Sales Tax	<ul style="list-style-type: none">• During Construction: \$5.3M• Life of Project: \$7.7M
Scholarship Program	<ul style="list-style-type: none">• \$150,000• Distributed Over Four Years• Co-administered by RCEA and Humboldt Wind



Testimonial from Kern County, CA

Lorelei H. Oviatt AICP, Director - Planning and Natural Resources

“They go beyond the minimum and are working with the US Fish and Wildlife Service on advanced technology and studies to protect a variety of Avian species that extend beyond the mitigation measures required. They are one of the most knowledgeable experienced wind developers in California.

“Beyond their responsibilities as wind developers they are excellent corporate partners in the community. “

BIRD & BAT STUDIES (ongoing)

Small Bird Use Count Surveys

Eagle Use Count Surveys



Nesting Bald & Golden Eagle Aerial Surveys

Marbled Murrelet (MAMU) Radar Surveys

MAMU & Northern Spotted Owl Habitat Assessment

Bat Acoustic Detector Surveys



VISUAL SIMULATIONS FROM RIO DELL

Monument Ridge

without Turbines

Monument Ridge

Highway 101, Looking southwest to Monument Ridge @ 5.7mi

with Turbines



STAFF REPORT

AGENDA DATE:	September 13, 2018
TO:	Board of Directors
PREPARED BY:	Aisha Cissna, Transportation Specialist
SUBJECT:	Fleet Scholarship for Agency Staff – <i>Information Only</i>

RECOMMENDATION

Encourage respective agency staff, specifically public works staff and fleet managers, to apply to the RCEA-funded scholarship for the NorCal Clean Technology Forum & Expo by Friday September 28, 2018. Distribute scholarship announcement and application to respective agency staff. If time allows, Board members are also encouraged to reach out to other public and private sector employees with this opportunity.

SUMMARY

RCEA is offering a scholarship for fleet managers to attend the NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting.

- The Conference Scholarship is offered on a first-come, first-serve basis and is limited to the first two fleet managers who complete all enrollment requirements. As of 9-13-18, one slot remains vacant and continued outreach efforts on behalf of RCEA staff have seen limited response from public agency staff.
- Interested fleet managers must first complete the scholarship application (see attachment) and submit to RCEA. Fleet managers must be based in Humboldt County, Trinity County, or Del Norte County, CA. The scholarship is available to private as well as public sector employees. Board members are first and foremost requested to distribute amongst their respective agency staff, but also encouraged to distribute throughout their networks, if possible.
- One fleet conference scholarship is available per organization.
- Fleet managers must be available to attend the NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting Sacramento on October 16-18, 2018.
- Fleet managers must pay for all meals out of pocket and submit original receipts to RCEA. Transportation and hotel will be provided by RCEA.

Fleet Conference Scholarship provides reimbursement for any of the following approved expenses:

- Meals for reimbursement:
 - Lunch on **October** 16, 17, and 18 up to \$11, and
 - Dinner on **October** 18 up to \$23.

- Food provided at the event for free:
 - Continental breakfast October 17 and 18,
 - Snacks and appetizers October 16-18, and
 - Reception dinner October 16 and 17.

ATTACHMENTS:

Attachment A: Scholarship Announcement

Attachment B: Scholarship Application

Attachment C: Conference Schedule



Fleet Manager Conference Scholarship

Announcement date: August 13TH, 2018

Jessica Solomon, Transportation Assistant
Redwood Coast Energy Authority
707.269.1700 x 315, jsolomon@redwoodenergy.org

The Redwood Coast Energy Authority (RCEA) is offering a Conference Scholarship for fleet managers to attend the NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting.

- The Conference Scholarship is offered on a first come, first served basis and is limited to the first two fleet managers who complete all enrollment requirements.
- Interested fleet managers must first complete a Scholarship Application and submit to RCEA. Fleet Managers must be based in Humboldt County, Trinity County, or Del Norte County, CA.
- One Fleet Conference Scholarship is available per organization.
- Fleet managers must be available to attend the NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting Sacramento on October 16-18, 2018.
- Fleet managers must pay for all meals out of pocket and submit original receipts to RCEA. Transportation and hotel will be provided by RCEA.

Fleet Conference Scholarship provides reimbursement for any of the following approved expenses:

- Meals for reimbursement
 - Lunch on **October** 16th, 17th, and 18th up to \$11
 - Dinner on **October** 18th up to \$23
- Food provided at the event for free:
 - Continental breakfast 17th and 18th
 - Snacks and appetizers 16th-18th
 - Reception dinner 16th and 17th

Please direct scholarship questions to Jessica Solomon (see contact info above). If you would like to learn more about the NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting, please visit the conference website at <http://norcalcleanfleetexpo.com/>.



Fleet Conference Scholarship Application

EXTENDED Application Deadline: Friday September 28th by 5pm; open until filled

Contact:

Jessica Solomon, Transportation Assistant
Redwood Coast Energy Authority
707.269.1700 x 315, jsolomon@redwoodenergy.org

I am applying for the Redwood Coast Energy Authority (RCEA) Fleet Conference Training Scholarship to attend The NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting. I certify that my organization is based in Humboldt County, Trinity County, or Del Norte County, CA. I understand I am allowed one conference training scholarship for my organization. I understand that transportation to Sacramento and my hotel stay will be covered by RCEA. I understand I will be travelling with an RCEA staff member to Sacramento. I understand that I will be required to have prompt and reliable attendance for the event taking place in Sacramento on October 16-18. For any meals and transportation I pay for, I will submit original receipts to RCEA for the approved expenses listed below.

- Meals for reimbursement:
 - Lunch on October 16th, 17th, and 18th up to \$11
 - Dinner on October 18th up to \$23
- Food provided at the event for free:
 - Continental breakfast 17th and 18th
 - Snacks and appetizers 16th-18th
 - Reception dinner 16th and 17th

I understand and agree to the conditions described above. I will be committed to attend NorCal Clean Technology Forum & Expo and West Coast Collaborative Partners Meeting with Aisha Cissna and one other fleet manager October 16-18.

Applicant Name _____ Signature _____ Date _____

Business Name _____ Address _____

Phone _____ Fax _____ Email _____



NORCAL CLEAN TECHNOLOGY FORUM & EXPO AND WEST COAST COLLABORATIVE PARTNERS MEETING

PRODUCED BY



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Green Transportation
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2018 Program

Tuesday, October 16

Pre-Conference Events	
10:00am-5:00pm	Registration Open
9:00am-12:00pm	Hydrogen 101 Tour ▾
12:30-4:30pm	100 Best Fleets Workshop with Tom Johnson ▾ • Tom Johnson Author, The 100 Best Fleets in the Americas
1:00-5:00pm	Renewable Fuels Workshop ▾
5:00-7:00pm	Welcome Reception

Wednesday, October 17

7:00-8:00am	Registration		
8:15-8:30am	Opening Segment		
8:30-9:45am	Policy Plenary ▾ <ul style="list-style-type: none"> • Moderator: Dr. Jeremy Martin Senior Scientist and Fuels Lead, Clean Vehicles, Union of Concerned Scientists • Peter Moulton Senior Energy Policy Specialist, Washington Department of Commerce • Sam Wade Branch Chief, Transportation Fuels Branch, California Air Resources Board • Cory-Ann Wind Program Manager, Oregon Clean Fuels Program • Julie Witcover Assistant Project Scientist, U.C. Davis Institute for Transportation Studies 		
9:45-10:15am	Networking Break		
10:15-11:45am	Technology Innovation Plenary ▾ <ul style="list-style-type: none"> • Moderator: Michael Coates Editor & Publisher of Clean Fleet Report and Automotive Editor of Innovation & Tech Today Magazine • Dan Bowermaster Technical Executive, Electric Power Research Institute • Dr. Rasto Brezny Executive Director, Manufacturers of Emission Controls Association • Jeffrey Gonder Mobility, Behavior and Advanced Powertrains Group Manager, National Renewable Energy Laboratory (NREL), Transportation and Hydrogen Systems Center • Mary Solecki Partner, AJW, Inc, Low Carbon Fuels Coalition 		
11:45am-12:45pm	Lunch		
	Breakout 1	Breakout 2	Breakout 3
1:15-2:30pm	M/HD Zero-Emission Vehicles - Toolbox for Fleets ▾ <ul style="list-style-type: none"> • Moderator: Andy Swanton Director of Trucks, CALSTART • Donna DeMartino Chief Executive Officer, San Joaquin RTD 	Community Clean Air Action ▾ <ul style="list-style-type: none"> • Moderator: Francisco Dóñez West Coast Collaborative, U.S. Environmental Protection Agency, Region 9 • Margaret Gordon West Oakland Environmental Indicators Project • Fern Uennatornwaranggoon Bay Area Air Quality Policy Manager, Environmental Defense Fund 	Freight Technologies and Policies ▾ <ul style="list-style-type: none"> • Moderator: Kurt Beckett Deputy CEO, Northwest Seaport Alliance • Chris Cannon Director of Environmental Management, Port of Los Angeles • Cynthia Marvin Chief of Toxics & Transportation Division, California Air Resources Board • Sarah Rees Assistant Deputy Executive Officer, South Coasts Air Quality Management District • Heather Tomley Director of Environmental Planning, Port of Long Beach
2:30-3:00pm	Networking Break		
3:00-4:15pm	M/HD Low NOx Natural Gas Vehicles - Toolbox for Fleets ▾ <ul style="list-style-type: none"> • Moderator: Alycia Gilde Director, CALSTART • Gracie Brown Corporate Strategy, PG&E • Justin Loyear Territory Manager - On Highway Sales, Cummins Westport Inc. • Bill Zobel VP Market Development and Strategy, Trillium 	Locomotive Technology and Policy ▾ <ul style="list-style-type: none"> • Tom Mack President/CTO, VeRail Technologies • Amanda Marruffo Senior Manager of Environmental Operations, BNSF Railroad 	Light-Duty Vehicle Technology Deployment ▾ <ul style="list-style-type: none"> • Paul Hernandez Head of Public Policy & Government Relations, Envoy • Dwight MacCurdy Energy Services Manager, SMUD • Raef Porter Climate and Energy Manager, Sacramento Area Council of Governments
4:15-4:30pm	Break		
4:30-5:30pm	On-Road Vehicle Plenary ▾		
5:30-7:00pm	Networking Reception		

Thursday, October 18

7:30-8:30am	Registration		
8:30-10:00am	Federal Funding Programs for Low-Emission and Zero-emission Technologies ▼		
10:00-10:15am	Break		
	Breakout 1	Breakout 2	Breakout 3
10:15am-11:30am	California Funding ▼ <ul style="list-style-type: none"> • Moderator: John Boesel President and CEO, CALSTART • Alan Abbs Executive Director, California Air Pollution Control Officers Association • Michelle Buffington California Air Resources Board • Ben De Alba Supervisor, Advanced Vehicle Technologies and Planning Unit, California Energy Commission 	Fleet Workshop: Clean Vehicles and Incentives 101 ▼	Nonroad Technologies ▼ <ul style="list-style-type: none"> • Moderator: Tess Sicat Heavy-Duty Off-Road Strategies Branch Chief, California Air Resources Board • Fares Beainy, Ph.D. Electromobility Strategy & Business Development Manager, Volvo Construction Equipment • Gary Dannar CEO at DD Dannar, LLC • Ezra Finkin Director - Policy and External Relations, Diesel Technology Forum • Kathleen Horchler Director - Emissions Regulations & Conformity, Caterpillar
11:30-11:45am	Break		
11:45am-12:15pm	Plenary Summary & Wrap Up ▼		
12:00-1:00pm	CALSTART's "Parade of Low-Emission and Zero-Emission Vehicles"		
12:00-4:00pm	Light-duty, Medium-duty, Heavy-duty Ride-and-Drive		
1:00-2:30pm	Panel Presentation: Supporting Emergency Services with Alternative and Renewable Powered Vehicles		

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