



Board of Directors Meeting

Wednesday, March 21, 2018

6:00 pm

City of Hayward Council Chambers

777 B Street, Hayward, CA

Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the meeting materials, should contact the Clerk of the Board at least 2 working days before the meeting at (510) 736-4981 or Scabrera@ebce.org.

If you have anything that you wish to be distributed to the Board please hand it to the clerk who will distribute the information to the Board members and other staff

1. Welcome & Roll Call

2. Pledge of Allegiance

3. Public Comment

This item is reserved for persons wishing to address the Board on any EBCE-related matters that are not otherwise on this meeting agenda. Public comments on matters listed on the agenda shall be heard at the time the matter is called. As with all public comment, members of the public who wish to address the Board are customarily limited to three minutes per speaker.

CONSENT AGENDA

4. Approval of Minutes from February 28, 2018

5. Approval of EBCE Rate Sheets

Adopt a Resolution approving the rate sheets for the Bright Choice and Brilliant 100 product services.

6. Authority to Negotiate and Execute a Professional Services Agreement with Circlepoint in Continuation of Existing but Expiring Contract with Alameda County

Adopt a Resolution authorizing the Chief Executive Officer (CEO) to negotiate and execute a contract with Circlepoint with a term of April 12, 2018 to June 30, 2019, in an amount not to exceed \$350,000 which is the remaining contract amount budgeted under the Alameda County Procurement Contract No. 14862.

REGULAR AGENDA

7. CEO Report (Informational Item)

Receive update on workflow priorities.

8. Discussion of Potential Amendments to the Joint Powers Agreement (Discussion Item)

Discuss potential amendments to the East Bay Community Energy Authority Joint Powers Agreement and give direction to staff with respect to any amendments to bring back to the Board for consideration, after providing proper notice.

9. JPA Member Election to Default Phase 1 Customers onto Brilliant 100 (Action Item)

Adopt a Resolution directing staff to make the necessary arrangements to allow the default service for the Phase 1 enrollment in certain cities to be Brilliant 100 for all non-residential customers and approving amendment to the terms and conditions.

10. Board Member and Staff Announcements

11. Adjournment – to Wednesday, April 4, 2018. Location: City of Hayward,
Council Chambers
777 B street
Hayward CA



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SUMMARY MINUTES

Board of Directors Meeting

Wednesday, February 28, 2018

7:00 pm

City of Hayward Council Chambers

777 B Street, Hayward, CA

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1. Welcome & Roll Call

The Chair announced that Director Don Biddle passed away on Wednesday, 2/21/18 and requested a moment of silence.

Present: Arreguin (Berkeley), Cavanaugh (Piedmont), Donahue (Emeryville), Mendall (Hayward), McQuaid (Albany) Singh (Union City), Thomas (San Leandro), O’Neil (Community Advisory Committee), Vice-Chair Kalb (Oakland); and Chair Haggerty (Alameda County)

Excused: Haubert (Dublin), Bacon (Fremont), Spedowfski (Livermore)

2. Pledge of Allegiance

3. Public Comment

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Al Weinrub – Spoke regarding BRILLIANT 100 product compositions and requested that the Board reconsider the energy sources.

CONSENT AGENDA

4. Approval of Minutes from February 7, 2018

Continued from Wednesday, 2/21/18 (Item #4)

5. Approval of Terms and Conditions of Service

Approve EBCE customer Terms and Conditions of Service.

Continued from Wednesday, 2/21/18 (Item #5)

6. Appointment of Chief Operating Officer as EBCE Treasurer (Action Item)

Adopt a Resolution appointing Howard Chang, Chief Operating Officer, as Treasurer of the East Bay Community Energy.

Continued from Wednesday, 2/21/18 (Item #9)

R-2018-11

7. Procurement Delegation and Standard Power Purchase Agreements and Confirmations (Action Item)

Adopt a Resolution to:

- A. Delegate authority to the Chief Executive Officer (CEO) to enter into Approved Product transactions as defined in Appendix 6 of the Energy Risk Management Policy (ERM) in accordance with the Authorized Approved Product Transaction Limits set forth in Appendix 4 of the ERM, to secure energy supply agreements that meet power content requirements for Bright Choice and Brilliant100, to meet EBCE's approved customer discount, and to enter into such other supply arrangements for the benefit of the customers of East Bay Community Energy consistent with the requirements of the ERM;
- B. Grant the CEO authority to enter into Approved Product Transactions for a term of up to 60 consecutive months from the calendar month following the date of the transaction ;
- C. Delegate authority to the CEO to execute Confirmations for Approved Product transactions, as needed, in accordance with the requirements of the ERM; and
- D. Delegate authority to CEO to execute Master Agreements with additional suppliers, as needed, in accordance with the requirements of the ERM.

Continued from Wednesday, 2/21/18 (Item #13)

R-2018-13

8. Extension of contract with Energy and Environmental Economics (Action Item)

Adopt a Resolution authorizing the CEO to execute a contract amendment with Energy and Environmental Economics (E3) to provide analytical support for energy procurement, energy market analysis and integrated resource planning, increasing the contract to a not to exceed amount of \$250,000 and extending the term through December 31, 2018

Director Mendall motioned to approve items: 4, 6, 7, 8 and 9. Director Thomas seconded the motion which carried 8/0; Excused: Directors: Bacon, Haubert, Spedowfski and Vice-Chair Kalb

REGULAR AGENDA

9. Authorization to Execute Revolving Credit Agreement with Barclays Bank PLC (Action Item)

Adopt a Resolution authorizing the Chief Executive Officer to execute a revolving credit agreement with Barclays Bank PLC to provide start-up capital prior to launch and credit for power procurement. The revolving credit facility will provide up to \$50 million of capital over a term of 3 years with flexibility to terminate the facility without penalty after 1 year.

Continued from Wednesday, 2/21/18 (Item #8)

R-2018-3

Director Arreguin motioned to Authorize the CEO to execute a revolving credit agreement with Barclays Bank PLC. Director Mendall seconded the motion which carried 9/0; Excused: Directors: Bacon, Haubert and Spedowski

10. Approval of Initial NEM Policy (Action Item)

Adopt a Resolution approving staff proposal for initial Net Energy Metering (NEM) Policy. Amend policy, as necessary, after finalization of Local Development Business Plan. **Continued from Wednesday, 2/21/18 (Item #10)**

The Board Discussed:

- **NEM incentives**
- **Phase 1 customers**
- **Ability to amend policy once LDBP is completed**

R-2018-12

Barbara Stebbins – Spoke in opposition of recommended NEM adders and recommended other community benefit adders be considered.

Director Mendall motioned to Approve the Initial NEM Policy. Director Kalb seconded the motion which carried 9/0; Excused: Directors: Bacon, Haubert and Spedowski.

11. Board Member and Staff Announcements

The Chair thanked the Board Alternates for attending the meeting.

Staff announced the Executive committee meeting will be held on the 4th Friday of the month at 12:00pm, location TBD.

12. Adjourned – to Wednesday, March 21, 2018. Location: City of Hayward,
Council Chambers
777 B street
Hayward CA



Staff Report Consent Item 5

TO: East Bay Community Energy Board of Directors

FROM: Nick Chaset, Chief Executive Officer

SUBJECT: Approval of EBCE Rate Sheets

DATE: March 21, 2018

Recommendation

Adopt a Resolution approving the rate sheets for the *Bright Choice* and *Brilliant 100* product services.

Background

PG&E recently published its updated rates for 2018, which took effect March 1. The rates are published on PG&E's tariff page, and provide a breakdown of the generation component of the charges for the various billing determinants used to calculate a PG&E bill.

During its February 7, 2018 meeting, the board approved overall discounts for both EBCE products, setting a discount of 1.5% for the *Bright Choice* service, and a discount of 0% for the *Brilliant 100* service, as compared to PG&E rates.

EBCE staff has compiled a list of all possible billing determinants by rate schedule, and has calculated the rates corresponding to each determinant for each rate schedule and each product, as listed in the attached rate sheet.

Analysis & Discussion

Rates were calculated for each determinant by requiring that the base EBCE rate plus system fees (PCIA & franchise fees) amount to 1.5% less than corresponding PG&E amounts for *Bright Choice*, and to 0% less for *Brilliant 100*.

Attachments

- A. Resolution
- B. Exhibit A - Rate Sheets

RESOLUTION NO. _____

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE EAST BAY COMMUNITY ENERGY AUTHORITY
APPROVING RATES FOR BRIGHT CHOICE AND BRILLIANT 100 PRODUCTS**

THE BOARD OF DIRECTORS OF THE EAST BAY COMMUNITY ENERGY AUTHORITY DOES HEREBY FIND, RESOLVE, AND ORDER AS FOLLOWS:

Section 1. The East Bay Community Energy Authority (“EBCE”) was formed on December 1, 2016, under the Joint Exercise of Power Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Castro Valley, Dublin, Emeryville, Fremont, Hayward, Livermore, Oakland, San Leandro, and Union City, to study, promote, develop, conduct, operate, and manage energy and energy-related climate change programs in all the member jurisdictions.

Section 2. At the February 7, 2018 Board of Directors regular meeting, the Board established the initial energy products to be provided by EBCE namely Bright Choice containing 85% carbon-free content and Brilliant 100 containing 100% carbon-free content.

Section 3. At the February 7, 2018 Board of Directors regular meeting, the Board also set a framework for establishing rates by benchmarking the rates off PG&E rates such that Bright Choice rates will be set at 1.5% below PG&E’s 2018 rates and Brilliant 100 rates will match PG&E’s 2018 rates.

Section 4. Based on the rates framework and PG&E’s 2018 rates, which were effective on March 1, 2018, the Board hereby establishes the rates for Bright Choice and Brilliant 100 as set forth in Exhibit A for Bright Choice and Brilliant 100.

Section 5. The Board reserves the right to modify the rates from time to time to stay competitive with PG&E rates and maintain the rates consistent with the previous framework or adopt a new framework. Any rates adjustment shall be made at a noticed public meeting.

ADOPTED AND APPROVED this _____ day of _____, 2018.

Scott Haggerty, Chair

ATTEST:

Stephanie Cabrera, Clerk of the Board



East Bay Community Energy Rate Sheets

Bright Choice

Rate	Billing Determinant Name	EBCE Rate	System Fees	Total Rate	PG&E 2018 Rate	Unit	Season
A1	Summer kWh	0.09853	0.02528	0.12381	0.1257	kWh	Summer
A1	Winter kWh	0.0599	0.02528	0.08518	0.08648	kWh	Winter
A10P	Max Demand Summer kW	4.6295	0	4.6295	4.7	kW	Summer
A10P	Summer kWh	0.07893	0.02568	0.10461	0.1062	kWh	Summer
A10P	Winter kWh	0.0559	0.02568	0.08158	0.08282	kWh	Winter
A10PX	Max Demand Summer kW	4.6295	0	4.6295	4.7	kW	Summer
A10PX	Off-Peak Summer kWh	0.05405	0.02568	0.07973	0.08094	kWh	Summer
A10PX	Off-Peak Winter kWh	0.05114	0.02568	0.07682	0.07799	kWh	Winter
A10PX	Part-Peak Summer kWh	0.08028	0.02568	0.10596	0.10757	kWh	Summer
A10PX	Part-Peak Winter kWh	0.06678	0.02568	0.09246	0.09387	kWh	Winter



Attachment 5A Exhibit A

A10PX	Peak Summer kWh	0.13008	0.02568	0.15576	0.15813	kWh	Summer
A10S	Max Demand Summer kW	5.32885	0	5.32885	5.41	kW	Summer
A10S	Summer kWh	0.08872	0.02568	0.1144	0.11614	kWh	Summer
A10S	Winter kWh	0.06214	0.02568	0.08782	0.08916	kWh	Winter
A10SX	Max Demand Summer kW	5.32885	0	5.32885	5.41	kW	Summer
A10SX	Off-Peak Summer kWh	0.05984	0.02568	0.08552	0.08682	kWh	Summer
A10SX	Off-Peak Winter kWh	0.05497	0.02568	0.08065	0.08188	kWh	Winter
A10SX	Part-Peak Summer kWh	0.08749	0.02568	0.11317	0.11489	kWh	Summer
A10SX	Part-Peak Winter kWh	0.07179	0.02568	0.09747	0.09895	kWh	Winter
A10SX	Peak Summer kWh	0.14179	0.02568	0.16747	0.17002	kWh	Summer
A10T	Max Demand Summer kW	3.63465	0	3.63465	3.69	kW	Summer
A10T	Summer kWh	0.06925	0.02568	0.09493	0.09638	kWh	Summer



A10T	Winter kWh	0.04926	0.02568	0.07494	0.07608	kWh	Winter
A10TX	Max Demand Summer kW	3.63465	0	3.63465	3.69	kW	Summer
A10TX	Off-Peak Summer kWh	0.04496	0.02568	0.07064	0.07172	kWh	Summer
A10TX	Off-Peak Winter kWh	0.04392	0.02568	0.0696	0.07066	kWh	Winter
A10TX	Part-Peak Summer kWh	0.06989	0.02568	0.09557	0.09703	kWh	Summer
A10TX	Part-Peak Winter kWh	0.05828	0.02568	0.08396	0.08524	kWh	Winter
A10TX	Peak Summer kWh	0.11606	0.02568	0.14174	0.1439	kWh	Summer
A15	Summer kWh	0.09853	0.02528	0.12381	0.1257	kWh	Summer
A15	Winter kWh	0.0599	0.02528	0.08518	0.08648	kWh	Winter
A1X	Off-Peak Summer kWh	0.06223	0.02528	0.08751	0.08884	kWh	Summer
A1X	Off-Peak Winter kWh	0.06837	0.02528	0.09365	0.09508	kWh	Winter
A1X	Part-Peak Summer kWh	0.08917	0.02528	0.11445	0.11619	kWh	Summer



A1X	Part-Peak Winter kWh	0.08898	0.02528	0.11426	0.116	kWh	Winter
A1X	Peak Summer kWh	0.11246	0.02528	0.13774	0.13984	kWh	Summer
A6	Off-Peak Summer kWh	0.0531	0.02528	0.07838	0.07957	kWh	Summer
A6	Off-Peak Winter kWh	0.06095	0.02528	0.08623	0.08754	kWh	Winter
A6	Part-Peak Summer kWh	0.11051	0.02528	0.13579	0.13786	kWh	Summer
A6	Part-Peak Winter kWh	0.07817	0.02528	0.10345	0.10503	kWh	Winter
A6	Peak Summer kWh	0.3465	0.02528	0.37178	0.37744	kWh	Summer
AG1A	Connected Load Summer kW	1.46765	0	1.46765	1.49	kW	Summer
AG1A	Summer kWh	0.08195	0.02516	0.10711	0.10874	kWh	Summer
AG1A	Winter kWh	0.06074	0.02516	0.0859	0.08721	kWh	Winter
AG1B	Max Demand Summer kW	2.2064	0	2.2064	2.24	kW	Summer
AG1B	Summer kWh	0.08514	0.02516	0.1103	0.11198	kWh	Summer



Attachment 5B Exhibit A

AG1B	Winter kWh	0.06082	0.02516	0.08598	0.08729	kWh	Winter
AG4A	Connected Load Summer kW	1.4578	0	1.4578	1.48	kW	Summer
AG4A	Off-Peak Summer kWh	0.04882	0.02516	0.07398	0.07511	kWh	Summer
AG4A	Off-Peak Winter kWh	0.04164	0.02516	0.0668	0.06782	kWh	Winter
AG4A	Part-Peak Winter kWh	0.05325	0.02516	0.07841	0.0796	kWh	Winter
AG4A	Peak Summer kWh	0.14622	0.02516	0.17138	0.17399	kWh	Summer
AG4B	Max Demand Summer kW	2.5807	0	2.5807	2.62	kW	Summer
AG4B	Max Peak Demand Summer kW	2.7383	0	2.7383	2.78	kW	Summer
AG4B	Off-Peak Summer kWh	0.05102	0.02516	0.07618	0.07734	kWh	Summer
AG4B	Off-Peak Winter kWh	0.03805	0.02516	0.06321	0.06417	kWh	Winter
AG4B	Part-Peak Winter kWh	0.04913	0.02516	0.07429	0.07542	kWh	Winter
AG4B	Peak Summer kWh	0.10609	0.02516	0.13125	0.13325	kWh	Summer



AG4C	Max Part-Peak Demand Summer kW	1.0835	0	1.0835	1.1	kW	Summer
AG4C	Max Peak Demand Summer kW	6.35325	0	6.35325	6.45	kW	Summer
AG4C	Off-Peak Summer kWh	0.03671	0.02516	0.06187	0.06281	kWh	Summer
AG4C	Off-Peak Winter kWh	0.03323	0.02516	0.05839	0.05928	kWh	Winter
AG4C	Part-Peak Summer kWh	0.06058	0.02516	0.08574	0.08705	kWh	Summer
AG4C	Part-Peak Winter kWh	0.04348	0.02516	0.06864	0.06969	kWh	Winter
AG4C	Peak Summer kWh	0.1263	0.02516	0.15146	0.15377	kWh	Summer
AG5A	Connected Load Summer kW	3.98925	0	3.98925	4.05	kW	Summer
AG5A	Off-Peak Summer kWh	0.05414	0.02516	0.0793	0.08051	kWh	Summer
AG5A	Off-Peak Winter kWh	0.04567	0.02516	0.07083	0.07191	kWh	Winter
AG5A	Part-Peak Winter kWh	0.0579	0.02516	0.08306	0.08432	kWh	Winter
AG5A	Peak Summer kWh	0.13523	0.02516	0.16039	0.16283	kWh	Summer



AG5B	Max Demand Summer kW	4.79695	0	4.79695	4.87	kW	Summer
AG5B	Max Peak Demand Summer kW	6.0085	0	6.0085	6.1	kW	Summer
AG5B	Off-Peak Summer kWh	0.02751	0.02516	0.05267	0.05347	kWh	Summer
AG5B	Off-Peak Winter kWh	0.01854	0.02516	0.0437	0.04437	kWh	Winter
AG5B	Part-Peak Winter kWh	0.04918	0.02516	0.07434	0.07547	kWh	Winter
AG5B	Peak Summer kWh	0.13149	0.02516	0.15665	0.15904	kWh	Summer
AG5C	Max Part-Peak Demand Summer kW	2.09805	0	2.09805	2.13	kW	Summer
AG5C	Max Peak Demand Summer kW	11.14035	0	11.14035	11.31	kW	Summer
AG5C	Off-Peak Summer kWh	0.02939	0.02516	0.05455	0.05538	kWh	Summer
AG5C	Off-Peak Winter kWh	0.02623	0.02516	0.05139	0.05217	kWh	Winter
AG5C	Part-Peak Summer kWh	0.04982	0.02516	0.07498	0.07612	kWh	Summer
AG5C	Part-Peak Winter kWh	0.03551	0.02516	0.06067	0.06159	kWh	Winter



AG5C	Peak Summer kWh	0.10469	0.02516	0.12985	0.13183	kWh	Summer
AGRA	Connected Load Summer kW	1.4184	0	1.4184	1.44	kW	Summer
AGRA	Off-Peak Summer kWh	0.04745	0.02516	0.07261	0.07372	kWh	Summer
AGRA	Off-Peak Winter kWh	0.04319	0.02516	0.06835	0.06939	kWh	Winter
AGRA	Part-Peak Winter kWh	0.05514	0.02516	0.0803	0.08152	kWh	Winter
AGRA	Peak Summer kWh	0.26314	0.02516	0.2883	0.29269	kWh	Summer
AGRB	Max Demand Summer kW	2.09805	0	2.09805	2.13	kW	Summer
AGRB	Max Peak Demand Summer kW	2.35415	0	2.35415	2.39	kW	Summer
AGRB	Off-Peak Summer kWh	0.04691	0.02516	0.07207	0.07317	kWh	Summer
AGRB	Off-Peak Winter kWh	0.03115	0.02516	0.05631	0.05717	kWh	Winter
AGRB	Part-Peak Winter kWh	0.04096	0.02516	0.06612	0.06713	kWh	Winter
AGRB	Peak Summer kWh	0.2352	0.02516	0.26036	0.26432	kWh	Summer



AGVA	Connected Load Summer kW	1.4775	0	1.4775	1.5	kW	Summer
AGVA	Off-Peak Summer kWh	0.04452	0.02516	0.06968	0.07074	kWh	Summer
AGVA	Off-Peak Winter kWh	0.04179	0.02516	0.06695	0.06797	kWh	Winter
AGVA	Part-Peak Winter kWh	0.05349	0.02516	0.07865	0.07985	kWh	Winter
AGVA	Peak Summer kWh	0.2271	0.02516	0.25226	0.2561	kWh	Summer
AGVB	Max Demand Summer kW	1.92075	0	1.92075	1.95	kW	Summer
AGVB	Max Peak Demand Summer kW	2.47235	0	2.47235	2.51	kW	Summer
AGVB	Off-Peak Summer kWh	0.04495	0.02516	0.07011	0.07118	kWh	Summer
AGVB	Off-Peak Winter kWh	0.03135	0.02516	0.05651	0.05737	kWh	Winter
AGVB	Part-Peak Winter kWh	0.04121	0.02516	0.06637	0.06738	kWh	Winter
AGVB	Peak Summer kWh	0.20778	0.02516	0.23294	0.23649	kWh	Summer
E1	Flat kWh	0.07217	0.03401	0.10618	0.1078	kWh	All



E19P	Max Part-Peak Demand Summer kW	2.96485	0	2.96485	3.01	kW	Summer
E19P	Max Peak Demand Summer kW	12.18445	0	12.18445	12.37	kW	Summer
E19P	Off-Peak Summer kWh	0.0359	0.02165	0.05755	0.05843	kWh	Summer
E19P	Off-Peak Winter kWh	0.04248	0.02165	0.06413	0.06511	kWh	Winter
E19P	Part-Peak Summer kWh	0.06253	0.02165	0.08418	0.08546	kWh	Summer
E19P	Part-Peak Winter kWh	0.05693	0.02165	0.07858	0.07978	kWh	Winter
E19P	Peak Summer kWh	0.10395	0.02165	0.1256	0.12751	kWh	Summer
E19PR	Off-Peak Summer kWh	0.0359	0.02165	0.05755	0.05843	kWh	Summer
E19PR	Off-Peak Winter kWh	0.04248	0.02165	0.06413	0.06511	kWh	Winter
E19PR	Part-Peak Summer kWh	0.09648	0.02165	0.11813	0.11993	kWh	Summer
E19PR	Part-Peak Winter kWh	0.05693	0.02165	0.07858	0.07978	kWh	Winter
E19PR	Peak Summer kWh	0.25214	0.02165	0.27379	0.27796	kWh	Summer



E19S	Max Part-Peak Demand Summer kW	3.3687	0	3.3687	3.42	kW	Summer
E19S	Max Peak Demand Summer kW	13.6521	0	13.6521	13.86	kW	Summer
E19S	Off-Peak Summer kWh	0.04121	0.02165	0.06286	0.06382	kWh	Summer
E19S	Off-Peak Winter kWh	0.0484	0.02165	0.07005	0.07112	kWh	Winter
E19S	Part-Peak Summer kWh	0.07019	0.02165	0.09184	0.09324	kWh	Summer
E19S	Part-Peak Winter kWh	0.06419	0.02165	0.08584	0.08715	kWh	Winter
E19S	Peak Summer kWh	0.11395	0.02165	0.1356	0.13766	kWh	Summer
E19SR	Off-Peak Summer kWh	0.04121	0.02165	0.06286	0.06382	kWh	Summer
E19SR	Off-Peak Winter kWh	0.0484	0.02165	0.07005	0.07112	kWh	Winter
E19SR	Part-Peak Summer kWh	0.10533	0.02165	0.12698	0.12891	kWh	Summer
E19SR	Part-Peak Winter kWh	0.06419	0.02165	0.08584	0.08715	kWh	Winter
E19SR	Peak Summer kWh	0.26497	0.02165	0.28662	0.29098	kWh	Summer



E19T	Max Part-Peak Demand Summer kW	3.47705	0	3.47705	3.53	kW	Summer
E19T	Max Peak Demand Summer kW	13.8491	0	13.8491	14.06	kW	Summer
E19T	Off-Peak Summer kWh	0.03528	0.02165	0.05693	0.0578	kWh	Summer
E19T	Off-Peak Winter kWh	0.0418	0.02165	0.06345	0.06442	kWh	Winter
E19T	Part-Peak Summer kWh	0.05389	0.02165	0.07554	0.07669	kWh	Summer
E19T	Part-Peak Winter kWh	0.0561	0.02165	0.07775	0.07893	kWh	Winter
E19T	Peak Summer kWh	0.06795	0.02165	0.0896	0.09096	kWh	Summer
E19TR	Off-Peak Summer kWh	0.03528	0.02165	0.05693	0.0578	kWh	Summer
E19TR	Off-Peak Winter kWh	0.0418	0.02165	0.06345	0.06442	kWh	Winter
E19TR	Part-Peak Summer kWh	0.09708	0.02165	0.11873	0.12054	kWh	Summer
E19TR	Part-Peak Winter kWh	0.0561	0.02165	0.07775	0.07893	kWh	Winter
E19TR	Peak Summer kWh	0.25106	0.02165	0.27271	0.27686	kWh	Summer



E20P	Max Part-Peak Demand Summer kW	3.4278	0	3.4278	3.48	kW	Summer
E20P	Max Peak Demand Summer kW	14.4992	0	14.4992	14.72	kW	Summer
E20P	Off-Peak Summer kWh	0.03854	0.01944	0.05798	0.05886	kWh	Summer
E20P	Off-Peak Winter kWh	0.04516	0.01944	0.0646	0.06558	kWh	Winter
E20P	Part-Peak Summer kWh	0.0655	0.01944	0.08494	0.08623	kWh	Summer
E20P	Part-Peak Winter kWh	0.05972	0.01944	0.07916	0.08037	kWh	Winter
E20P	Peak Summer kWh	0.10933	0.01944	0.12877	0.13073	kWh	Summer
E20PR	Off-Peak Summer kWh	0.03854	0.01944	0.05798	0.05886	kWh	Summer
E20PR	Off-Peak Winter kWh	0.04516	0.01944	0.0646	0.06558	kWh	Winter
E20PR	Part-Peak Summer kWh	0.09833	0.01944	0.11777	0.11956	kWh	Summer
E20PR	Part-Peak Winter kWh	0.05972	0.01944	0.07916	0.08037	kWh	Winter
E20PR	Peak Summer kWh	0.25862	0.01944	0.27806	0.28229	kWh	Summer



E20S	Max Part-Peak Demand Summer kW	3.26035	0	3.26035	3.31	kW	Summer
E20S	Max Peak Demand Summer kW	13.20885	0	13.20885	13.41	kW	Summer
E20S	Off-Peak Summer kWh	0.03803	0.02083	0.05886	0.05976	kWh	Summer
E20S	Off-Peak Winter kWh	0.04476	0.02083	0.06559	0.06659	kWh	Winter
E20S	Part-Peak Summer kWh	0.06533	0.02083	0.08616	0.08747	kWh	Summer
E20S	Part-Peak Winter kWh	0.05956	0.02083	0.08039	0.08161	kWh	Winter
E20S	Peak Summer kWh	0.10509	0.02083	0.12592	0.12784	kWh	Summer
E20SR	Off-Peak Summer kWh	0.03803	0.02083	0.05886	0.05976	kWh	Summer
E20SR	Off-Peak Winter kWh	0.04476	0.02083	0.06559	0.06659	kWh	Winter
E20SR	Part-Peak Summer kWh	0.09803	0.02083	0.11886	0.12067	kWh	Summer
E20SR	Part-Peak Winter kWh	0.05956	0.02083	0.08039	0.08161	kWh	Winter
E20SR	Peak Summer kWh	0.24033	0.02083	0.26116	0.26514	kWh	Summer



E20T	Max Part-Peak Demand Summer kW	4.08775	0	4.08775	4.15	kW	Summer
E20T	Max Peak Demand Summer kW	17.1587	0	17.1587	17.42	kW	Summer
E20T	Off-Peak Summer kWh	0.03566	0.01786	0.05352	0.05434	kWh	Summer
E20T	Off-Peak Winter kWh	0.04179	0.01786	0.05965	0.06056	kWh	Winter
E20T	Part-Peak Summer kWh	0.05315	0.01786	0.07101	0.07209	kWh	Summer
E20T	Part-Peak Winter kWh	0.05523	0.01786	0.07309	0.0742	kWh	Winter
E20T	Peak Summer kWh	0.06636	0.01786	0.08422	0.0855	kWh	Summer
E20TR	Off-Peak Summer kWh	0.03566	0.01786	0.05352	0.05434	kWh	Summer
E20TR	Off-Peak Winter kWh	0.04179	0.01786	0.05965	0.06056	kWh	Winter
E20TR	Part-Peak Summer kWh	0.09239	0.01786	0.11025	0.11193	kWh	Summer
E20TR	Part-Peak Winter kWh	0.05523	0.01786	0.07309	0.0742	kWh	Winter
E20TR	Peak Summer kWh	0.25166	0.01786	0.26952	0.27362	kWh	Summer



E37	Max Demand Summer kW	4.79695	0	4.79695	4.87	kW	Summer
E37	Max Peak Demand Summer kW	6.0085	0	6.0085	6.1	kW	Summer
E37	Off-Peak Summer kWh	0.02751	0.02516	0.05267	0.05347	kWh	Summer
E37	Off-Peak Winter kWh	0.01854	0.02516	0.0437	0.04437	kWh	Winter
E37	Part-Peak Winter kWh	0.04918	0.02516	0.07434	0.07547	kWh	Winter
E37	Peak Summer kWh	0.13149	0.02516	0.15665	0.15904	kWh	Summer
E6	Off-Peak Summer kWh	0.04364	0.03401	0.07765	0.07883	kWh	Summer
E6	Off-Peak Winter kWh	0.05634	0.03401	0.09035	0.09173	kWh	Winter
E6	Part-Peak Summer kWh	0.08901	0.03401	0.12302	0.12489	kWh	Summer
E6	Part-Peak Winter kWh	0.06882	0.03401	0.10283	0.1044	kWh	Winter
E6	Peak Summer kWh	0.20016	0.03401	0.23417	0.23774	kWh	Summer
ETOUA	Off-Peak Summer kWh	0.0792	0.03401	0.11321	0.11493	kWh	Summer



ETOUA	Off-Peak Winter kWh	0.05353	0.03401	0.08754	0.08887	kWh	Winter
ETOUA	Peak Summer kWh	0.15363	0.03401	0.18764	0.1905	kWh	Summer
ETOUA	Peak Winter kWh	0.0676	0.03401	0.10161	0.10316	kWh	Winter
ETOUB	Off-Peak Summer kWh	0.07367	0.03401	0.10768	0.10932	kWh	Summer
ETOUB	Off-Peak Winter kWh	0.05143	0.03401	0.08544	0.08674	kWh	Winter
ETOUB	Peak Summer kWh	0.17518	0.03401	0.20919	0.21238	kWh	Summer
ETOUB	Peak Winter kWh	0.06995	0.03401	0.10396	0.10554	kWh	Winter
ETOUC 3	Off-Peak Summer kWh	0.06745	0.03401	0.10146	0.10301	kWh	Summer
ETOUC 3	Off-Peak Winter kWh	0.05726	0.03401	0.09127	0.09266	kWh	Winter
ETOUC 3	Peak Summer kWh	0.12994	0.03401	0.16395	0.16645	kWh	Summer
ETOUC 3	Peak Winter kWh	0.07433	0.03401	0.10834	0.10999	kWh	Winter



ETOUP 1	Off-Peak Summer kWh	0.06178	0.03401	0.09579	0.09725	kWh	Summer
ETOUP 1	Off-Peak Winter kWh	0.03955	0.03401	0.07356	0.07468	kWh	Winter
ETOUP 1	Peak Summer kWh	0.1633	0.03401	0.19731	0.20031	kWh	Summer
ETOUP 1	Peak Winter kWh	0.05807	0.03401	0.09208	0.09348	kWh	Winter
ETOUP 2	Off-Peak Summer kWh	0.04833	0.03401	0.08234	0.08359	kWh	Summer
ETOUP 2	Off-Peak Winter kWh	0.03743	0.03401	0.07144	0.07253	kWh	Winter
ETOUP 2	Part-Peak Summer kWh	0.11967	0.03401	0.15368	0.15602	kWh	Summer
ETOUP 2	Peak Summer kWh	0.17965	0.03401	0.21366	0.21691	kWh	Summer
ETOUP 2	Peak Winter kWh	0.05716	0.03401	0.09117	0.09256	kWh	Winter
ETOUP 3	Off-Peak Spring kWh	0.03809	0.03401	0.0721	0.0732	kWh	Spring



ETOUP 3	Off-Peak Summer kWh	0.06207	0.03401	0.09608	0.09754	kWh	Summer
ETOUP 3	Off-Peak Winter kWh	0.04386	0.03401	0.07787	0.07906	kWh	Winter
ETOUP 3	Peak Spring kWh	0.05024	0.03401	0.08425	0.08553	kWh	Spring
ETOUP 3	Peak Summer kWh	0.16358	0.03401	0.19759	0.2006	kWh	Summer
ETOUP 3	Peak Winter kWh	0.06253	0.03401	0.09654	0.09801	kWh	Winter
ETOUP 3	Super-Off-Peak Spring kWh	0.01205	0.03401	0.04606	0.04676	kWh	Spring
EV	Off-Peak Summer kWh	0.02485	0.03401	0.05886	0.05976	kWh	Summer
EV	Off-Peak Winter kWh	0.02704	0.03401	0.06105	0.06198	kWh	Winter
EV	Part-Peak Summer kWh	0.08312	0.03401	0.11713	0.11891	kWh	Summer
EV	Part-Peak Winter kWh	0.02274	0.03401	0.05675	0.05761	kWh	Winter
EV	Peak Summer kWh	0.20903	0.03401	0.24304	0.24674	kWh	Summer



EV	Peak Winter kWh	0.05681	0.03401	0.09082	0.0922	kWh	Winter
LS	Flat kWh	0.07972	0.0065	0.08622	0.08753	kWh	All
STOUP	Off-Peak Summer kWh	0.05587	0.01246	0.06833	0.06937	kWh	Summer
STOUP	Off-Peak Winter kWh	0.06364	0.01246	0.0761	0.07726	kWh	Winter
STOUP	Part-Peak Summer kWh	0.07826	0.01246	0.09072	0.0921	kWh	Summer
STOUP	Part-Peak Winter kWh	0.08099	0.01246	0.09345	0.09487	kWh	Winter
STOUP	Peak Summer kWh	0.09537	0.01246	0.10783	0.10947	kWh	Summer
STOUP	Reservation Charge kW	0.4137	0	0.4137	0.42	kW	All
STOUS	Off-Peak Summer kWh	0.05587	0.01246	0.06833	0.06937	kWh	Summer
STOUS	Off-Peak Winter kWh	0.06364	0.01246	0.0761	0.07726	kWh	Winter
STOUS	Part-Peak Summer kWh	0.07826	0.01246	0.09072	0.0921	kWh	Summer
STOUS	Part-Peak Winter kWh	0.08099	0.01246	0.09345	0.09487	kWh	Winter



Attachment 5A Exhibit A

STOUS	Peak Summer kWh	0.09537	0.01246	0.10783	0.10947	kWh	Summer
STOUS	Reservation Charge kW	0.4137	0	0.4137	0.42	kW	All
STOUT	Off-Peak Summer kWh	0.04507	0.01246	0.05753	0.05841	kWh	Summer
STOUT	Off-Peak Winter kWh	0.05167	0.01246	0.06413	0.06511	kWh	Winter
STOUT	Part-Peak Summer kWh	0.06387	0.01246	0.07633	0.07749	kWh	Summer
STOUT	Part-Peak Winter kWh	0.0661	0.01246	0.07856	0.07976	kWh	Winter
STOUT	Peak Summer kWh	0.07808	0.01246	0.09054	0.09192	kWh	Summer
STOUT	Reservation Charge kW	0.34475	0	0.34475	0.35	kW	All
TC1	Flat kWh	0.08711	0.0065	0.09361	0.09504	kWh	All



Brilliant 100

Rate	Billing Determinant Name	EBCE Rate	System Fees	Total Rate	PG&E 2018 Rate	Unit	Season
A1	Summer kWh	0.10042	0.02528	0.1257	0.1257	kWh	Summer
A1	Winter kWh	0.0612	0.02528	0.08648	0.08648	kWh	Winter
A10P	Max Demand Summer kW	4.7	0	4.7	4.7	kW	Summer
A10P	Summer kWh	0.08052	0.02568	0.1062	0.1062	kWh	Summer
A10P	Winter kWh	0.05714	0.02568	0.08282	0.08282	kWh	Winter
A10PX	Max Demand Summer kW	4.7	0	4.7	4.7	kW	Summer
A10PX	Off-Peak Summer kWh	0.05526	0.02568	0.08094	0.08094	kWh	Summer
A10PX	Off-Peak Winter kWh	0.05231	0.02568	0.07799	0.07799	kWh	Winter
A10PX	Part-Peak Summer kWh	0.08189	0.02568	0.10757	0.10757	kWh	Summer



Attachment 5B Exhibit A

A10PX	Part-Peak Winter kWh	0.06819	0.02568	0.09387	0.09387	kWh	Winter
A10PX	Peak Summer kWh	0.13245	0.02568	0.15813	0.15813	kWh	Summer
A10S	Max Demand Summer kW	5.41	0	5.41	5.41	kW	Summer
A10S	Summer kWh	0.09046	0.02568	0.11614	0.11614	kWh	Summer
A10S	Winter kWh	0.06348	0.02568	0.08916	0.08916	kWh	Winter
A10SX	Max Demand Summer kW	5.41	0	5.41	5.41	kW	Summer
A10SX	Off-Peak Summer kWh	0.06114	0.02568	0.08682	0.08682	kWh	Summer
A10SX	Off-Peak Winter kWh	0.0562	0.02568	0.08188	0.08188	kWh	Winter
A10SX	Part-Peak Summer kWh	0.08921	0.02568	0.11489	0.11489	kWh	Summer
A10SX	Part-Peak Winter kWh	0.07327	0.02568	0.09895	0.09895	kWh	Winter
A10SX	Peak Summer kWh	0.14434	0.02568	0.17002	0.17002	kWh	Summer
A10T	Max Demand Summer kW	3.69	0	3.69	3.69	kW	Summer



A10T	Summer kWh	0.0707	0.02568	0.09638	0.09638	kWh	Summer
A10T	Winter kWh	0.0504	0.02568	0.07608	0.07608	kWh	Winter
A10TX	Max Demand Summer kW	3.69	0	3.69	3.69	kW	Summer
A10TX	Off-Peak Summer kWh	0.04604	0.02568	0.07172	0.07172	kWh	Summer
A10TX	Off-Peak Winter kWh	0.04498	0.02568	0.07066	0.07066	kWh	Winter
A10TX	Part-Peak Summer kWh	0.07135	0.02568	0.09703	0.09703	kWh	Summer
A10TX	Part-Peak Winter kWh	0.05956	0.02568	0.08524	0.08524	kWh	Winter
A10TX	Peak Summer kWh	0.11822	0.02568	0.1439	0.1439	kWh	Summer
A15	Summer kWh	0.10042	0.02528	0.1257	0.1257	kWh	Summer
A15	Winter kWh	0.0612	0.02528	0.08648	0.08648	kWh	Winter
A1X	Off-Peak Summer kWh	0.06356	0.02528	0.08884	0.08884	kWh	Summer
A1X	Off-Peak Winter kWh	0.0698	0.02528	0.09508	0.09508	kWh	Winter



Attachment 5B Exhibit A

A1X	Part-Peak Summer kWh	0.09091	0.02528	0.11619	0.11619	kWh	Summer
A1X	Part-Peak Winter kWh	0.09072	0.02528	0.116	0.116	kWh	Winter
A1X	Peak Summer kWh	0.11456	0.02528	0.13984	0.13984	kWh	Summer
A6	Off-Peak Summer kWh	0.05429	0.02528	0.07957	0.07957	kWh	Summer
A6	Off-Peak Winter kWh	0.06226	0.02528	0.08754	0.08754	kWh	Winter
A6	Part-Peak Summer kWh	0.11258	0.02528	0.13786	0.13786	kWh	Summer
A6	Part-Peak Winter kWh	0.07975	0.02528	0.10503	0.10503	kWh	Winter
A6	Peak Summer kWh	0.35216	0.02528	0.37744	0.37744	kWh	Summer
AG1A	Connected Load Summer kW	1.49	0	1.49	1.49	kW	Summer
AG1A	Summer kWh	0.08358	0.02516	0.10874	0.10874	kWh	Summer
AG1A	Winter kWh	0.06205	0.02516	0.08721	0.08721	kWh	Winter
AG1B	Max Demand Summer kW	2.24	0	2.24	2.24	kW	Summer



Attachment 5B Exhibit A

AG1B	Summer kWh	0.08682	0.02516	0.11198	0.11198	kWh	Summer
AG1B	Winter kWh	0.06213	0.02516	0.08729	0.08729	kWh	Winter
AG4A	Connected Load Summer kW	1.48	0	1.48	1.48	kW	Summer
AG4A	Off-Peak Summer kWh	0.04995	0.02516	0.07511	0.07511	kWh	Summer
AG4A	Off-Peak Winter kWh	0.04266	0.02516	0.06782	0.06782	kWh	Winter
AG4A	Part-Peak Winter kWh	0.05444	0.02516	0.0796	0.0796	kWh	Winter
AG4A	Peak Summer kWh	0.14883	0.02516	0.17399	0.17399	kWh	Summer
AG4B	Max Demand Summer kW	2.62	0	2.62	2.62	kW	Summer
AG4B	Max Peak Demand Summer kW	2.78	0	2.78	2.78	kW	Summer
AG4B	Off-Peak Summer kWh	0.05218	0.02516	0.07734	0.07734	kWh	Summer
AG4B	Off-Peak Winter kWh	0.03901	0.02516	0.06417	0.06417	kWh	Winter
AG4B	Part-Peak Winter kWh	0.05026	0.02516	0.07542	0.07542	kWh	Winter



AG4B	Peak Summer kWh	0.10809	0.02516	0.13325	0.13325	kWh	Summer
AG4C	Max Part-Peak Demand Summer kW	1.1	0	1.1	1.1	kW	Summer
AG4C	Max Peak Demand Summer kW	6.45	0	6.45	6.45	kW	Summer
AG4C	Off-Peak Summer kWh	0.03765	0.02516	0.06281	0.06281	kWh	Summer
AG4C	Off-Peak Winter kWh	0.03412	0.02516	0.05928	0.05928	kWh	Winter
AG4C	Part-Peak Summer kWh	0.06189	0.02516	0.08705	0.08705	kWh	Summer
AG4C	Part-Peak Winter kWh	0.04453	0.02516	0.06969	0.06969	kWh	Winter
AG4C	Peak Summer kWh	0.12861	0.02516	0.15377	0.15377	kWh	Summer
AG5A	Connected Load Summer kW	4.05	0	4.05	4.05	kW	Summer
AG5A	Off-Peak Summer kWh	0.05535	0.02516	0.08051	0.08051	kWh	Summer
AG5A	Off-Peak Winter kWh	0.04675	0.02516	0.07191	0.07191	kWh	Winter
AG5A	Part-Peak Winter kWh	0.05916	0.02516	0.08432	0.08432	kWh	Winter



Attachment 5B Exhibit A

AG5A	Peak Summer kWh	0.13767	0.02516	0.16283	0.16283	kWh	Summer
AG5B	Max Demand Summer kW	4.87	0	4.87	4.87	kW	Summer
AG5B	Max Peak Demand Summer kW	6.1	0	6.1	6.1	kW	Summer
AG5B	Off-Peak Summer kWh	0.02831	0.02516	0.05347	0.05347	kWh	Summer
AG5B	Off-Peak Winter kWh	0.01921	0.02516	0.04437	0.04437	kWh	Winter
AG5B	Part-Peak Winter kWh	0.05031	0.02516	0.07547	0.07547	kWh	Winter
AG5B	Peak Summer kWh	0.13388	0.02516	0.15904	0.15904	kWh	Summer
AG5C	Max Part-Peak Demand Summer kW	2.13	0	2.13	2.13	kW	Summer
AG5C	Max Peak Demand Summer kW	11.31	0	11.31	11.31	kW	Summer
AG5C	Off-Peak Summer kWh	0.03022	0.02516	0.05538	0.05538	kWh	Summer
AG5C	Off-Peak Winter kWh	0.02701	0.02516	0.05217	0.05217	kWh	Winter
AG5C	Part-Peak Summer kWh	0.05096	0.02516	0.07612	0.07612	kWh	Summer



AG5C	Part-Peak Winter kWh	0.03643	0.02516	0.06159	0.06159	kWh	Winter
AG5C	Peak Summer kWh	0.10667	0.02516	0.13183	0.13183	kWh	Summer
AGRA	Connected Load Summer kW	1.44	0	1.44	1.44	kW	Summer
AGRA	Off-Peak Summer kWh	0.04856	0.02516	0.07372	0.07372	kWh	Summer
AGRA	Off-Peak Winter kWh	0.04423	0.02516	0.06939	0.06939	kWh	Winter
AGRA	Part-Peak Winter kWh	0.05636	0.02516	0.08152	0.08152	kWh	Winter
AGRA	Peak Summer kWh	0.26753	0.02516	0.29269	0.29269	kWh	Summer
AGRB	Max Demand Summer kW	2.13	0	2.13	2.13	kW	Summer
AGRB	Max Peak Demand Summer kW	2.39	0	2.39	2.39	kW	Summer
AGRB	Off-Peak Summer kWh	0.04801	0.02516	0.07317	0.07317	kWh	Summer
AGRB	Off-Peak Winter kWh	0.03201	0.02516	0.05717	0.05717	kWh	Winter
AGRB	Part-Peak Winter kWh	0.04197	0.02516	0.06713	0.06713	kWh	Winter



AGRB	Peak Summer kWh	0.23916	0.02516	0.26432	0.26432	kWh	Summer
AGVA	Connected Load Summer kW	1.5	0	1.5	1.5	kW	Summer
AGVA	Off-Peak Summer kWh	0.04558	0.02516	0.07074	0.07074	kWh	Summer
AGVA	Off-Peak Winter kWh	0.04281	0.02516	0.06797	0.06797	kWh	Winter
AGVA	Part-Peak Winter kWh	0.05469	0.02516	0.07985	0.07985	kWh	Winter
AGVA	Peak Summer kWh	0.23094	0.02516	0.2561	0.2561	kWh	Summer
AGVB	Max Demand Summer kW	1.95	0	1.95	1.95	kW	Summer
AGVB	Max Peak Demand Summer kW	2.51	0	2.51	2.51	kW	Summer
AGVB	Off-Peak Summer kWh	0.04602	0.02516	0.07118	0.07118	kWh	Summer
AGVB	Off-Peak Winter kWh	0.03221	0.02516	0.05737	0.05737	kWh	Winter
AGVB	Part-Peak Winter kWh	0.04222	0.02516	0.06738	0.06738	kWh	Winter
AGVB	Peak Summer kWh	0.21133	0.02516	0.23649	0.23649	kWh	Summer



E1	Flat kWh	0.07379	0.03401	0.1078	0.1078	kWh	All
E19P	Max Part-Peak Demand Summer kW	3.01	0	3.01	3.01	kW	Summer
E19P	Max Peak Demand Summer kW	12.37	0	12.37	12.37	kW	Summer
E19P	Off-Peak Summer kWh	0.03678	0.02165	0.05843	0.05843	kWh	Summer
E19P	Off-Peak Winter kWh	0.04346	0.02165	0.06511	0.06511	kWh	Winter
E19P	Part-Peak Summer kWh	0.06381	0.02165	0.08546	0.08546	kWh	Summer
E19P	Part-Peak Winter kWh	0.05813	0.02165	0.07978	0.07978	kWh	Winter
E19P	Peak Summer kWh	0.10586	0.02165	0.12751	0.12751	kWh	Summer
E19PR	Off-Peak Summer kWh	0.03678	0.02165	0.05843	0.05843	kWh	Summer
E19PR	Off-Peak Winter kWh	0.04346	0.02165	0.06511	0.06511	kWh	Winter
E19PR	Part-Peak Summer kWh	0.09828	0.02165	0.11993	0.11993	kWh	Summer
E19PR	Part-Peak Winter kWh	0.05813	0.02165	0.07978	0.07978	kWh	Winter



E19PR	Peak Summer kWh	0.25631	0.02165	0.27796	0.27796	kWh	Summer
E19S	Max Part-Peak Demand Summer kW	3.42	0	3.42	3.42	kW	Summer
E19S	Max Peak Demand Summer kW	13.86	0	13.86	13.86	kW	Summer
E19S	Off-Peak Summer kWh	0.04217	0.02165	0.06382	0.06382	kWh	Summer
E19S	Off-Peak Winter kWh	0.04947	0.02165	0.07112	0.07112	kWh	Winter
E19S	Part-Peak Summer kWh	0.07159	0.02165	0.09324	0.09324	kWh	Summer
E19S	Part-Peak Winter kWh	0.0655	0.02165	0.08715	0.08715	kWh	Winter
E19S	Peak Summer kWh	0.11601	0.02165	0.13766	0.13766	kWh	Summer
E19SR	Off-Peak Summer kWh	0.04217	0.02165	0.06382	0.06382	kWh	Summer
E19SR	Off-Peak Winter kWh	0.04947	0.02165	0.07112	0.07112	kWh	Winter
E19SR	Part-Peak Summer kWh	0.10726	0.02165	0.12891	0.12891	kWh	Summer
E19SR	Part-Peak Winter kWh	0.0655	0.02165	0.08715	0.08715	kWh	Winter



E19SR	Peak Summer kWh	0.26933	0.02165	0.29098	0.29098	kWh	Summer
E19T	Max Part-Peak Demand Summer kW	3.53	0	3.53	3.53	kW	Summer
E19T	Max Peak Demand Summer kW	14.06	0	14.06	14.06	kW	Summer
E19T	Off-Peak Summer kWh	0.03615	0.02165	0.0578	0.0578	kWh	Summer
E19T	Off-Peak Winter kWh	0.04277	0.02165	0.06442	0.06442	kWh	Winter
E19T	Part-Peak Summer kWh	0.05504	0.02165	0.07669	0.07669	kWh	Summer
E19T	Part-Peak Winter kWh	0.05728	0.02165	0.07893	0.07893	kWh	Winter
E19T	Peak Summer kWh	0.06931	0.02165	0.09096	0.09096	kWh	Summer
E19TR	Off-Peak Summer kWh	0.03615	0.02165	0.0578	0.0578	kWh	Summer
E19TR	Off-Peak Winter kWh	0.04277	0.02165	0.06442	0.06442	kWh	Winter
E19TR	Part-Peak Summer kWh	0.09889	0.02165	0.12054	0.12054	kWh	Summer
E19TR	Part-Peak Winter kWh	0.05728	0.02165	0.07893	0.07893	kWh	Winter



E19TR	Peak Summer kWh	0.25521	0.02165	0.27686	0.27686	kWh	Summer
E20P	Max Part-Peak Demand Summer kW	3.48	0	3.48	3.48	kW	Summer
E20P	Max Peak Demand Summer kW	14.72	0	14.72	14.72	kW	Summer
E20P	Off-Peak Summer kWh	0.03942	0.01944	0.05886	0.05886	kWh	Summer
E20P	Off-Peak Winter kWh	0.04614	0.01944	0.06558	0.06558	kWh	Winter
E20P	Part-Peak Summer kWh	0.06679	0.01944	0.08623	0.08623	kWh	Summer
E20P	Part-Peak Winter kWh	0.06093	0.01944	0.08037	0.08037	kWh	Winter
E20P	Peak Summer kWh	0.11129	0.01944	0.13073	0.13073	kWh	Summer
E20PR	Off-Peak Summer kWh	0.03942	0.01944	0.05886	0.05886	kWh	Summer
E20PR	Off-Peak Winter kWh	0.04614	0.01944	0.06558	0.06558	kWh	Winter
E20PR	Part-Peak Summer kWh	0.10012	0.01944	0.11956	0.11956	kWh	Summer
E20PR	Part-Peak Winter kWh	0.06093	0.01944	0.08037	0.08037	kWh	Winter



E20PR	Peak Summer kWh	0.26285	0.01944	0.28229	0.28229	kWh	Summer
E20S	Max Part-Peak Demand Summer kW	3.31	0	3.31	3.31	kW	Summer
E20S	Max Peak Demand Summer kW	13.41	0	13.41	13.41	kW	Summer
E20S	Off-Peak Summer kWh	0.03893	0.02083	0.05976	0.05976	kWh	Summer
E20S	Off-Peak Winter kWh	0.04576	0.02083	0.06659	0.06659	kWh	Winter
E20S	Part-Peak Summer kWh	0.06664	0.02083	0.08747	0.08747	kWh	Summer
E20S	Part-Peak Winter kWh	0.06078	0.02083	0.08161	0.08161	kWh	Winter
E20S	Peak Summer kWh	0.10701	0.02083	0.12784	0.12784	kWh	Summer
E20SR	Off-Peak Summer kWh	0.03893	0.02083	0.05976	0.05976	kWh	Summer
E20SR	Off-Peak Winter kWh	0.04576	0.02083	0.06659	0.06659	kWh	Winter
E20SR	Part-Peak Summer kWh	0.09984	0.02083	0.12067	0.12067	kWh	Summer
E20SR	Part-Peak Winter kWh	0.06078	0.02083	0.08161	0.08161	kWh	Winter



E20SR	Peak Summer kWh	0.24431	0.02083	0.26514	0.26514	kWh	Summer
E20T	Max Part-Peak Demand Summer kW	4.15	0	4.15	4.15	kW	Summer
E20T	Max Peak Demand Summer kW	17.42	0	17.42	17.42	kW	Summer
E20T	Off-Peak Summer kWh	0.03648	0.01786	0.05434	0.05434	kWh	Summer
E20T	Off-Peak Winter kWh	0.0427	0.01786	0.06056	0.06056	kWh	Winter
E20T	Part-Peak Summer kWh	0.05423	0.01786	0.07209	0.07209	kWh	Summer
E20T	Part-Peak Winter kWh	0.05634	0.01786	0.0742	0.0742	kWh	Winter
E20T	Peak Summer kWh	0.06764	0.01786	0.0855	0.0855	kWh	Summer
E20TR	Off-Peak Summer kWh	0.03648	0.01786	0.05434	0.05434	kWh	Summer
E20TR	Off-Peak Winter kWh	0.0427	0.01786	0.06056	0.06056	kWh	Winter
E20TR	Part-Peak Summer kWh	0.09407	0.01786	0.11193	0.11193	kWh	Summer
E20TR	Part-Peak Winter kWh	0.05634	0.01786	0.0742	0.0742	kWh	Winter



E20TR	Peak Summer kWh	0.25576	0.01786	0.27362	0.27362	kWh	Summer
E37	Max Demand Summer kW	4.87	0	4.87	4.87	kW	Summer
E37	Max Peak Demand Summer kW	6.1	0	6.1	6.1	kW	Summer
E37	Off-Peak Summer kWh	0.02831	0.02516	0.05347	0.05347	kWh	Summer
E37	Off-Peak Winter kWh	0.01921	0.02516	0.04437	0.04437	kWh	Winter
E37	Part-Peak Winter kWh	0.05031	0.02516	0.07547	0.07547	kWh	Winter
E37	Peak Summer kWh	0.13388	0.02516	0.15904	0.15904	kWh	Summer
E6	Off-Peak Summer kWh	0.04482	0.03401	0.07883	0.07883	kWh	Summer
E6	Off-Peak Winter kWh	0.05772	0.03401	0.09173	0.09173	kWh	Winter
E6	Part-Peak Summer kWh	0.09088	0.03401	0.12489	0.12489	kWh	Summer
E6	Part-Peak Winter kWh	0.07039	0.03401	0.1044	0.1044	kWh	Winter
E6	Peak Summer kWh	0.20373	0.03401	0.23774	0.23774	kWh	Summer



Attachment 5B Exhibit A

ETOUA	Off-Peak Summer kWh	0.08092	0.03401	0.11493	0.11493	kWh	Summer
ETOUA	Off-Peak Winter kWh	0.05486	0.03401	0.08887	0.08887	kWh	Winter
ETOUA	Peak Summer kWh	0.15649	0.03401	0.1905	0.1905	kWh	Summer
ETOUA	Peak Winter kWh	0.06915	0.03401	0.10316	0.10316	kWh	Winter
ETOUB	Off-Peak Summer kWh	0.07531	0.03401	0.10932	0.10932	kWh	Summer
ETOUB	Off-Peak Winter kWh	0.05273	0.03401	0.08674	0.08674	kWh	Winter
ETOUB	Peak Summer kWh	0.17837	0.03401	0.21238	0.21238	kWh	Summer
ETOUB	Peak Winter kWh	0.07153	0.03401	0.10554	0.10554	kWh	Winter
ETOUC3	Off-Peak Summer kWh	0.069	0.03401	0.10301	0.10301	kWh	Summer
ETOUC3	Off-Peak Winter kWh	0.05865	0.03401	0.09266	0.09266	kWh	Winter
ETOUC3	Peak Summer kWh	0.13244	0.03401	0.16645	0.16645	kWh	Summer
ETOUC3	Peak Winter kWh	0.07598	0.03401	0.10999	0.10999	kWh	Winter



ETOUP1	Off-Peak Summer kWh	0.06324	0.03401	0.09725	0.09725	kWh	Summer
ETOUP1	Off-Peak Winter kWh	0.04067	0.03401	0.07468	0.07468	kWh	Winter
ETOUP1	Peak Summer kWh	0.1663	0.03401	0.20031	0.20031	kWh	Summer
ETOUP1	Peak Winter kWh	0.05947	0.03401	0.09348	0.09348	kWh	Winter
ETOUP2	Off-Peak Summer kWh	0.04958	0.03401	0.08359	0.08359	kWh	Summer
ETOUP2	Off-Peak Winter kWh	0.03852	0.03401	0.07253	0.07253	kWh	Winter
ETOUP2	Part-Peak Summer kWh	0.12201	0.03401	0.15602	0.15602	kWh	Summer
ETOUP2	Peak Summer kWh	0.1829	0.03401	0.21691	0.21691	kWh	Summer
ETOUP2	Peak Winter kWh	0.05855	0.03401	0.09256	0.09256	kWh	Winter
ETOUP3	Off-Peak Spring kWh	0.03919	0.03401	0.0732	0.0732	kWh	Spring
ETOUP3	Off-Peak Summer kWh	0.06353	0.03401	0.09754	0.09754	kWh	Summer
ETOUP3	Off-Peak Winter kWh	0.04505	0.03401	0.07906	0.07906	kWh	Winter



ETOUP3	Peak Spring kWh	0.05152	0.03401	0.08553	0.08553	kWh	Spring
ETOUP3	Peak Summer kWh	0.16659	0.03401	0.2006	0.2006	kWh	Summer
ETOUP3	Peak Winter kWh	0.064	0.03401	0.09801	0.09801	kWh	Winter
ETOUP3	Super-Off-Peak Spring kWh	0.01275	0.03401	0.04676	0.04676	kWh	Spring
EV	Off-Peak Summer kWh	0.02575	0.03401	0.05976	0.05976	kWh	Summer
EV	Off-Peak Winter kWh	0.02797	0.03401	0.06198	0.06198	kWh	Winter
EV	Part-Peak Summer kWh	0.0849	0.03401	0.11891	0.11891	kWh	Summer
EV	Part-Peak Winter kWh	0.0236	0.03401	0.05761	0.05761	kWh	Winter
EV	Peak Summer kWh	0.21273	0.03401	0.24674	0.24674	kWh	Summer
EV	Peak Winter kWh	0.05819	0.03401	0.0922	0.0922	kWh	Winter
LS	Flat kWh	0.08103	0.0065	0.08753	0.08753	kWh	All
STOUP	Off-Peak Summer kWh	0.05691	0.01246	0.06937	0.06937	kWh	Summer



STOUP	Off-Peak Winter kWh	0.0648	0.01246	0.07726	0.07726	kWh	Winter
STOUP	Part-Peak Summer kWh	0.07964	0.01246	0.0921	0.0921	kWh	Summer
STOUP	Part-Peak Winter kWh	0.08241	0.01246	0.09487	0.09487	kWh	Winter
STOUP	Peak Summer kWh	0.09701	0.01246	0.10947	0.10947	kWh	Summer
STOUP	Reservation Charge kW	0.42	0	0.42	0.42	kW	All
STOUS	Off-Peak Summer kWh	0.05691	0.01246	0.06937	0.06937	kWh	Summer
STOUS	Off-Peak Winter kWh	0.0648	0.01246	0.07726	0.07726	kWh	Winter
STOUS	Part-Peak Summer kWh	0.07964	0.01246	0.0921	0.0921	kWh	Summer
STOUS	Part-Peak Winter kWh	0.08241	0.01246	0.09487	0.09487	kWh	Winter
STOUS	Peak Summer kWh	0.09701	0.01246	0.10947	0.10947	kWh	Summer
STOUS	Reservation Charge kW	0.42	0	0.42	0.42	kW	All
STOUT	Off-Peak Summer kWh	0.04595	0.01246	0.05841	0.05841	kWh	Summer



Attachment 5B Exhibit A

STOUT	Off-Peak Winter kWh	0.05265	0.01246	0.06511	0.06511	kWh	Winter
STOUT	Part-Peak Summer kWh	0.06503	0.01246	0.07749	0.07749	kWh	Summer
STOUT	Part-Peak Winter kWh	0.0673	0.01246	0.07976	0.07976	kWh	Winter
STOUT	Peak Summer kWh	0.07946	0.01246	0.09192	0.09192	kWh	Summer
STOUT	Reservation Charge kW	0.35	0	0.35	0.35	kW	All
TC1	Flat kWh	0.08854	0.0065	0.09504	0.09504	kWh	All



Rate Schedule Map

Rate Schedule	Rate Family	Rate Class
AG1A	AG1A	Agricultural
AG1B	AG1B	Agricultural
AG4A	AG4A	Agricultural
AG4B	AG4B	Agricultural
AG4C	AG4C	Agricultural
AG4D	AG4A	Agricultural
AG4E	AG4B	Agricultural
AG4F	AG4C	Agricultural
AG5A	AG5A	Agricultural
AG5B	AG5B	Agricultural
AG5C	AG5C	Agricultural
AG5D	AG5A	Agricultural
AG5E	AG5B	Agricultural
AG5F	AG5C	Agricultural
AGICE	AGICE	Agricultural
AGRA	AGRA	Agricultural
AGRB	AGRB	Agricultural
AGRD	AGRA	Agricultural
AGRE	AGRB	Agricultural
AGVA	AGVA	Agricultural
AGVB	AGVB	Agricultural
AGVD	AGVA	Agricultural
AGVE	AGVB	Agricultural
E20P	E20P	Large Commercial
E20PR	E20PR	Large Commercial

E20S	E20S	Large Commercial
E20SR	E20SR	Large Commercial
E20T	E20T	Large Commercial
E20TR	E20TR	Large Commercial
LS1	LS	Lights
LS2	LS	Lights
LS3	LS	Lights
OL1	LS	Lights
TC1	TC1	Lights
A10P	A10P	Medium Commercial
A10PL	A10P	Medium Commercial
A10PX	A10PX	Medium Commercial
A10S	A10S	Medium Commercial
A10SL	A10S	Medium Commercial
A10SX	A10SX	Medium Commercial
A10T	A10T	Medium Commercial
A10TL	A10T	Medium Commercial
A10TX	A10TX	Medium Commercial
E19P	E19P	Medium Commercial
E19PR	E19PR	Medium Commercial
E19PV	E19P	Medium Commercial
E19S	E19S	Medium Commercial
E19SR	E19SR	Medium Commercial
E19SV	E19S	Medium Commercial
E19T	E19T	Medium Commercial
E19TR	E19TR	Medium Commercial
E19TV	E19T	Medium Commercial
E37	E37	Medium Commercial



Attachment 5B Exhibit A

E1	E1	Residential
E1L	E1	Residential
E1M	E1	Residential
E1ML	E1	Residential
E6	E6	Residential
E6L	E6	Residential
ELTOUC3	ETOUC3	Residential
EM	E1	Residential
EML	E1	Residential
EMLTOU	E6	Residential
EMTOU	E6	Residential
ES	E1	Residential
ESL	E1	Residential
ESR	E1	Residential
ESRL	E1	Residential
ET	E1	Residential
ETL	E1	Residential
ETOUA	ETOUA	Residential
ETOUAL	ETOUA	Residential
ETOUB	ETOUB	Residential
ETOUBL	ETOUB	Residential

ETOUC3	ETOUC3	Residential
ETOUP1	ETOUP1	Residential
ETOUP1L	ETOUP1	Residential
ETOUP2	ETOUP2	Residential
ETOUP2L	ETOUP2	Residential
ETOUP3	ETOUP3	Residential
ETOUP3L	ETOUP3	Residential
EVA	EV	Residential
EVB	EV	Residential
A1	A1	Small Commercial
A15	A15	Small Commercial
A1L	A1	Small Commercial
A1X	A1X	Small Commercial
A6	A6	Small Commercial
STOUP	STOUP	Standby
STOUS	STOUS	Standby
STOUT	STOUT	Standby



Schedule of Fees and Surcharges

Class	2018 PCIA (\$/kWh)	2018 Franchise (\$/kWh)	Sum (\$/kWh)
All Residential	0.03346	0.00055	0.03401
A1	0.02466	0.00062	0.02528
A10	0.02502	0.00066	0.02568
E19	0.02104	0.00061	0.02165
Street	0.00589	0.00061	0.0065
Standby	0.01196	0.0005	0.01246
Agricultural	0.02463	0.00053	0.02516
E20T	0.01735	0.00051	0.01786
E20P	0.01888	0.00056	0.01944
E20S	0.02025	0.00058	0.02083



Adjustments and Discounts

Adjustment	Rate	Amount
Primary Voltage Discount - Max Demand Summer	AG1B	\$ (0.83)
Primary Voltage Discount - Max Demand Summer	AG4B	\$ (0.65)
Primary Voltage Discount - Max Peak Demand Summer	AG4C	\$ (1.12)
Transmission Voltage Discount - Max Peak Demand Summer	AG4C	\$ (2.06)
Transmission Voltage Discount - Max Part-Peak Demand Summer	AG4C	\$ 0.02
Primary Voltage Discount - Max Demand Summer	AG5B	\$ (1.53)
Transmission Voltage Discount - Max Demand Summer	AG5B	\$ (2.66)
Primary Voltage Discount - Max Peak Demand Summer	AG5C	\$ (2.33)
Transmission Voltage Discount - Max Peak Demand Summer	AG5C	\$ (4.36)
Primary Voltage Discount - Max Demand Summer	AGRB	\$ (0.54)
Primary Voltage Discount - Max Demand Summer	AGVB	\$ (0.57)
Primary Voltage Discount - Max Demand Summer	E37	\$ (1.53)
Transmission Voltage Discount - Max Demand Summer	E37	\$ (2.66)
NEM Generation - Bonus Credit	New NEM	\$ 0.01
NEM Generation - Bonus Credit	Muni /Low Income NEM	\$ 0.01



Staff Report Consent Item 6

TO: East Bay Community Energy Board of Directors

FROM: Nick Chaset, Chief Executive Officer

SUBJECT: Authority to Negotiate and Execute a Professional Services Agreement with Circlepoint in Continuation of Existing but Expiring Contract with Alameda County

DATE: March 21, 2018

Recommendation

Adopt a Resolution authorizing the Chief Executive Officer (CEO) to negotiate and execute a contract with Circlepoint with a term of April 12, 2018 to June 30, 2019, in an amount not to exceed \$350,000 which is the remaining contract amount budgeted under the Alameda County Procurement Contract No. 14862.

Background

Alameda County issued a request for proposals in December 2016 for Community Outreach, Marketing and Customer Notification services. Four proposals were received by the Community Development Agency's (CDA) Planning Department and were reviewed pursuant to the County's procurement process. On January 13, 2017, a County Selection Committee (CSC) panel of two Community Choice Aggregation (CCA) Steering Committee members convened to interview, score, and rank the proposals.

Circlepoint, a certified Small, Local, Emerging Business (SLEB), was the top scoring proposal and recommended to the board, resulting in Procurement Contract No. 14862 that went into effect on April 11, 2017 and ends on April 11, 2018. To date, Circlepoint has billed approximately \$227,000 with an estimated \$110,000 to be invoiced through April 11th. Estimated costs include expenses for customer notification printing and mailing, media advertising, translation, residential market research, and staff hours to supporting ongoing support for Phase 1 and Phase 2 program launches.

Analysis & Discussion

EBCE staff has met with staff from CDA. CDA does not wish to exercise the extension clause in section 35 of the agreement in order to allow for the full expenditure of the contract budget. As such, EBCE intends to enter into a Professional Services Agreement with Circlepoint to cover the remaining budget originally allocated to this agreement. Based on current invoices and estimated expenditures through April 11, 2018, approximately \$300,000-\$350,000 will remain from the original \$627,800 contract.

EBCE requests that the Board provide authority for the CEO to negotiate and execute a Professional Services Agreement with Circlepoint in order to complete the customer notification for Phase 1, complete residential market research, continuation of marketing and outreach plans for Phase 1, and continue to develop a communications strategy for Phase 2 launch. The contract will include the following terms:

- **Budget:** Amount to reflect the remaining unbilled portion of the original budget of \$627,800 up to a total of \$350,000
- **Term:** April 12, 2018 through June 30, 2019
- **Scope:** Support for community outreach, marketing and customer notification services to prepare for program launch (Phase 1 and 2)

Attachments

A. Resolution

RESOLUTION NO. _____

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE EAST BAY COMMUNITY ENERGY AUTHORITY
AUTHORIZING THE CHIEF EXECUTIVE OFFICER TO NEGOTIATE AND EXECUTE
A PROFESSIONAL SERVICES AGREEMENT WITH CIRCLEPOINT**

THE BOARD OF DIRECTORS OF THE EAST BAY COMMUNITY ENERGY AUTHORITY DOES HEREBY FIND, RESOLVE, AND ORDER AS FOLLOWS:

Section 1. The East Bay Community Energy Authority (“EBCE”) was formed on December 1, 2016, under the Joint Exercise of Power Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Castro Valley, Dublin, Emeryville, Fremont, Hayward, Livermore, Oakland, San Leandro, and Union City, to study, promote, develop, conduct, operate, and manage energy and energy-related climate change programs in all the member jurisdictions.

Section 2. In December 2016, Alameda County Community Development Agency in its capacity as interim staff to EBCE issued a request for proposals for Community Outreach, Marketing and Customer Notification services. Alameda County received four responsive proposals, which were reviewed and scored consistent with Alameda County procurement policies.

Section 3. Alameda County selected Circlepoint as the successful proposer and entered into Alameda County Procurement Contract No. 14862 with a one-year term commencing on April 11, 2017 in an amount not to exceed \$627,800.

Section 4. The scope of work included preparing Phase 1 marketing and outreach plans, conducting market research, customer notifications, including without limitation, the opt out notices, and preparing a Phase 2 communications strategy. Circlepoint is in the process of conducting the Phase 1 notifications and developing the Phase 2 communications strategy.

Section 5. The Board of Directors hereby finds that because 1) Circlepoint was selected through a robust competitive process by Alameda County, 2) Circlepoint has not exhausted the funding allocated to Alameda County Procurement Contract No. 14862, and 3) Circlepoint has not completed the scope of work therein, it is in the best interest of EBCE to enter into a Professional Services Agreement with Circlepoint commencing upon the termination of the Alameda County Procurement Contract No. 14862.

Section 6. The Chief Executive Officer is hereby authorized to negotiate and execute a Professional Services Agreement with Circlepoint to complete the scope of work in the Alameda County Procurement Contract No. 14862 for a term commencing on April 12, 2018 through June 30, 2019, with compensation not to exceed \$350,000.

ADOPTED AND APPROVED this _____ day of _____, 2018.

Scott Haggerty, Chair

ATTEST:

Stephanie Cabrera, Clerk of the Board



Staff Report Item 7

TO: East Bay Community Energy Board of Directors

FROM: Nick Chaset, Chief Executive Officer

SUBJECT: CEO Report (Informational Item)

DATE: March 21, 2018

Recommendation

Accept CEO report on update items below.

Workflow Priorities

With EBCE staff working diligently towards successful execution of program goals, there are many priorities to accomplish to stay on track with the target launch in June. Each of the below topic areas is addressed in the PowerPoint presentation attached to this agenda item.

- **Data & Billing Management:** Systems and technology update with data insights
- **Procurement:** Overview of power transactions and administrative items
- **Marketing and Outreach:** Timeline of key actions and Phase 1 Outreach Update
- **Banking and Credit services:** Finance update on credit, banking, and accounting
- **Regulatory and Legislative Update:** Overview of major regulatory and legislative activities
- **Local Development Business Plan:** Update on upcoming work session and work products
- **Phase 2:** Update and operational considerations



CEO Report

PRESENTED BY: Nick Chaset

DATE: 3/21/18

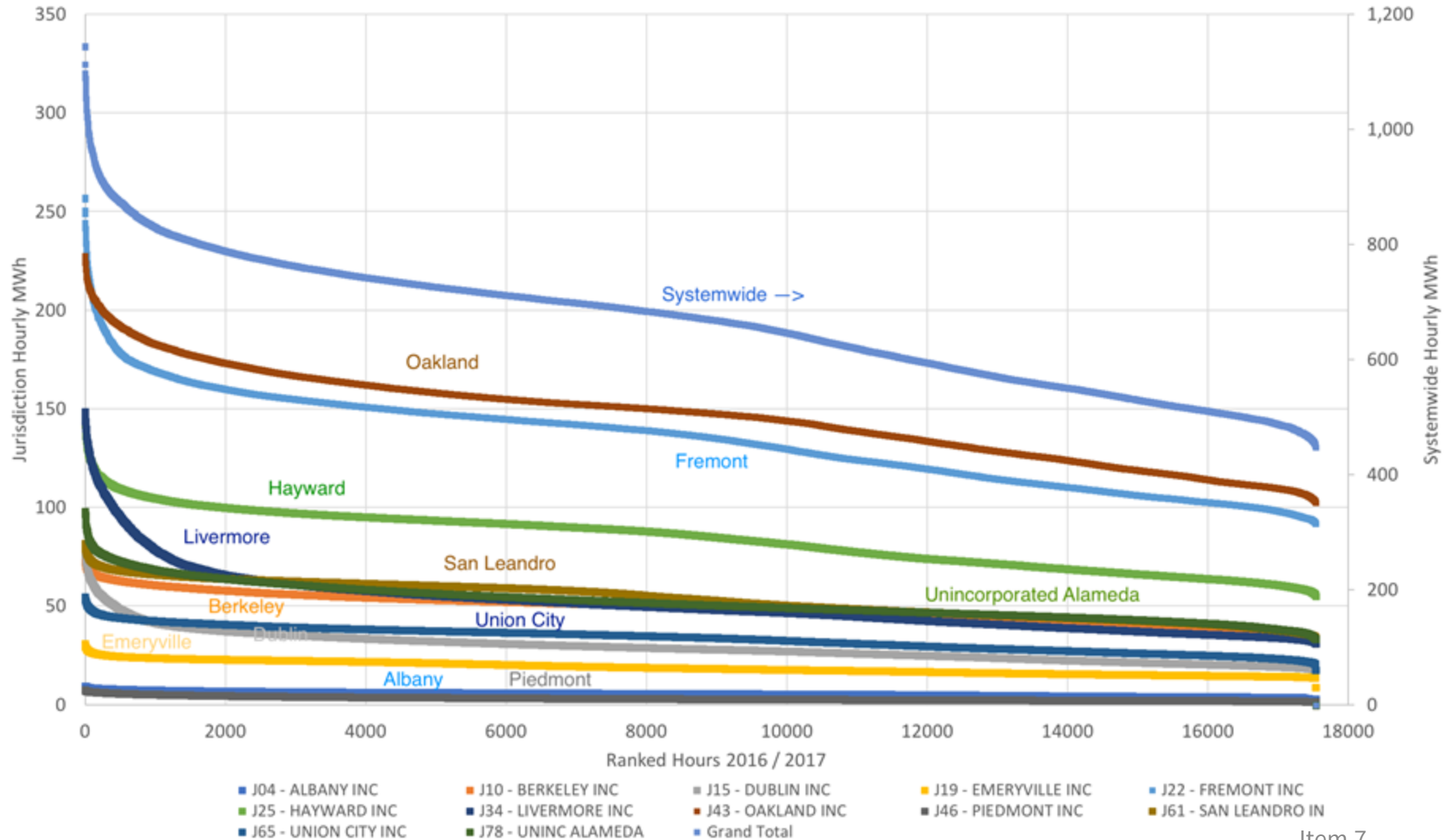


SYSTEMS AND TECHNOLOGY UPDATE

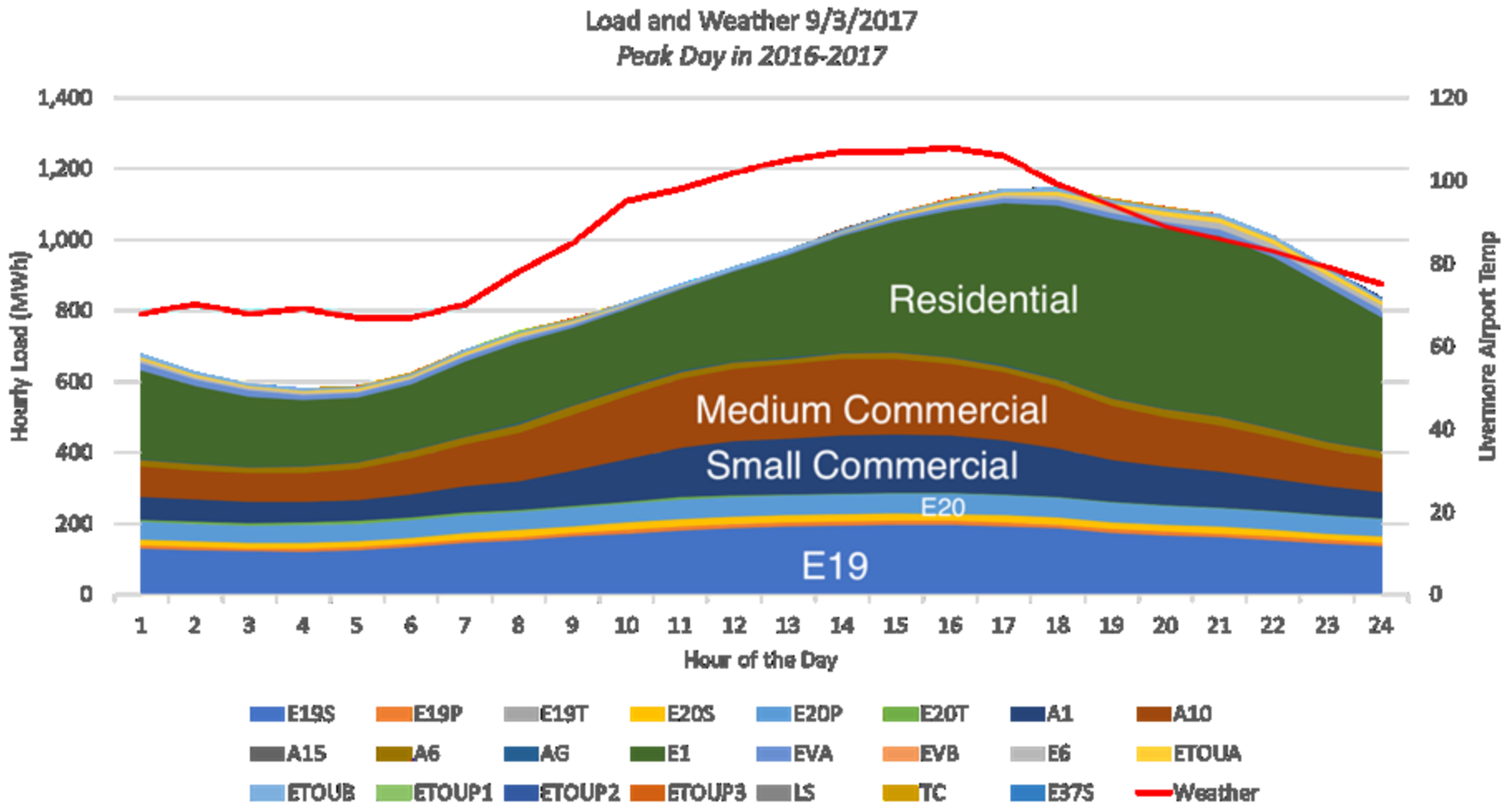
- Meter Data Management and Call Center Services
 - Systems configuration and development almost complete
 - Initiating User Acceptance Testing in late March
 - Call Center Training to begin concurrently
 - Soft Launch scheduled for 4/2 - when noticing begins
- Data Analytics Warehouse
 - 2017 interval and billing data uploaded, normalized and aggregated, combined with 2016 data.
 - Initial analytics performed to support Forecasting

DATA INSIGHTS: LOAD DURATION CURVES

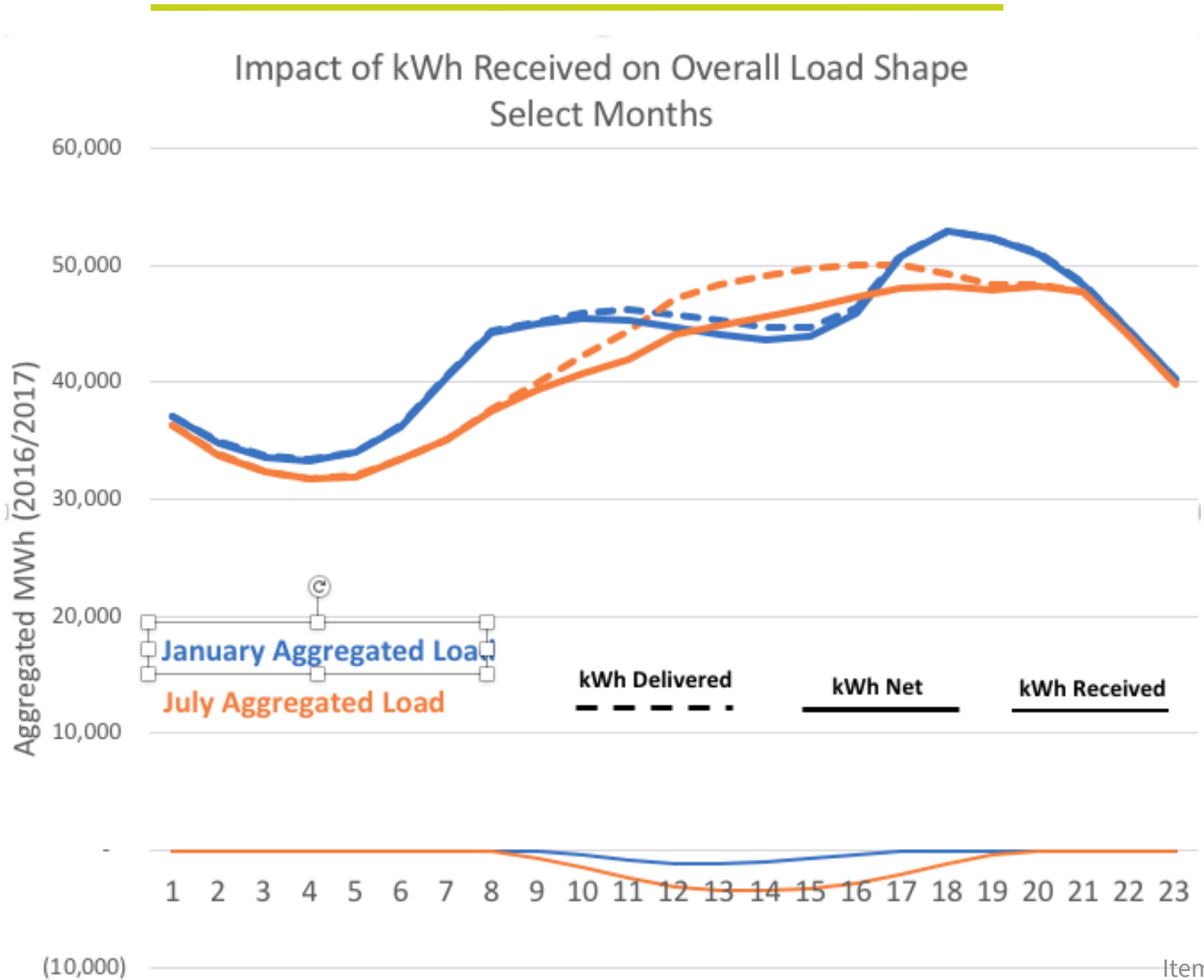
Systemwide and Jurisdiction Load Duration Curves
Aggregated 2016 / 2017 Load Data



DATA INSIGHTS: PEAK DAY (9/3/2017)



DATA INSIGHTS - CUSTOMER GENERATION



PROCUREMENT UPDATE

Short-term Power Transactions

- Go-to market strategy for short term power procurement breaking down energy product, quantity, and duration and formalizing solicitation docs
 - Anticipating initial RFP solicitation at the end of March
- In accordance to recent approvals, we have executed EEI and Lockbox agreements with a substantial group of energy suppliers to ensure competitive pricing
- Ongoing negotiations with additional counterparties to continue to build out a network of suppliers
- Completing additional market research on value at risk to inform price thresholds for hedging

Long-term Power Transactions

- Finalizing 2 long-term local Alameda County renewable energy PPA RFPs
- Assessing service providers to administer and assist in project evaluation

PROCUREMENT UPDATE

Administration

- WSPP registration is completed
- Energy Services Contract executed with NCPA
- Filing our compliance requirements for Resource Adequacy and ERRA
- Settlement Quality Meter Data (SQMD) plan submitted to CAISO
- Load Serving Entity (LSE) status confirmed
- Integrated Resource Planning underway to deliver for August 1 deadline
- Actively recruiting on the Director of Power Resources role

MARKETING AND ACCOUNT SERVICES UPDATE

March	April	May	June	July
<ul style="list-style-type: none"> PSA 	<ul style="list-style-type: none"> Call Center opens Early Adopter request form 	<ul style="list-style-type: none"> Print Ads 	<ul style="list-style-type: none"> Enrollment 	<ul style="list-style-type: none"> First bill
<ul style="list-style-type: none"> Opt up and Opt out forms 				
C&I account outreach				
	Digital Advertising			
	Customer Notification			

OUTREACH UPDATE

Individual Outreach

- Continuing to contact and meet with Top 200
- Working with city staff to identify contacts at the key accounts that have not responded
- Preparing usage analysis for key accounts

Targeted Mass Outreach

- Hosting three lunch-hour webinars, and will post webinar to web
- Communicating to customers via chambers of commerce newsletters and events

FINANCE UPDATE

Credit

- Credit agreement closed and initial draw in process

Banking

- Multiple deposit accounts created for operating fund, reserves, and collateral management

Accounting

- In the process of transitioning services from the County to EBCE
 - Currently evaluating accounting vendors

REGULATORY UPDATE

- Power Charge Indifference Adjustment (PCIA) Rulemaking
 - CalCCA continues to develop a proposal for a successor mechanism to the PCIA
 - Testimony is due April 2nd
 - Proposed Decision expected as early as late July
- Resource Adequacy (RA) Rulemaking
 - Considering reforms to current RA paradigm:
 - Support capacity needs while avoiding double-procurement and unexpected backstop procurement charges
 - Enable a more rapid transition to a cleaner grid relying increasingly on GHG-free capacity as natural gas plants retire

LEGISLATIVE OUTLOOK

- The legislative session is in the very early phases
 - Bills were introduced in February; committee hearings in first house occur in March and April
- Legislature/Governor priorities
 - Sexual harassment response
 - Push back on Trump Administration policies
 - Pending major energy legislation:
 - Wildfire response – bills dealing with insurance, liability, line clearance, emergency protocols
 - Electric vehicle adoption
 - SB 100 (De Leon) – 100% carbon-free grid with 60% renewable portfolio standard
 - AB 726 (Holden) – Early procurement of renewables
 - AB 813 (Holden) – Regionalization

LEGISLATIVE OUTLOOK

- EBCE efforts
 - Meeting with key members who represent EBCE's service area and energy policy leaders
 - Prepare local members for EBCE's imminent rollout
 - Policymaker views on CCAs are largely undefined and will be formed over the next few years
- Elections
 - Rapidly approaching primaries in June and general elections in November
 - Likely to make it difficult to enact significant legislation this year

LOCAL DEVELOPMENT BUSINESS PLAN

The LDBP summary draft report is due to staff 3/16 prior to a 3/26 public workshop hosted by the draft consultants in Oakland.

Most recent LDBP Work Products (January)

- Demand Response Assessment
- Analysis of Locational Benefit Factors
- Net Energy Metering Strategy Assessment
- Energy Efficiency Assessment
- Energy Storage Contracting Strategy Recommendations
- Capacity Building Recommendations

Previous LDBP Work Products

- Grid-side DER Assessment
- Customer-side DER Assessment
- Development Models and Strategies
- EBCE Development Issues
- Implementation and Policy Issues
- Integrated Resource Planning
- Preliminary Plan Scenarios

PHASE 2 UPDATE

- With the goal of expediting our residential service, we have accelerated our Phase II residential segment to November for this critical customer segment based on feedback from the board and community
- Planning and execution are already well under way

Operational considerations:

- Load forecasting, compliance, and power procurement planning
- Coordination with SMUD to ensure call center preparedness for high volume segment
- Customer insights market research and customer notifications
- Additional customer outreach and brand awareness
- City coordination on default product selection



Staff Report Item 8

TO: East Bay Community Energy Board of Directors

FROM: Nick Chaset, Chief Executive Officer
Leah Goldberg, General Counsel

SUBJECT: **Discussion of Potential Amendments to the Joint Powers**

DATE: Agreement March 21, 2018

Recommendation

Discuss potential amendments to the East Bay Community Energy Authority Joint Powers Agreement and give direction to staff with respect to any amendments to bring back to the Board for consideration, after providing proper notice.

Background and Discussion

Section 8.4 of the East Bay Community Energy Authority Joint Powers Agreement (“JPA Agreement”) allows amendments to the JPA Agreement by a two-thirds affirmative vote of the entire board after a 30-day notice to all parties of the proposed amendments.

On October 18, 2017, the EBCE Board adopted a process for considering policy and JPA Agreement Amendments. That policy obligates the CEO to bring potential JPA amendments to the Board in March and September for discussion. A majority of the Board will need to indicate support for a policy amendment or JPA Agreement amendment for the proposed amendment to be noticed for Board action.

EBCE staff identified three issues that require policy guidance and possible amendment of the JPA Agreement: 1) Compensation to Community Advisory Committee members to offset their costs of attending meetings; 2) appointing alternates to the Community Advisory Committee; and 3) updating the JPA Agreement timeline for completion of the Local Development Business Plan.

1. Should EBCE provide compensation to Community Advisory Committee members to attend Community Advisory Committee meetings?

Section 4.9 of the JPA Agreement states in pertinent part: “The Board of Directors shall determine whether the Community Advisory Committee members will receive a stipend and/or be entitled to reimbursement for expenses.”

Argument in favor: The Community Advisory Committee has been having a hard time establishing a quorum. Reimbursement of expenses might assist in prompting some members to attend thereby making it easier to establish a quorum.

Argument against: Providing a stipend to Community Advisory Committee members will increase the operating expense of the JPA.

2. Should the JPA Agreement be amended to provide for alternate members of the Community Advisory Committee?

Section 4.9 of the JPA Agreement obligates the Board to appoint nine members to the Community Advisory Committee representing a diverse cross section of interests, skill sets, and geographic regions. As it reads now, the JPA Amendment does not contemplate alternate members.

Argument in favor: Adding alternate members increases the chance that the Community Advisory Committee will have a quorum at its meetings. Alternate members might add a different perspective that could enhance the advice given the Board. Adding alternates increases the number of community members involved with EBCE.

Argument against: The Community Advisory Committee’s composition is intended to provide for a diverse cross section of interests, skill sets, and geographic representation. Alternates would need to match the qualifications of the member or members for which the alternate serves. It could be a difficult, if not impossible, task to match the qualifications. Additionally, having alternates potentially sends a message that attendance at a Community Advisory Committee meeting is optional. It might be more prudent to emphasize the importance of attending meetings when appointing members initially or establishing policies terminating members that fail to attend meetings.

3. Should the JPA Agreement be amended to update the timing on the Local Development Business Plan?

Section 5.4 of the JPA Agreement requires completion of the Local Development Business Plan “no later than eight (8) months after the seating of the Authority Board of Directors.” This timeline would have required completion of the Business Plan on or before October 16, 2017. While the Local Development Business Plan is well underway, the deadline set in the JPA has passed. Rather than simply rushing to complete the plan, staff believes it would be more prudent to modify the JPA Agreement date for completion of the Local Development Business Plan to April 30, 2018 or other reasonable date.

Argument in favor: Modifying the JPA Agreement to set a realistic deadline for completing the Local Development Business Plan would keep EBCE in compliance with the JPA Agreement and would allow for robust community and staff vetting of the proposed plan.

Argument against: Leaving the date as is will force completion of the Local Development Business Plan as soon as possible.

Fiscal Impact

Providing direction to staff on whether the above proposed JPA Amendments should be noticed and considered in accordance with the JPA Agreement will have no fiscal impacts.

CEQA Considerations

Not a project.



Staff Report Item 9

TO: East Bay Community Energy Board of Directors

FROM: Nick Chaset, Chief Executive Officer

SUBJECT: JPA Member Election to Default Phase 1 Customers onto *Brilliant 100*

DATE: March 21, 2018

Recommendation

Adopt the resolution directing staff to make the necessary arrangements to allow the default service for the Phase 1 enrollment in certain cities to be *Brilliant 100* for all non-residential customers and approving amendment to the terms and conditions.

Background

On February 7, 2018, the EBCE Board of Directors approved two product services for customers within EBCE territory: a default service called *Bright Choice* that will be 85% carbon-free and offered at a 1.5% discount to the PG&E generation rate, and a second service called *Brilliant 100* that will be 100% carbon-free and offered at the same cost as the PG&E generation rate.

Many member jurisdictions have Climate Action Plans (CAP) with specific greenhouse gas (GHG) emission reduction goals to be achieved by specific dates. Customers receiving *Brilliant 100* service achieve additional GHG emissions savings that contribute to cities meeting their CAP goals. Three City Councils have passed resolutions requesting the EBCE Board of Directors to enroll customers within their jurisdiction in *Brilliant 100* service as the default option, which will increase GHG savings at no additional cost to customers.

- [Albany Resolution](#) approved at March 5th city council meeting
- [Emeryville Resolution](#) [approved] at March 20th city county meeting
- [Hayward Resolution](#) approved at March 6th city council meeting

Analysis & Discussion

Enrolling customers directly into *Brilliant 100* service requires the following changes to the standard process. EBCE staff is prepared to execute on these items in order to implement the decision of the city councils and EBCE Board of Directors.

- The Terms and Conditions of Service must be updated to reflect the rate differences in certain jurisdictions.
- Customers within jurisdictions that requested direct enrollment in *Brilliant 100* will receive a different notice from jurisdictions with standard customer enrollment in *Bright Choice*.
- The start of the noticing process will be delayed by one week and the first two batches of notices will be consolidated.
- EBCE staff will facilitate drafting, printing, and mailing a letter on city letterhead and signed by the director and alternate from that city to customers within the jurisdiction explaining direct enrollment in *Brilliant 100*.
- The EBCE website and select marketing collateral will be updated to include information about jurisdictions that requested customers direct enrollment in *Brilliant 100*.
- The SMUD call center will be trained on which jurisdictions have selected *Brilliant 100* for customer enrollment.
- EBCE staff will follow-up with any strategic commercial accounts within the identified jurisdictions to update the customer on the enrollment process and facilitate opt down to *Bright Choice* if cost savings is critical to that business.
- The Interactive Voice Response (IVR) system implemented by SMUD will verify if a customer is already receiving *Brilliant 100* service and provide an option for the customer to opt down through the automated system.

EBCE is working closely with SMUD to configure their customer management systems to enroll all customers in *Brilliant 100* within identified jurisdictions. As this request to change the standard process comes very close to the launch of the call center and its supporting systems on April 2nd, SMUD has indicated it may come at an additional cost to EBCE. EBCE staff are actively pursuing mechanisms to implement the enrollment of Albany and Hayward businesses in *Brilliant 100* at program launch, but doing so will alter the enrollment experience of these customers.

Additionally, there are several items that cannot be changed in time for launch in June. EBCE staff continues to investigate how and when updates may occur.

- Certain marketing collateral may not reflect this variation from the standard enrollment program. EBCE staff is exploring the ability to update an animated video but it is unclear if this can be accomplished by launch.
- An opt down form may not be available on the EBCE website. SMUD is already testing its systems, including the opt up and opt out forms on the website. EBCE staff is exploring the ability to add a form to support customer opt down from *Brilliant 100* to *Bright Choice*.
- The IVR system has already been recorded in English and Spanish. A general information section of the IVR notes that *Bright Choice* is the default product. This will not be updated before launch. EBCE staff is looking into when the recording can be updated.

Attachments

- A. Resolution
- B. Exhibit A - Amended Terms and
Conditions

RESOLUTION NO. _____

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE EAST BAY COMMUNITY ENERGY AUTHORITY
DIRECTING STAFF TO MAKE NECESSARY ARRANGEMENTS TO ALLOW
THE DEFAULT SERVICE FOR PHASE 1 ENROLLMENT IN CERTAIN CITIES TO BE BRILLIANT 100
FOR ALL NON-RESIDENTIAL CUSTOMERS**

THE BOARD OF DIRECTORS OF THE EAST BAY COMMUNITY ENERGY AUTHORITY DOES HEREBY FIND, RESOLVE, AND ORDER AS FOLLOWS:

Section 1. The East Bay Community Energy Authority (“EBCE”) was formed on December 1, 2016, under the Joint Exercise of Power Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Castro Valley, Dublin, Emeryville, Fremont, Hayward, Livermore, Oakland, San Leandro, and Union City, to study, promote, develop, conduct, operate, and manage energy and energy-related climate change programs in all the member jurisdictions.

Section 2. On February 7, 2018, the Board of Directors approved two product offerings—a default product called Bright Choice composed of electricity sources that are 85% carbon-free, and an opt-up product called Brilliant 100 that is 100% carbon-free. At that same meeting, the Board of Directors established a framework for setting the rates for these products namely that Bright Choice would be 1.5% below PG&E rates and Brilliant 100 would match PG&E rates.

Section 3. In order to meet their climate action goals, EBCE member cities Albany, Emeryville, and Hayward have each adopted resolutions requesting that the EBCE Board of Directors set the default product service in their respective cities for Phase 1 customers at Brilliant 100 instead of Bright Choice.

Section 4. Changing the default product service for these cities requires a number of adjustments to, among other things, the terms and conditions, customer notification, marketing materials, call center preparations and training, and enrollment forms to include an opt down option.

Section 5. The Board of Directors hereby desires to accommodate the cities of Albany, Emeryville, and Hayward and therefore directs the EBCE Chief Executive Officer or his designee to take any and all necessary actions to allow for the default product service in those cities to be Brilliant 100 for all Phase 1 customers, with an option for those customers to opt down to Bright Choice. The Board of Directors further directs the Chief Executive Officer or his designee to assist the cities of Albany, Emeryville, and Hayward in reaching out to large commercial customers in those cities to update those customers about their opt down choice.

ADOPTED AND APPROVED this _____ day of _____, 2018.

Scott Haggerty, Chair

ATTEST:

Stephanie Cabrera, Clerk of the Board



POLICY # _____

Terms and Conditions of Service (Amended)

ENROLLMENT AND SERVICE OPTIONS

Bright Choice (Standard, default service for customers not in Albany, Emeryville, or Hayward)

As of June 2018, East Bay Community Energy (EBCE) will be the default electric provider serving Alameda County, except the cities of Alameda, Pleasanton, and Newark. Most accounts within EBCE's coverage area will be automatically enrolled in EBCE's *Bright Choice* service, which is powered by at least 38% renewable energy and an additional minimum of 47% carbon-free energy (together, a total of 85% carbon-free) and offered at a 1.5% discount to the corresponding PG&E rate. Enrollment will occur in phases over the next 6-12 months. Customers may request to "opt up" to the *Brilliant 100* service or opt out and return to PG&E bundled service at any time, subject to the opt-out guidelines described below. *Bright Choice* electric generation rates in 2018 are set below PG&E electric generation rates, inclusive of utility exit fees. More information about rates can be found at ebce.org/rates.

Brilliant 100 (Voluntary Program for most customers, default service for customers in Albany, Emeryville, and Hayward)

For standard customers, once enrolled, you have the option to "opt up" to EBCE's 100% carbon-free service, *Brilliant 100*, offered at the same cost as the corresponding PG&E rate. Per the request of the local city council in an effort to support sustainability goals, customers within the cities of Albany, Emeryville, and Hayward will be enrolled in *Brilliant 100* automatically at the start of service. *Brilliant 100* customers may subsequently choose to return to the standard *Bright Choice* service at no cost, inclusive of utility exit fees. Participation in voluntary programs is effective as of the customer's next billing cycle.

Early Adopter (Voluntary Program)

Before residential automatic enrollment begins in late 2018, residential customers are invited to "opt in" to EBCE service as Early Adopters in June 2018. Customers who enroll as Early Adopters must elect *Brilliant 100* service. Participation is voluntary, and Early Adopters who choose to return to PG&E bundled service may be subject to termination fees and special PG&E rates. Space in the Early Adopter program is limited.

RATES, FEES AND PROGRAMS

EBCE's electric generation rates are managed to provide cleaner, greener electricity to our community at competitive rates. Any future rate changes will be adopted at duly noticed public meetings of the EBCE Board. You can view EBCE rates online at ebce.org/rates, or call 1-833-699-EBCE (1-833-699-3223) for more information. Rates and cost comparisons may change over time.

As an EBCE customer, PG&E charges you a monthly Power Charge Indifference Adjustment (PCIA) and Franchise Fee Surcharge. EBCE has accounted for these additional exit fees and charges in its rate

setting process. Please contact PG&E for more information about these charges.

Financial assistance programs including CARE (California Alternate Rates for Energy), FERA (Family Electric Rate Assistance) and Medical Baseline Allowance remain the same with EBCE. If you are enrolled in any of these programs with PG&E, they will continue to apply to you as an EBCE customer.

BILLING

As an EBCE customer, you will continue to receive a single monthly bill from PG&E that includes all electricity-related charges, including EBCE's electric generation charges. EBCE generation charges are not duplicate or extra fees. PG&E will forward your payments for electric generation to EBCE. PG&E will continue to charge for gas services, transmission, distribution, public goods programs and other non-generation charges at the same rates it charges customers who do not receive EBCE service.

OPT OUT

You may opt out of EBCE electric generation service at any time by calling 1-833-699-EBCE (1-833-699-3223) or by completing the opt-out form at ebce.org/optout. You will need your PG&E account information to begin the opt-out process.

There is no fee to opt out before enrollment or in the first 60 days of receiving EBCE service. If you opt out 60 or more days after EBCE service begins, or if you are an Early Adopter, you will be charged a one-time termination fee of \$5 per residential account or \$25 per commercial account. This fee will be waived for customers that opt out prior to June 1, 2019. You will also be subject to PG&E's terms and conditions of service, which will prohibit you from returning to EBCE for a full year after your opt-out date.

If returning to PG&E generation service after receiving EBCE service for more than 60 days, or after enrolling as an Early Adopter, PG&E requires that you choose one of the following options:

- Option 1) Return to PG&E generation service at the end of the current billing cycle. You will be billed at PG&E's transitional rates for a six-month period, and PG&E's standard bundled electricity rates thereafter.
- Option 2) Give six month's advance notice of your intent to return to PG&E generation service. At the end of the six-month notice period, you will be returned to PG&E service and billed PG&E's standard bundled electricity rates.

Accounts of customers who have requested to opt out will be transferred on the next day their electric meter is read. Accounts cannot be transferred in the middle of a billing cycle. Your opt-out request must be received at least 5 business days prior to your meter read date in order to switch service to PG&E before your next billing cycle begins. All other opt-out requests will be processed on the subsequent meter read date. If you opt out or otherwise stop receiving service from EBCE, you will be charged for all EBCE electricity used before ending EBCE electric service.

FAILURE TO PAY

If you fail to pay your bill, EBCE may transfer your account to PG&E upon 30 days' written notice for

commercial customers and 60 days written notice for residential customers. If your account is transferred, you will be required to pay the opt-out fees described above.

CUSTOMER CONFIDENTIALITY

EBCE is committed to protecting customer privacy. EBCE's policy on customer confidentiality can be found at ebce.org/confidentiality or by calling 1-833-699-EBCE (1-833-699-3223).



Member Election to Default Phase 1 Customers onto *Brilliant 100*

PRESENTED BY: Annie Henderson

DATE: 03/21/18



BACKGROUND

- 2/7/18 – EBCE Board approved power mix and rate discount.

Product	Power Mix	Discount
<i>Bright Choice</i>	38% RE + 47% carbon-free = 85% clean	1.5%
<i>Brilliant 100</i>	40% RE + 60% carbon-free = 100% clean	0%

At cost parity with PG&E, Brilliant 100 service offers greater greenhouse gas emissions savings to help achieve Climate Action Plan goals.

- 3/5/18 – **Albany City Council** adopted resolution requesting all commercial accounts enrolled in Brilliant 100 service
- 3/6/18 – **Hayward City Council** adopted similar resolution
- 3/20/18 – **Emeryville City Council** voted on similar resolution

IMPLEMENTATION

- Procedure Changes
 - Update Terms and Conditions of Service
 - Unique notice
 - Condensed noticing schedule
 - City letter to customers
 - Update website and select marketing collateral
 - Call center training
 - Follow-up and retention of top commercial accounts
 - Automated phone system support
- Challenges
 - Certain marketing collateral may not be updated
 - An opt down form may not be available on the EBCE website.
 - General description on automated phone system will not be updated.
- Operational Concerns
 - Possible additional cost for SMUD to support enrollment change
 - Different customer experience depending on enrollment mechanism

PHASE 1 TIMELINE

Date	Action
3/26	Noticing process begins for Notice #1
4/9	Notice #1 delivery begins
Mid-April	City letters sent regarding enrollment in Brilliant 100
5/7	Notice #2 delivery begins
6/1	Enrollment begins
6/11	Notice #3 delivery begins
7/2	Notice #4 deliver begins

PHASE 2 TIMELINE

Date	Action
End April	EBCE outreach to cities complete
End May	Deadline for city resolutions for Phase 2 default to Brilliant 100*
June	Board considers any city requests for default*^
August	City letter and notice content final
Mid-August	Noticing process begins for Notice #1
September	Notice #1 delivery begins
October	Notice #2 delivery begins
November	Enrollment begins

*Schedule accounts for reduction in city council meetings in June and July

^Schedule accounts for time to develop outreach materials and notice content

STAFF RECOMMENDATION

- Adopt a resolution to set default rate as *Brilliant 100* for Phase 1 customers in Albany, Emeryville, and Hayward, as requested by city councils
- Approve amended Terms and Conditions of Service, which incorporate rate information specific to Albany, Emeryville, and Hayward
- Communicate Phase 2 timeline to city staff and city councils and lead city discussions to gauge interest from elected officials and community members in a Phase 2 default to *Brilliant 100*