



STAFF REPORT TO THE CITY COUNCIL

DATE: Regular Meeting of June 13, 2017

TO: Honorable Mayor and Members of the City Council

SUBMITTED BY: Forrest Ebbs, Community Development Director *FE*

SUBJECT: Community Choice Aggregation Program

RECOMMENDED ACTION

It is recommended that the City Council consider the proceeding information and either:

- a) Approve the second reading of the Ordinance, thereby authorizing the Implementation of a Community Choice Aggregation Program (CCA) and Approving the MCE Joint Powers Agreement; or
- b) Take no action, thereby making no change to the current electrical provider arrangement.

STRATEGIC PURPOSE

This program would enable the City to address the following Strategic Plan policies:

Long Term Goal F: Environmental Enhancement. Pollution prevention (NPDES), water conservation, energy and carbon conservation, and waste prevention.

Strategy F-1: Exceed environmental regulation compliance in all resource areas.

Short Term Objectives: Focus limited staff on programs and resource areas where partnerships are available or programs are legislatively required.

FISCAL IMPACT

Participation in the program does not directly cost the City of Antioch. During the initial inclusionary period, between December 1, 2016 and June 30, 2017, all costs to join the program are waived. MCE will cover the costs of approximately \$10,000 to \$15,000 during this period for consultants to evaluate the risks to each jurisdiction that might result from joining. There would be very minor costs for staff time associated with the program's implementation and administration in Antioch.

DISCUSSION

At its May 23, 2017 meeting, the City Council elected to approve the first reading of two readings required for the adoption of the enacting ordinance. This action was taken in part to facilitate the timely joining of the program within the current enrollment period, which will expire July 1, 2017. The Council did not express unanimous support for the

program and staff has provided additional information and outreach that will better inform the City Council and address some of their specific concerns.

For reference, the published staff report from the May 23, 2017 City Council meeting is attached.

Update to CCE in Contra Costa County

On May 17, 2017, the Board of Directors of Alameda County's new CCE, East Bay Community Energy, voted to end efforts to include Contra Costa County cities in their program. Instead, they directed staff to focus on their new Joint Powers Authority and enrolling Alameda County customers. As a result, MCE is the only CCA program that is currently enrolling new jurisdictions.

Currently, the majority of municipalities in Contra Costa County have either joined or are discussing joining MCE. MCE currently serves El Cerrito, Lafayette, Richmond, San Pablo and Walnut Creek. In this inclusion period, the cities of Concord, Oakley and Pittsburg as well as the towns of Danville and Moraga and the County have voted to join MCE. In the group with Antioch currently deciding to whether or not to join are the cities of Martinez, Pinole and San Ramon. The City of Brentwood has not taken any steps towards joining MCE, though it has been active in other activities related to a CCE in Contra Costa County. According to their staff, they may consider it next year. Other municipalities that are not moving forward with joining during this inclusionary period include Clayton, Orinda, and Pleasant Hill.

PG&E Options

At its May 23, 2017 meeting, the City Council requested more information on PG&E's renewable energy options. PG&E currently allows their customers to sign up for 50% or 100% renewable energy options in a program called Solar Choice.

Cost Comparisons

The following table compares the costs for a typical residential energy customer that uses 500kwh/month. The table shows regular PG&E service, the two PG&E Solar Choice programs, and the two MCE options.

	PG&E Service regular service	PG&E Service 50% Solar	PG&E Service 100% Solar	MCE Light Green 50% renewable	MCE Deep Green 100% renewable
PG&E Delivery Costs	\$63.08	\$63.08	\$63.08	\$63.08	\$63.08
Generation Costs	\$49.19	\$49.19	\$49.19	\$34.00	\$39.00
Additional PG&E Fees		\$6.53	\$13.05	\$14.89	\$14.89
Total Electric Charges	\$112.27	\$118.80	\$125.32	\$111.97	\$116.97

The source data spreadsheet is included as Attachment "B". The Solar Choice premiums were calculated using the PG&E webpage, which is available at: https://www.pge.com/en_US/residential/solar-and-vehicles/options/solar/solar-choice/solar-choice.page.

Public Outreach

In response to discussion at the May 23, 2017 meeting, staff created an online survey to garner public input on the City's participation with MCE. The survey can be found at <https://www.surveymonkey.com/r/S63G7K6>. Survey forms will continue to be collected until noon on June 13th and final results will be provided to the City Council and public at the meeting. Links to the survey have been posted on the NextDoor, on the City Hall and Environmental Resources Facebook pages, and through the City's Twitter account. It has also been referenced in the City Manager's weekly updates. At the time of publication, over 100 surveys were submitted, approximately 55% supported joining MCE and 40% would plan to stay with PG&E (opt out) if the City joined MCE.

In addition, Harry Thurston, who spoke at the May 23 meeting, submitted a letter that was originally authored to the editors of the Antioch Herald, Antioch Press and the Contra Costa Times. (Attachment "C")

If the City decided not to join MCE at this time, there is no guarantee that the option will be available in the future as MCE's board evaluates annually whether or not they should add additional communities.

Job Creation

At the May 23, 2017 meeting, comments were made by the MCE representative relative to job creation. To be clear, many of the projected jobs associated with this shift would result from projected increases in solar panel installations that would occur because of the reduced rates and increased incentives. MCE itself would not directly deliver jobs to the City of Antioch.

One aspect of the County's technical study on CCE programs was to evaluate the potential jobs creation from CCE activity within the county. If a focus of the CCE is to generate renewable energy locally, the amount of jobs generated is projected to be up to 700 jobs. This includes direct jobs and multipliers. Direct jobs could be in the 75 to 300 range depending on the number of local projects. The low range assumes that the CCE does not have a priority on local renewable energy generation. The study found that countywide there is enough technically feasible locations to meet a significant energy demand for the area, estimated at a photovoltaic capacity of over 3,000 MWs. Forty percent of the locations are located in the County's Northern Waterfront Economic Development Initiative Area, which includes Antioch's waterfront. The complete study can be downloaded from the County's webpage on the issue, <http://www.co.contra-costa.ca.us/cce>.

Opting out of MCE

If the City of Antioch joins MCE, all current PG&E electrical customers would automatically be enrolled in the program, but would be able to opt out of the program under the following conditions:

1. If a request is received within 60 days of the initial enrollment, the customer would be switched back to PG&E electricity at no charge.
2. If the request is received after the initial 60 days, the customer would be switched back to PG&E electricity, but would be charged an administrative fee of \$5 for residential customers and \$25 for commercial customers.
3. In order to inform the public and customers of their rights to opt out, MCE is required to send a total of four notices to customers. MCE anticipates mailing five notices and conducting community outreach, as well. The first three notices would go out during the three months prior to the automatic enrollment and the additional two notices would go out monthly during the 60-day initial period when opt out fees are waived.

The City of Antioch and MCE

If the City of Antioch joins MCE, it would gain a seat on the Joint Powers Authority (JPA). If the City of Antioch (as a public agency and electrical customer) later elected to exit MCE, it would retain its seat on the JPA, but would no longer be a customer. The opt-out fees for the City of Antioch could be \$100,000 due to the number of accounts that the City maintains with PG&E. To date, no member agency has left MCE or the JPA. The City cannot collectively dis-enroll all of its community energy customers.

At the recommendation of MCE staff, the City anticipates opting out of MCE (if joined) for the city buildings that will be covered under the Big Break Solar Project. The rate structure in this case is better with PG&E. Should the Council vote to join MCE, City staff will work with MCE staff to determine the best option for the remaining city services to determine what other accounts the City should keep with PG&E during the free opt-out period.

ATTACHMENTS

- A. Resolution to Join MCE
Exhibit A: Memorandum of Understanding between MCE and City of Antioch
- B. Ordinance Authorizing the Implementation of a Community Choice Aggregation Program and Approving the MCE Joint Powers Agreement
- C. May 23, 2017 City Council Staff Report with Attachments
- D. Rate Analysis Data Spreadsheet
- E. Received Letter from Harry Thurman

ATTACHMENT "A"

RESOLUTION NO. 2017/**

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ANTIOCH APPROVING THE MARIN CLEAN ENERGY JOINT POWERS AGREEMENT AND AUTHORIZING THE IMPLEMENTATION OF A COMMUNITY CHOICE AGGREGATION PROGRAM

WHEREAS, on September 24, 2002, the Governor signed into law Assembly Bill 117 (Stat. 2002, Ch. 838; see California Public Utilities Code section 366.2; hereinafter referred to as the "Act"), which authorizes any California city or county, whose governing body so elects, to combine the electricity load of its residents and businesses in a community-wide electricity aggregation program known as Community Choice Aggregation (CCA); and

WHEREAS, the Act expressly authorizes participation in a CCA program through a joint powers agency, and on December 19, 2008, Marin Clean Energy (MCE) was established as a joint powers authority pursuant to a Joint Powers Agreement, as amended from time to time; and

WHEREAS, on February 2, 2010, the California Public Utilities Commission certified the "Implementation Plan" of MCE, confirming MCE's compliance with the requirements of the Act; and

WHEREAS, on September 27, 2006, AB32 was signed into law establishing the goal of reducing the state's greenhouse gas emissions to 1990 levels by 2020; and

WHEREAS, on June 23, 2009, the City Council of Antioch unanimously approved Resolution 2009/57 adopting GHG reduction targets to reduce overall carbon emissions by 25% by 2020 and 80% by 2050; and

WHEREAS, on May 24, 2011, the Antioch City Council adopted the Community Climate Action Plan, which outlines the potential programs, including purchasing renewable energy, to implement and meet the emissions reduction goals in Resolution 2009-57; and

WHEREAS, the City of Antioch is committed to the development of renewable energy generation and energy efficiency improvements, reduction of greenhouse gases, protection of the environment, and fully supports MCE's current electricity procurement plan, which targets more than 50% renewable energy content; and

WHEREAS, in 2015, 36-percent of overall community wide greenhouse gas emissions in Antioch was caused by energy use and Antioch has a considerable opportunity to impact emissions through energy conservation, energy efficiency, and the use of renewable energy sources; and

RESOLUTION NO. 2017/**

June 13, 2017

Page 2

WHEREAS, electricity in Antioch is generated and provided by Pacific Gas and Electric Company (PG&E) and there is not presently an alternative provider in the City. PG&E is currently working to add more renewable energy to its power mix under California's renewable portfolio standard and is on track to have 33-percent renewables by the end of 2020; and

WHEREAS, the City finds it important that its customers- residents, businesses, and public facilities- have alternative choices to energy procurement beyond PG&E; and

WHEREAS, the City of Antioch finds that joining MCE will offer Antioch customers choice in their power provider and will help Antioch meet the state goal set out in AB32 and the goals outlined in the City's Resolution 2009/57; and

WHEREAS, on May 5, 2017, the City Manager sent a Letter of Intent to Marin Clean Energy requesting that they conduct a membership analysis for Antioch; and

WHEREAS, in order to become a member of MCE, the MCE Joint Powers Agreement requires the City to individually adopt an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction by and through its participation in MCE.

WHEREAS, in order to become a member of MCE, the MCE Joint Powers Agreement requires the City of Antioch to individually adopt a resolution requesting membership in MCE and an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Antioch, based upon all of the above, requests that the Board of Directors of MCE approve the City of Antioch as a member of MCE and directs the City Manager to do the following:

1. Execute a Memorandum of Understanding between the City of Antioch and MCE exploring inclusion in MCE (Exhibit A);
2. Forward a copy of this resolution to MCE.

RESOLUTION NO. 2017/**

June 13, 2017

Page 3

* * * * *

I HEREBY CERTIFY that the foregoing resolution was passed and adopted by the City Council of the City of Antioch at a regular meeting thereof, held on the 13th day of June, 2017 by the following vote

AYES:

NOES:

ABSENT:

ARNE SIMONSEN
CITY CLERK OF THE CITY OF ANTIOCH

Exhibit A

Memorandum of Understanding between MCE and City of Antioch Exploring Inclusion in MCE

This Memorandum of Understanding (MOU), regarding MCE membership consideration is entered into by and between MCE and City of Antioch ("City").

WHEREAS, the City has expressed interest in exploring membership in MCE, and

WHEREAS, MCE has a Policy to consider new community inclusion, subject to receipt of a complete application and subject to MCE analysis and approval, and

WHEREAS, MCE and City are collaborating to determine the feasibility of including Antioch within MCE's Service area and approving the City's application for membership; and

WHEREAS, MCE and City have a mutual interest in following the guidelines below,

NOW THEREFORE, the parties hereto agree as follows:

1. City agrees to assign one staff member as primary point of contact with MCE. Assigned staff member will support and facilitate communication with other City staff and officials, as well as provide input and high-level assistance on community outreach.
2. City will work with MCE to conduct public outreach about the MCE program to aid in outreach and education and to collect feedback from the community. Options to publicize include, but are not limited to, website, social media, public events, community workshops, and newsletter announcements, as well as distribution of flyers and handouts provided by MCE.
3. City will complete and submit 'MCE Membership Application' to MCE.
4. After receipt of complete Membership Application MCE will conduct a quantitative analysis to determine feasibility of adding City to the MCE Service Area, and approve membership if analysis results are positive.
5. Subject to membership approval by the MCE Board, City agrees to publicize and share information about MCE within its community during the 6 month enrollment period. Options to publicize include, but are not limited to, website, social media, public events, community workshops, and newsletter announcements (where feasible), as well as distribution of flyers and handouts provided by MCE at City offices.
6. Subject to membership approval by the MCE Board, City agrees to provide desk space for up to 2 MCE staff during the 6 month enrollment period, and agrees to consider ongoing desk space availability if needed for effective and efficient outreach.

IN WITNESS WHEREOF, the parties hereto have executed this MOU.

MCE:

By: _____ Date _____
Dawn Weisz, CEO
MCE

City of Antioch:

By: _____ Date _____
Ron Bernal, City Manager
City of Antioch

ATTACHMENT "B"

ORDINANCE NO.

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ANTIOCH APPROVING THE MARIN CLEAN ENERGY JOINT POWERS AGREEMENT AND AUTHORIZING THE IMPLEMENTATION OF A COMMUNITY CHOICE AGGREGATION PROGRAM

WHEREAS, on September 24, 2002, the Governor signed into law Assembly Bill 117 (Stat. 2002, Ch. 838; see California Public Utilities Code section 366.2; hereinafter referred to as the "Act"), which authorizes any California city or county, whose governing body so elects, to combine the electricity load of its residents and businesses in a community-wide electricity aggregation program known as Community Choice Aggregation (CCA); and

WHEREAS, the Act expressly authorizes participation in a CCA program through a joint powers agency, and on December 19, 2008, Marin Clean Energy (MCE) was established as a joint powers authority pursuant to a Joint Powers Agreement, as amended from time to time; and

WHEREAS, on February 2, 2010, the California Public Utilities Commission certified the "Implementation Plan" of MCE, confirming MCE's compliance with the requirements of the Act; and

WHEREAS, on September 27, 2006, AB32 was signed into law establishing the goal of reducing the state's greenhouse gas emissions to 1990 levels by 2020; and

WHEREAS, on June 23, 2009, the City Council of Antioch unanimously approved Resolution 2009/57 adopting GHG reduction targets to reduce overall carbon emissions by 25% by 2020 and 80% by 2050; and

WHEREAS, on May 24, 2011, the Antioch City Council adopted the Community Climate Action Plan, which outlines the potential programs, including purchasing renewable energy, to implement to meet the emissions reduction goals in Resolution 2009-57; and

WHEREAS, the City of Antioch is committed to the development of renewable energy generation and energy efficiency improvements, reduction of greenhouse gases, protection of the environment, and fully supports MCE's current electricity procurement plan, which targets more than 50% renewable energy content; and

WHEREAS, in 2015, 36-percent of overall community wide greenhouse gas emissions in Antioch was caused by energy use and Antioch has a considerable opportunity to impact emissions through energy conservation, energy efficiency, and the use of renewable energy sources; and

WHEREAS, electricity in Antioch is generated and provided by Pacific Gas and Electric Company (PG&E) and there is not presently an alternative provider in the City. PG&E is currently working to add more renewable energy to its power mix under California's renewable portfolio standard and is on track to have 33-percent renewables by the end of 2020; and

WHEREAS, the City finds it important that its customers- residents, businesses, and public facilities- have alternative choices to energy procurement beyond PG&E; and

WHEREAS, the City of Antioch finds that joining MCE will offer Antioch customers choice in their power provider and will help Antioch meet the state goal set out in AB32 and the goals outlined in the City's Resolution 2009/57; and

WHEREAS, on May 5, 2017, the City Manager sent a Letter of Intent to Marin Clean Energy requesting that they conduct a membership analysis for Antioch; and

WHEREAS, in order to become a member of MCE, the MCE Joint Powers Agreement requires the City to individually adopt an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction by and through its participation in MCE.

THE CITY COUNCIL OF THE CITY OF ANTIOCH DOES ORDAIN AS FOLLOWS:

Section 1. The City of Antioch has been actively investigating options to provide electric services to constituents within its service area with the intent of promoting use of renewable energy, reducing energy related greenhouse gas emissions, and providing Antioch residents and businesses with alternatives to Pacific Gas & Electric Company.

Section 2. On September 24, 2002, the Governor signed into law Assembly Bill 117 (Stat. 2002, ch. 838; see California Public Utilities Code section 366.2; hereinafter referred to as the "Act"), which authorizes any California city or county, whose governing body so elects, to combine the electricity load of its residents and businesses in a community-wide electricity aggregation program known as Community Choice Aggregation (CCA).

Section 3. The Act expressly authorizes participation in CCA program through a joint powers agency, and on December 19, 2008, Marin Clean Energy (MCE) was established as a joint powers authority pursuant to a Joint Powers Agreement, as amended from time to time.

Section 4. On February 2, 2010 the California Public Utilities Commission certified the "Implementation Plan" of the MCE, confirming the MCE's compliance with the requirements of the Act.

Section 5. In order to become a member of MCE, the Act requires the City of Antioch to individually adopt an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction by and through its participation in the MCE.

Section 6. Based upon all of the above, the City of Antioch Council elects to implement a Community Choice Aggregation program within the City of Antioch's jurisdiction by and through the City of Antioch's participation in Marin Clean Energy. The City Manager is hereby authorized to execute the MCE Joint Powers Agreement.

Section 7. If any section, subsection, subdivision, sentence, clause, phrase, or portion of this Ordinance for any reason is held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council hereby declares that it would have adopted this Ordinance, and each section, subsection, subdivision, sentence, clause, phrase, or portion thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, sentences, clauses, phrases, or portions thereof be declared invalid or unconstitutional.

Section 8. This ordinance shall take effect on the later of (a) the date the - Board of Directors of MCE adopts a Resolution adding the City of Antioch as a member of MCE, or (b) 30 days after its adoption and, before the expiration of 30 days after its passage.

Section 9. The City Clerk shall either (a) have this Ordinance published in a newspaper of general circulation once within fifteen (15) days after its adoption, or (b) have a summary of this Ordinance published twice in a newspaper of general circulation, once five (5) days before its adoption and again within fifteen (15) days after adoption.

* * * * *

I **HEREBY CERTIFY** that the foregoing ordinance was introduced at a regular meeting of the City Council of the City of Antioch held on the 13th day of June 2017, and passed at a regular meeting thereof, held on the ____ day of _____, by the following vote:

AYES:

NOES:

ABSENT:

Sean Wright, Mayor of the City of Antioch

ATTEST:

Arne Simonsen, City Clerk of the City of Antioch

ATTACHMENT "C"



STAFF REPORT TO THE CITY COUNCIL

DATE: Regular Meeting of May 23, 2017

TO: Honorable Mayor and Members of the City Council

SUBMITTED BY: Julie Haas-Wajdowicz, Environmental Resource Coordinator *JWH*

APPROVED BY: Forrest Ebbs, Community Development Director *FE*

SUBJECT: Community Choice Aggregation Program

RECOMMENDED ACTION

It is recommended that the City Council join MCE Clean Energy (MCE) and introduce an Ordinance Authorizing the Implementation of a Community Choice Aggregation Program (CCA) and Approving the MCE Joint Powers Agreement.

STRATEGIC PURPOSE

Long Term Goal F: Environmental Enhancement. Pollution prevention (NPDES), water conservation, energy and carbon conservation, and waste prevention.

Strategy F-1: Exceed environmental regulation compliance in all resource areas.

Short Term Objectives:

Focus limited staff on programs and resource areas where partnerships are available or programs are legislatively required.

FISCAL IMPACT

During the MCE Inclusionary Period, between December 1, 2016 and June 30, 2017, all costs to join are waived. During this period, MCE will cover the cost, ranging from approximately \$10,000 to \$15,000, for consultants to evaluate the risks to each jurisdiction that could result from joining. There will be minor costs for staff time associated with the program's implementation and administration in Antioch.

DISCUSSION

Community Choice Aggregation (CCA) is currently available in seven states including California, New York, Illinois, Massachusetts, Ohio, New Jersey, and Rhode Island. CCA was first authorized under California State law in 2002.

MCE Clean Energy (MCE) was established in Marin County in 2010 and was the first CCA program in California. Sonoma Clean Power (SCP) launched in 2014, and the City of Lancaster began its own program in May 2015. The City and County of San Francisco rolled out their program in May 2016. Peninsula Clean Energy (San Mateo County) begins serving customers in October. East Bay Community Energy (EBCE) is

currently establishing their program and will be serving customers in Alameda County. EBCE has also expressed an interest in serving communities in Contra Costa County as well (Attachment "C").

Community Choice Energy (CCE) is a more descriptive name for Community Choice Aggregate programs. For the sake of this discussion, we will use CCE moving forward. Unlike services such as phone, cable, and internet, owners of homes and businesses do not currently have a choice of electricity supplier. CCE introduces competition into the retail electricity market and provides consumers a choice of electricity providers. CCE enables municipalities to pool the electricity demand of participating homes, businesses, and municipal facilities to buy and/or develop electric power on their behalf. In communities where there is a CCE, PG&E (or the local incumbent utility) continues to be responsible for transmitting and distributing electricity through the grid, maintaining infrastructure, billing customers, and customer services. California law gives ratepayers the option to opt-out of a CCE and return to their incumbent utility service if desired for a nominal charge.

The CCE operates as a not-for-profit public agency. The governing board of this public agency is comprised of local elected officials representing the participating communities. Based on the goals of these participating communities, the CCE can choose what type of electricity to purchase and where the electricity originates (or is produced) geographically. CCEs have the ability to establish local energy efficiency programs and adopt policies to support rooftop solar and other renewable technologies and strategies.

CCE in Contra Costa County

In Contra Costa County, there has been new interest in CCE - five cities have already joined and are currently being served by MCE. These include the Cities of El Cerrito, Lafayette, Richmond, San Pablo, and Walnut Creek. The Cities of Pittsburg and Oakley, and Towns of Danville and Moraga also recently voted to join MCE and the Cities of Clayton, Concord, Martinez, Pinole, and San Ramon are currently considering joining a CCE.

In 2016, Contra Costa County, in partnership with several other local cities, commissioned a technical study of CCE participation to compare the benefits and risks of creating a new CCE program versus joining an existing one. The results of the study were presented to Antioch at the February 14, 2017 City Council meeting. The study found that the County would likely benefit from CCE participation through reduced greenhouse gas emissions, lowered electricity rates, and increased local job creation. The primary risk was the possibility that rates might increase. The study did not show overwhelming rewards to setting up a new program.

After an initial review of the study results, the County Board of Supervisors resolved to join an existing CCE program, either MCE (originally Marin Clean Energy) or East Bay Community Energy (EBCE) - the program being set up by Alameda County. On May 2, 2017, the Board of Supervisors voted to move forward and join MCE for the

unincorporated areas of the county. For updates and for additional information on CCEs, the County created the following website: <http://www.cccounty.us/cce>. In preparation for this agenda item, the City sent a non-binding letter of intent to MCE on May 5, 2017 (Attachment "D").

CCE Options

At this time, the City of Antioch has three options. The first is to join MCE Clean Energy (MCE), the second is to join East Bay Community Energy (EBCE), and the third is to do nothing at this time. Since the majority of Contra Costa is either already with MCE or looking to join, staff recommends moving forward with MCE for consistency. Council could also decide to go with EBCE or do nothing at this time. Regardless of which program the city decides to join, there will currently be no start up costs and customer switchover is anticipated to occur in 2018. MCE's goal is to hopefully enroll communities starting in May 2018.

MCE Clean Energy

Launched in 2010, MCE is a public, not-for-profit electricity provider operating a CCE program with the following benefits:

- **Consumer choice:** MCE currently offers a default option of 50% renewable energy and an opt-up option of 100% renewable energy.
- **Greater access to energy efficiency and solar programs:** Because PG&E still provides MCE customers with transmission services, MCE customers can still access PG&E energy efficiency and other programs. In addition, MCE offers its own energy efficiency programs specifically to their electricity customers. MCE offers a solar net energy metering program that is advantageous to solar customers.
- **Competitive rates:** Historically, MCE's rates have tended to be lower than PG&E's rates, resulting in cost savings for customers. Depending on a variety of factors, individuals may benefit from MCE's rate. However, rates are not guaranteed to be lower than PG&E's. Customers may, however, opt out of MCE and return to PG&E service.
- **Local control:** MCE is governed by a Board of Directors made up of elected officials from each member jurisdiction. Antioch would have a vote on rate, policy, and program decisions where it has little influence now.
- **Reduce greenhouse gas emissions:** Joining a CCE can result in significant greenhouse gas reductions for Antioch. MCE offers alternatives with a higher level of renewable content.
- **Support of community programs and projects:** As a non-profit public agency, MCE allocates a portion of revenues to local projects and programs within its service area.

The main risk is that MCE's rates will not be competitive with PG&E's rates due to regulatory, market, or other factors. Changes in a specific fee, the Power Charge Indifference Adjustment (PCIA), puts pressure on MCE rates and can result in the average MCE customer paying more than the average PG&E customer. The PCIA fee

can be thought of as an exit fee paid to PG&E to shield its continuing rate payers from the costs incurred to supply customers it has lost. Over time this fee will be reduced as PG&E sheds the assets and contract costs associated with the PCIA. In any case, the risk is minimal as individual customers have the option of returning to PG&E at any time. MCE has been less expensive than incumbent utilities 70% of the time since it launched in 2010. The board is highly responsive to the PCIA and MCE's regulatory team regularly advocates for changes around the PCIA at the CPUC.

If the City of Antioch joins MCE's JPA and then no longer wants to participate, there are two options:

- The City could opt out of its own energy accounts with MCE and return to PG&E. It would no longer participate in MCE Board meetings, but would still have a seat on the board. City residents and businesses would be able to opt out as well.
- The City could withdraw altogether from the JPA and incur potentially significant financial impacts. MCE would have entered into long-term contracts worth millions of dollars for electricity to serve the Antioch community. Pursuant to the terms of the JPA agreement, the City would continue to be liable for its pro-rata share of the value of some or all of the contracts that are entered into by the JPA during the time of the City's membership. Even if withdrawal occurs after joining MCE but before the community's enrollment, withdrawing from the JPA would still lead to some continuing liability.

East Bay Community Energy

Since EBCE is in the process of hiring a CEO and setting up the organization, there is still much to be determined for the agency. Presumably, the program will run very similar to MCE and other CCE programs. Since EBCE currently has member agencies from Alameda County and is looking to add Contra Costa, energy production and jobs creation in our region would likely be a priority. If Council decides to move forward with joining EBCE, the resolution and ordinance to join EBCE could be brought before the City Council at the June meeting.

Staff Analysis

The most compelling reason for Antioch to join MCE is that the program would provide a new choice of energy suppliers to the City's residences and businesses. There would be new options for electricity sourcing with a higher level of renewable content, which would hopefully be less expensive than the current situation. Customers would have the opportunity to opt out of the program and stay with PG&E if they decide to. For example, the City of Antioch will most likely be opting out of MCE for the locations that will be served by the proposed Big Break Solar Project. In this instance, even MCE staff recommends staying with PG&E as they do not currently have a rate structure similar to the RES-BCT applying to the project.

The City needs to take the following steps to complete its MCE application by June 30, 2017 to join at no cost:

1. Adoption of a resolution requesting membership in MCE.

2. Approval of a Memorandum of Understanding (MOU) between MCE and Antioch. The MOU requires the City of Antioch to provide a high level of support for outreach and desk space for two MCE staff during the enrollment period and assignment of a primary staff contact to MCE. The Community Development Department is prepared to offer this support and desk space.
3. Adoption (second reading) of the attached ordinance approving the terms of the MCE Joint Powers Agreement and authorizing its execution, as required by the Public Utilities Code.

Items 1 and 2 above require action at this meeting. If approved item 3 would occur at the June 13, 2017 Council Meeting.

Once an application is submitted to MCE, they will conduct a membership analysis and, if no negative impacts to MCE's electric generation rates are found and reductions in greenhouse gas emissions are found, MCE's Board of Directors would likely accept Antioch's membership. The current, higher exit fee would be considered in the membership analysis. However, a higher bottom line for customers resulting only from the exit fee charge would not disqualify Antioch from membership. The exit fee is not set or approved by MCE and applies to all CCE customers. MCE alone sets its electric generation rates and would look at Antioch's potential impact on those generation rates.

If accepted for membership, MCE would work with the City of Antioch to plan and conduct community outreach before the community is enrolled and service begins. California state law requires that four enrollment notices be sent to every electricity customer, and MCE provides a fifth. The notices describe how to opt-out and are sent both before and after enrollment. There is no opt-out fee if done before service starts or within 60 days of the start of MCE service. Customers opting-out after 60 days pay a one-time \$5 fee (residential) or \$25 (commercial) administrative fee. MCE also works with communities to present to community organizations and businesses, runs advertisements, creates web pages, and conducts outreach in other languages. An explanation of what bills would look like under MCE is included as Attachment "F".

ATTACHMENTS

- A. Resolution to join MCE
Exhibit A – Memorandum of Understanding
- B. Ordinance Authorizing the Implementation of a Community Choice Aggregation Program and Approving the MCE Joint Powers Agreement
- C. EBCE Letter to County (PDF)
- D. Letter of Intent to MCE (PDF)
- E. MCE Inclusion Timeline (PDF)
- F. Understanding Your Bill (PDF)

ATTACHMENT "A"

RESOLUTION NO. 2017/**

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ANTIOCH APPROVING THE MARIN CLEAN ENERGY JOINT POWERS AGREEMENT AND AUTHORIZING THE IMPLEMENTATION OF A COMMUNITY CHOICE AGGREGATION PROGRAM

WHEREAS, on September 24, 2002, the Governor signed into law Assembly Bill 117 (Stat. 2002, Ch. 838; see California Public Utilities Code section 366.2; hereinafter referred to as the "Act"), which authorizes any California city or county, whose governing body so elects, to combine the electricity load of its residents and businesses in a community-wide electricity aggregation program known as Community Choice Aggregation (CCA); and

WHEREAS, the Act expressly authorizes participation in a CCA program through a joint powers agency, and on December 19, 2008, Marin Clean Energy (MCE) was established as a joint powers authority pursuant to a Joint Powers Agreement, as amended from time to time; and

WHEREAS, on February 2, 2010, the California Public Utilities Commission certified the "Implementation Plan" of MCE, confirming MCE's compliance with the requirements of the Act; and

WHEREAS, on September 27, 2006, AB32 was signed into law establishing the goal of reducing the state's greenhouse gas emissions to 1990 levels by 2020; and

WHEREAS, on June 23, 2009, the City Council of Antioch unanimously approved Resolution 2009/57 adopting GHG reduction targets to reduce overall carbon emissions by 25% by 2020 and 80% by 2050; and

WHEREAS, on May 24, 2011, the Antioch City Council adopted the Community Climate Action Plan, which outlines the potential programs, including purchasing renewable energy, to implement to meet the emissions reduction goals in Resolution 2009-57; and

WHEREAS, the City of Antioch is committed to the development of renewable energy generation and energy efficiency improvements, reduction of greenhouse gases, protection of the environment, and fully supports MCE's current electricity procurement plan, which targets more than 50% renewable energy content; and

WHEREAS, in 2015, 36-percent of overall community wide greenhouse gas emissions in Antioch was caused by energy use and Antioch has a considerable opportunity to impact emissions through energy conservation, energy efficiency, and the use of renewable energy sources; and

AT
C6

RESOLUTION NO. 2017/**

May 23, 2017

Page 2

WHEREAS, electricity in Antioch is generated and provided by Pacific Gas and Electric Company (PG&E) and there is not presently an alternative provider in the City. PG&E is currently working to add more renewable energy to its power mix under California's renewable portfolio standard and is on track to have 33-percent renewables by the end of 2020; and

WHEREAS, the City finds it important that its customers- residents, businesses, and public facilities- have alternative choices to energy procurement beyond PG&E; and

WHEREAS, the City of Antioch finds that joining MCE will offer Antioch customers choice in their power provider and will help Antioch meet the state goal set out in AB32 and the goals outlined in the City's Resolution 2009/57; and

WHEREAS, on May 5, 2017, the City Manager sent a Letter of Intent to Marin Clean Energy requesting that they conduct a membership analysis for Antioch; and

WHEREAS, in order to become a member of MCE, the MCE Joint Powers Agreement requires the City to individually adopt an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction by and through its participation in MCE.

WHEREAS, in order to become a member of MCE, the MCE Joint Powers Agreement requires the City of Antioch to individually adopt a resolution requesting membership in MCE and an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Antioch, based upon all of the above, requests that the Board of Directors of MCE approve the City of Antioch as a member of MCE and directs the City Manager to do the following:

1. Execute a Memorandum of Understanding between the City of Antioch and MCE exploring inclusion in MCE (Exhibit A);
2. Forward a copy of this resolution to MCE.

AT
C7

RESOLUTION NO. 2017/**

May 23, 2017

Page 3

* * * * *

I **HEREBY CERTIFY** that the foregoing resolution was passed and adopted by the City Council of the City of Antioch at a regular meeting thereof, held on the 23rd day of May, 2016 by the following vote

AYES:

NOES:

ABSENT:

ARNE SIMONSEN
CITY CLERK OF THE CITY OF ANTIOCH

~~AD~~
C8

Exhibit A
Memorandum of Understanding between MCE and City of Antioch
Exploring Inclusion in MCE

This Memorandum of Understanding (MOU), regarding MCE membership consideration is entered into by and between MCE and City of Antioch ("City").

WHEREAS, the City has expressed interest in exploring membership in MCE,
and

WHEREAS, MCE has a Policy to consider new community inclusion, subject to receipt of a complete application and subject to MCE analysis and approval, and

WHEREAS, MCE and City are collaborating to determine the feasibility of including Antioch within MCE's Service area and approving the City's application for membership; and

WHEREAS, MCE and City have a mutual interest in following the guidelines below,

NOW THEREFORE, the parties hereto agree as follows:

1. City agrees to assign one staff member as primary point of contact with MCE. Assigned staff member will support and facilitate communication with other City staff and officials, as well as provide input and high-level assistance on community outreach.
2. City will work with MCE to conduct public outreach about the MCE program to aid in outreach and education and to collect feedback from the community. Options to publicize include, but are not limited to, website, social media, public events, community workshops, and newsletter announcements, as well as distribution of flyers and handouts provided by MCE.
3. City will complete and submit 'MCE Membership Application' to MCE.
4. After receipt of complete Membership Application MCE will conduct a quantitative analysis to determine feasibility of adding City to the MCE Service Area, and approve membership if analysis results are positive.
5. Subject to membership approval by the MCE Board, City agrees to publicize and share information about MCE within its community during the 6 month enrollment period. Options to publicize include, but are not limited to, website, social media, public events, community workshops, and newsletter announcements (where feasible), as well as distribution of flyers and handouts provided by MCE at City offices.

Act
C9

6. Subject to membership approval by the MCE Board, City agrees to provide desk space for up to 2 MCE staff during the 6 month enrollment period, and agrees to consider ongoing desk space availability if needed for effective and efficient outreach.

IN WITNESS WHEREOF, the parties hereto have executed this MOU.

MCE:

By:

Dawn Weisz, CEO
MCE

Date

City of Antioch:

By:

Ron Bernal, City Manager
City of Antioch

Date

AS
CIO

ATTACHMENT "B"

ORDINANCE NO.

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF ANTIOCH APPROVING THE MARIN CLEAN ENERGY JOINT POWERS AGREEMENT AND AUTHORIZING THE IMPLEMENTATION OF A COMMUNITY CHOICE AGGREGATION PROGRAM

WHEREAS, on September 24, 2002, the Governor signed into law Assembly Bill 117 (Stat. 2002, Ch. 838; see California Public Utilities Code section 366.2; hereinafter referred to as the "Act"), which authorizes any California city or county, whose governing body so elects, to combine the electricity load of its residents and businesses in a community-wide electricity aggregation program known as Community Choice Aggregation (CCA); and

WHEREAS, the Act expressly authorizes participation in a CCA program through a joint powers agency, and on December 19, 2008, Marin Clean Energy (MCE) was established as a joint powers authority pursuant to a Joint Powers Agreement, as amended from time to time; and

WHEREAS, on February 2, 2010, the California Public Utilities Commission certified the "Implementation Plan" of MCE, confirming MCE's compliance with the requirements of the Act; and

WHEREAS, on September 27, 2006, AB32 was signed into law establishing the goal of reducing the state's greenhouse gas emissions to 1990 levels by 2020; and

WHEREAS, on June 23, 2009, the City Council of Antioch unanimously approved Resolution 2009/57 adopting GHG reduction targets to reduce overall carbon emissions by 25% by 2020 and 80% by 2050; and

WHEREAS, on May 24, 2011, the Antioch City Council adopted the Community Climate Action Plan, which outlines the potential programs, including purchasing renewable energy, to implement to meet the emissions reduction goals in Resolution 2009-57; and

WHEREAS, the City of Antioch is committed to the development of renewable energy generation and energy efficiency improvements, reduction of greenhouse gases, protection of the environment, and fully supports MCE's current electricity procurement plan, which targets more than 50% renewable energy content; and

WHEREAS, in 2015, 36-percent of overall community wide greenhouse gas emissions in Antioch was caused by energy use and Antioch has a considerable opportunity to impact emissions through energy conservation, energy efficiency, and the use of renewable energy sources; and

PH
CU

WHEREAS, electricity in Antioch is generated and provided by Pacific Gas and Electric Company (PG&E) and there is not presently an alternative provider in the City. PG&E is currently working to add more renewable energy to its power mix under California's renewable portfolio standard and is on track to have 33-percent renewables by the end of 2020; and

WHEREAS, the City finds it important that its customers- residents, businesses, and public facilities- have alternative choices to energy procurement beyond PG&E; and

WHEREAS, the City of Antioch finds that joining MCE will offer Antioch customers choice in their power provider and will help Antioch meet the state goal set out in AB32 and the goals outlined in the City's Resolution 2009/57; and

WHEREAS, on May 5, 2017, the City Manager sent a Letter of Intent to Marin Clean Energy requesting that they conduct a membership analysis for Antioch; and

WHEREAS, in order to become a member of MCE, the MCE Joint Powers Agreement requires the City to individually adopt an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction by and through its participation in MCE.

THE CITY COUNCIL OF THE CITY OF ANTIOCH DOES ORDAIN AS FOLLOWS:

Section 1. The City of Antioch has been actively investigating options to provide electric services to constituents within its service area with the intent of promoting use of renewable energy, reducing energy related greenhouse gas emissions, and providing Antioch residents and businesses with alternatives to Pacific Gas & Electric Company.

Section 2. On September 24, 2002, the Governor signed into law Assembly Bill 117 (Stat. 2002, ch. 838; see California Public Utilities Code section 366.2; hereinafter referred to as the "Act"), which authorizes any California city or county, whose governing body so elects, to combine the electricity load of its residents and businesses in a community-wide electricity aggregation program known as Community Choice Aggregation (CCA).

Section 3. The Act expressly authorizes participation in CCA program through a joint powers agency, and on December 19, 2008, Marin Clean Energy (MCE) was established as a joint powers authority pursuant to a Joint Powers Agreement, as amended from time to time.

Section 4. On February 2, 2010 the California Public Utilities Commission certified the "Implementation Plan" of the MCE, confirming the MCE's compliance with the requirements of the Act.

BT
C12

Section 5. In order to become a member of MCE, the Act requires the City of Antioch to individually adopt an ordinance electing to implement a Community Choice Aggregation program within its jurisdiction by and through its participation in the MCE.

Section 6. Based upon all of the above, the City of Antioch Council elects to implement a Community Choice Aggregation program within the City of Antioch's jurisdiction by and through the City of Antioch's participation in Marin Clean Energy. The City Manager is hereby authorized to execute the MCE Joint Powers Agreement.

Section 7. If any section, subsection, subdivision, sentence, clause, phrase, or portion of this Ordinance for any reason is held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council hereby declares that it would have adopted this Ordinance, and each section, subsection, subdivision, sentence, clause, phrase, or portion thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, sentences, clauses, phrases, or portions thereof be declared invalid or unconstitutional.

Section 8. This ordinance shall take effect on the later of (a) the date the - Board of Directors of MCE adopts a Resolution adding the City of Antioch as a member of MCE, or (b) 30 days after its adoption and, before the expiration of 30 days after its passage.

Section 9. The City Clerk shall either (a) have this Ordinance published in a newspaper of general circulation once within fifteen (15) days after its adoption, or (b) have a summary of this Ordinance published twice in a newspaper of general circulation, once five (5) days before its adoption and again within fifteen (15) days after adoption.

* * * * *

I **HEREBY CERTIFY** that the foregoing ordinance was introduced at a regular meeting of the City Council of the City of Antioch held on the 23rd day of May 2017, and passed at a regular meeting thereof, held on the ____ day of _____, by the following vote:

AYES:

NOES:

ABSENT:

Sean Wright, Mayor of the City of Antioch

ATTEST:

Arne Simonsen, City Clerk of the City of Antioch

30
014

ATTACHMENT "C"



February 21, 2017

John Kopchik
Director, Department of Conservation and Development
Contra Costa County
30 Muir Street
Martinez, CA 94553

Dear Mr. Kopchik:

This letter is in response to your request for East Bay Community Energy (EBCE) to indicate its desire to expand beyond Alameda County and its willingness to engage interested Contra Costa County jurisdictions as EBCE members. This letter also outlines the terms of EBCE membership.

As you may know, the EBCE Board of Directors met for the first time on January 30, 2017. During that meeting, the Board had a robust discussion on this topic and was strongly in favor of formally inviting Contra Costa County and its Cities to join EBCE. The general sense was that it would be an exciting and positive development to have a more regionally focused East Bay Community Choice Energy (CCE) program. Some EBCE Board members expressed a willingness to present at your upcoming Board of Supervisors and City Council meetings as Contra Costa County officials deliberate on which CCE option would be in the best interests of their constituents.

With regards to the terms of membership, the EBCE Board discussed each of the points your letter raised, and we can provide you the following feedback:

- **Cost to Join:** The Board agreed that there would be no cost for Contra Costa County jurisdictions to join the JPA. EBCE will absorb all of the initial launch expenses, including load data analysis, communications costs and noticing requirements. The Board believes these one-time costs are offset by the longer-term value of including Contra Costa County communities in order to form a larger, regional program. We do request, however, that new member jurisdictions identify appropriate municipal staff to assist in coordinating the JPA resolution and Agreement, passage of the CCE ordinance and help with local public outreach, such as organizing workshops and having a presence at community events.
- **Required actions and steps in the membership process:** The Board agreed that the steps for joining EBCE would be the same as for the Alameda County jurisdictions, namely that the prospective members must pass the required CCA ordinance, authorize access to their load data, hold at least two duly noticed public hearings, and pass the JPA resolution in order to become a party to the EBCE Joint Powers Agreement. A copy of the CCE ordinance, JPA Agreement and JPA resolution are attached for your reference. For the purposes of completing EBCE's implementation plan, conducting public outreach, and procuring power for customers in new member jurisdictions, we request that interested jurisdictions cast deciding votes by June 30, 2017. It should be noted that there will be additional opportunities to join EBCE in 2018, if that is preferred. See below for more information regarding timing.

AT C15

Letter to John Kopchik, Director
Department of Conservation and Development
Contra Costa County
February 21, 2017


- **Representation on EBCE Board:** Each Contra Costa County jurisdiction choosing to join EBCE will have a seat on its Board, which is the same manner of representation as other Alameda County members. As you may know, EBCE has a two-tiered voting structure, the first being one-city/one-vote with simple majority to carry the vote. In this case, every jurisdiction will have one equal vote, and it is anticipated that most votes will proceed in this fashion. However, if at least three members call for a weighted vote, then each city's voting share would be determined by its electrical load; weighted votes may only be used to overturn an affirmative vote and may not be used to resurrect or overturn a negative vote. Please see Attachment 4 for a comparison of EBCE and CCCo jurisdictional loads. New Board members can be seated once the JPA resolution has been passed, and the first and second readings of the CCE ordinance are complete.
- **Estimated date of service commencement:** Your letter asked for a date when electric service could begin. As of this writing, it is likely that EBCE will begin serving Phase 1 customers (a subset of the total number of accounts) in Spring of 2018. Phase 2 customers, including additional Contra Costa County accounts, would be enrolled in the Summer or Fall of 2018. Cities that join after the June 30th deadline or in 2018 will be enrolled in Phase 3, likely to be the late Fall of 2018 or Spring of 2019.

The EBCE Board is excited about the prospect of creating a regional East Bay Community Energy program. A member of our Board and Alameda County interim staff will attempt to attend as many of your upcoming presentations as possible, including the Board of Supervisors meeting on March 21. If possible, we would very much like the opportunity to make a more formal presentation at that meeting if the Contra Costa County Board of Supervisors and staff are agreeable.

Finally, for the purposes of planning, it would be helpful to know how many Contra Costa County jurisdictions would be interested in joining EBCE. As noted above, we are requesting that the County and any interested cities complete their decision-making and passage of the required resolution and ordinance by June 30, 2017 if they are interested in a Spring/Summer 2018 enrollment period.

We hope this addresses your questions on behalf of Contra Costa County and interested cities. Please don't hesitate to contact us if you'd like to discuss any of these matters further.

Sincerely Yours,



Chris Bazar
Director, Alameda County Community Development Agency

Cc: EBCE Board of Directors

Attachments:

- 1) EBCE JPA Agreement and sample resolution
- 2) Copy of CCE ordinance
- 3) PG&E Attestation form for load data authorization
- 4) Load size / voting shares comparison by jurisdiction

BT/C16

ATTACHMENT "D"



May 5, 2017

Dawn Weisz
MCE Chief Executive Officer
1125 Tamalpais Avenue
San Rafael, CA 94901

RE: City of Antioch Letter of Intent

Dear Ms. Weisz:

Based on the presentation to Antioch City Council on February 14, 2017 by Contra Costa County regarding Community Choice Energy, I am pleased to provide this letter requesting that Marin Clean Energy (MCE) conduct a Membership Analysis to explore whether extending membership to the City of Antioch would be mutually beneficial in providing residents and businesses greater choice and cost-saving in the energy marketplace, while also achieving environmental benefits for our community.

On June 23, 2009, the City Council of Antioch unanimously approved Resolution 2009/57 adopting GHG reduction targets to reduce overall carbon emissions by 25% by 2020 and 80% by 2050. On May 24, 2011, the City Council approved the Community and Municipal Climate Action Plans. These plans highlight possible programs and actions that the city can use to reach the reduction goals adopted with Resolution 2009/57.

In our most recent re-inventory of greenhouse gas emissions, for 2015 36% percent of overall community-wide GHG emissions in Antioch were related to the energy consumption of buildings in the community. Community choice energy creates a substantial opportunity to reduce these emissions without burdening residents with financial costs.

In addition to offering competitive energy rates and a high percentage of electricity coming from renewable resources, we are interested in MCE's incentive programs that encourage community members to become more energy efficient. We believe membership in MCE could advance the City's CAP goals, while providing residents choices in the energy marketplace, where none currently exist. Please use Julie Haas-Wajdowicz, our Environmental Resource Coordinator (jhaaswajdowicz@c.antioch.ca.us, 925-779-7097), as the City's designated point of contact for this matter.

Sincerely,

Ron Bernal, PE
City Manager

OFFICE OF THE CITY MANAGER

200 H Street, Antioch, California 94509 • P.O. Box 5007, Antioch, California 94531-5007 • Telephone: 925-779-7011 • www.ci.antioch.ca.us

DT
CIT

ATTACHMENT "E"



Contra Costa Community Inclusion

Required Next Steps for Joining MCE

After a community's Board or Council votes to join MCE, prospective new member-communities must complete the following membership application requirements **by June 30, 2017**:

1. adoption of a resolution requesting MCE membership;
2. adoption of an ordinance required by the Public Utilities Code Section 366.2(c) (10);
3. executed Memorandum of Understanding (MOU) between MCE and the Board or Council; and
4. signed request for electricity load data from PG&E.

County assessor data for building stock in the jurisdiction is required for MCE's Energy Efficiency program implementation, but MCE already has this data from previous enrollments of Contra Costa communities.

ACTIVITY	PROJECTED TIMELINE*
Technical study completion	August 2017
MCE Board votes to allow new communities to join	September 2017
Board representation for new communities appointed	September 2017
Procurement of Power Supply	September 2017 – January 2018
Community outreach plans developed with staff	September 2017 – January 2018
Public facing community outreach	January 2018 – August 2018
Communities begin service	May 2018

*Dates are tentative until the June 30, 2017 Inclusion Period deadline has passed and may be subject to change thereafter.

Technical Study

Following the June 30, 2017 Inclusion Period deadline, MCE will conduct an internal technical study to determine the impacts that the additional, cumulative electricity load will have on MCE's rates and ability to achieve greenhouse gas reductions. This study will inform MCE's Board Directors' vote to include new member-communities.

Community Outreach

While MCE's initial community outreach began during the County's exploration of community choice energy, a more focused and intensive community outreach process will ensue with meetings including City/County staff, elected leaders, and/or community-based organizations. MCE will draft a Community Outreach Plan with input from community staff to determine the following:

- Appropriate demographic-based outreach strategies
- Popular community events, tabling opportunities, and popular public gathering spaces
- Community-specific advertising campaigns and communication channels
- Community-based organizations, local businesses, municipal service providers (including school districts), and the most hard-to-reach sectors of the community

This process will include generating an outreach timeline and forming a Community Leader Advisory Group (CLAG) in each jurisdiction that requests one. The CLAG will meet several times during the outreach period to provide input and help inform MCE's outreach activities.

EV
2/18

MCE staff welcomes ongoing input and feedback from the City or Town Council and/or Board. In order to support local government staff, MCE staff will host "office hours" at Town or City Halls to answer questions from the public. During this time, MCE will offer to train interested public-facing staff on basic Q&A concerning MCE and Community Choice. If a member of the public arrives with a question that staff cannot answer, the staff will have the tools necessary to escalate the concern to MCE's call center. During enrollment, MCE's call center will be open 24/7 to answer questions or opt customers out or up. The call center has translation services available in over 100 languages.

Required Mailings

When MCE launches service to new communities it is required by law to send a minimum of four mailed notices informing all electricity account holders of the change in their electricity service. This includes two mailers before the start of service and two mailers after. MCE exceeds the minimum legal requirements by sending a fifth mailed notice.

Mailers with specific information will be sent to customers that are enrolled in special programs such as solar net energy metering, Balanced Payment Plan, or discounted rates for energy (i.e., CARE, FERA). Depending on community demographics, mailers may include other languages to maximize community engagement. This will compliment MCE marketing materials, which are often printed in English and Spanish.

Cost Comparison

MCE and PG&E cost comparisons will be included in the required enrollment notices, similar to the example below. MCE also provides up-to-date cost comparisons and downloadable "cost calculator" on its website so that individual electricity customers can develop an approximate, customized cost comparison based on their own typical energy usage.

SAMPLE RESIDENTIAL COST COMPARISONS

	30% Renewable PG&E	50% Renewable MCE Light Green	100% Renewable MCE Deep Green	100% Local MCE Local Sol
PG&E Electric Delivery†			\$54.25	
PG&E Additional Fees	—	\$13.25	\$13.25	\$13.25
Electric Generation	\$43.78	\$30.26	\$34.71	63.19
TOTAL MONTHLY COST	\$98.03	\$97.76	\$102.21	\$130.69

Based on a typical usage of 445 kWh current PG&E rates and MCE rates under the/E-1 rate schedule. Actual differences may vary depending on usage, rate schedule, and other factors. Estimate provided is an average of seasonal rates.

† PG&E electric delivery rates are the same for MCE and PG&E customers and are available at pge.com.

Launch of Service

MCE anticipates beginning its launch of service (i.e., enrollment of electricity accounts) in May 2018. At any time, customers will have the opportunity to opt out of MCE service or opt up to MCE's 100% renewable energy options. MCE highly encourages customers who know they want to opt out, to do so as soon as they are able. They can opt out as soon as they hear about MCE by calling 1 (888) 632-3674 or visiting mceCleanEnergy.org/opt-out. Customers can opt out within the first 60 days of service without any charges. If customers choose to opt out after the first 60 days of service, there is a one-time \$5 fee for residences and a one-time \$25 fee for businesses. PG&E's terms and conditions also require customers to remain with their service for at least a year if they opt out after the first 60 days of MCE service.

EZ
C19

This page shows where the clean, renewable energy comes in!

ENERGY STATEMENT
www.pge.com/MyEnergy

Account No: 0123456789-0
 Statement Date: 12/29/2015
 Due Date: 01/19/2016

Details of MCE Electric Generation Charges
 11/20/2015 - 12/19/2015 (30 billing days)
 Service For: 106 CLEAR VISTA DR
 Service Agreement ID: 887584210 ESP Customer Number: 0123456789
 11/20/2015 - 12/19/2015

Rate Schedule: E-1	388.000000 kWh @ \$0.01000	\$3.88
Deep Green Generation - Total	388.000000 kWh @ \$0.02200	\$8.54
Net Charge	\$5.70	
Utility Users Tax		3.57
Energy Surcharges		0.11
Total MCE Electric Generation Charges		\$39.38

Service Information
 Total Usage: 388.000000 kWh
 For questions regarding charges on this page, please contact:
 MCE
 1125 Tempeville Avenue
 SAN RAFAEL, CA 94901
 1-888-632-3574
www.mcecleanenergy.org

Additional Messages
 MCE is a not-for-profit, public agency that sources 50-100% renewable energy for your power needs, called electric generation.
 PG&E continues to provide and bill for electric delivery services. MCE replaces PG&E's charge for electric generation. This is reflected in the "Generation Credit" line item shown on the Details of PG&E Electric Delivery Charges page of your bill.
 Gas services are not provided by MCE.

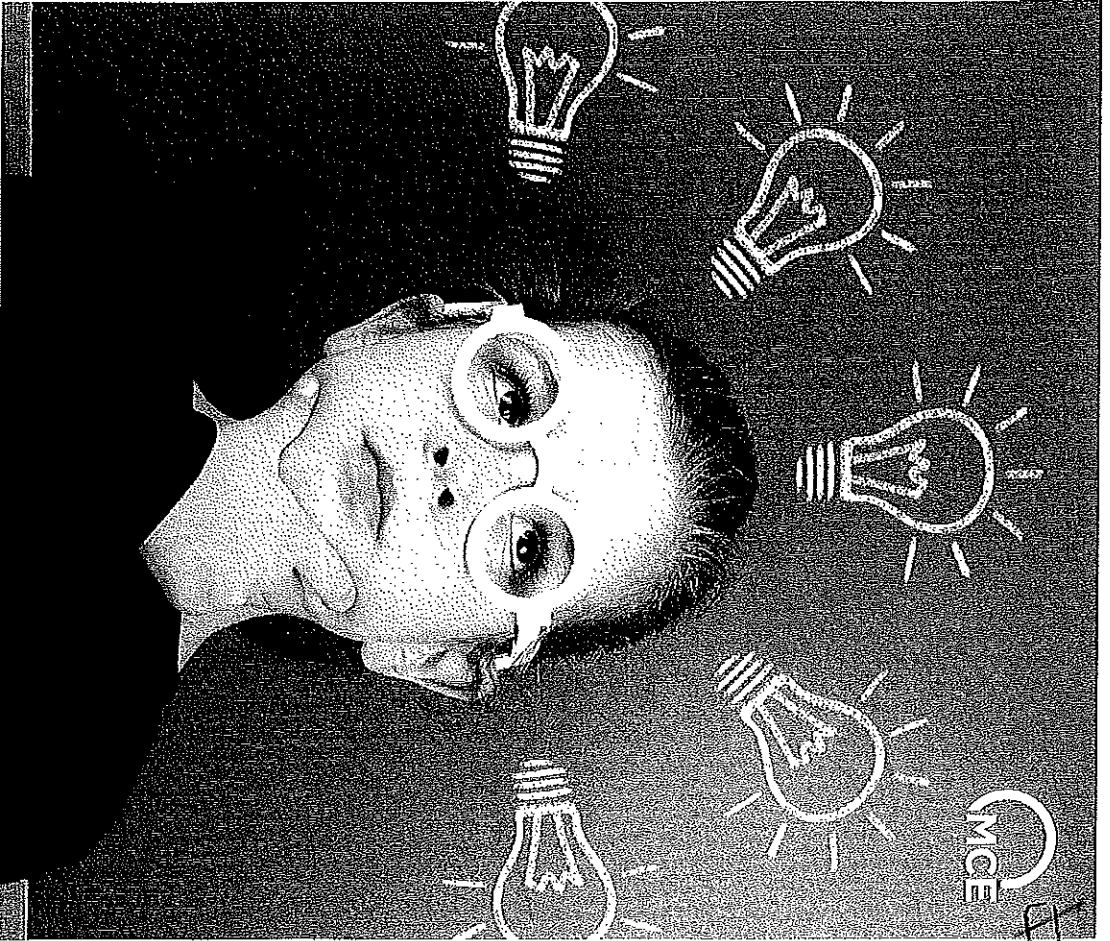
ATTACHMENT "F"

- 9. Rate Schedule**
 Your rate schedule is based on your selected PG&E rate and determines how you are charged for the electricity provided. For details on rates, visit mceCleanEnergy.org/rates.
- 10. Deep Green**
 If you have chosen Deep Green 100% renewable energy service, you will have a line item for the penny per kilowatt-hour (\$0.01/kWh) Deep Green premium. Half of this premium, which is ~\$5 for the typical home, funds local renewable energy project development.
- 11. Utility Users Tax**
 Some cities may assess customers a Utility Users Tax, which is calculated as a percentage within both your PG&E delivery and MCE generation charges.
- 12. Energy Surcharge**
 This charge applies regardless of your service provider. It is collected from all customers on behalf of the California Energy Commission.



Printed using responsibly forested paper and soy ink

We're here to answer your questions!
mceCleanEnergy.org
info@mceCleanEnergy.org
 1 (888) 632-3574



UNDERSTANDING YOUR ELECTRIC BILL

This is what you will see on your bill as an MCE customer. Thank you for supporting renewable energy and creating a brighter future!

023

While MCE is in charge of sourcing the energy you use behind the scenes, PG&E will still send your monthly bill. Instead of one fee that combines both your electric delivery fees and electric generation fees, your bill will now show separate line items — one for PG&E electric delivery and one for MCE electric generation. MCE's generation rates simply replace PG&E's generation rates; they are not an added fee. Here are some things you should know:

- » PG&E will no longer charge you for electric generation, since MCE now procures your energy from 50-100% renewable sources, depending on your service choice.
- » PG&E will continue to provide and charge you for electric delivery — the transmission and distribution of your electricity, as well as required regulatory fees — at the same rates.
- » Because PG&E and MCE work together to provide separate parts of your electric service, your bill will include charges from both PG&E and MCE, but there will never be any duplicate charges.

ENERGY STATEMENT
www.pge.com/MyEnergy

Account No: 0123456789-0
Statement Date: 12/29/2015
Due Date: 01/19/2016

Service For:
DEE P. GREENE
100 CLEAR VISTA DR
RICHMOND, CA 94804

Questions about your bill?
24 hours per day, 7 days per week
Phone: 1-866-742-3333
www.pge.com/MyEnergy

Local Office Address:

Your Account Summary

Amount Due on Previous Statement	\$54.14
Payment(s) Received Since Last Statement	-\$4.14
Previous Unpaid Balance	\$0.00
Current PG&E Electric Delivery Charges	\$34.94
MCE Electric Generation Charges	39.38
Current Gas Charges	13.55
Total Amount Due by 01/12/2016	\$87.87

This line will indicate "Automatic Payment Service" if you have signed up for APS.

Important definitions
Ratting usage blocks are subject to change without advance notice due to operational conditions. Tier 1 (Baseline) allowances: All residential customers are given a Tier 1 Allowance + Civic Service Allowance + Winter Month. Your Tier 1 allowance provides for basic needs at an affordable price and encourages conservation. Your allowance is designed based on the electric usage you have used in the past. As you use more energy, you pay more for each tier of usage.

Electric Tier	% of Baseline
1	0% - 100%
2	101% - 150%
3	151% - 200%
4	> 200%

Your Electric Charges Breakdown

Distribution	6.83
Transmission	91.82
Electric Public Purpose Programs	5.09
Nuclear Decommissioning	0.28
DWR Bond Charge	2.04
Competition Transition Charge (CTC)	0.28
Energy Cost Recovery Amount	-1.88
PCA	4.54
Taxes and Other	3.44
Total Electric Charges	\$254.57

- 1 Account Number**
Your PG&E-assigned number to identify your account. Please have the first 10 digits on hand if you call to enroll in MCE's Deep Green or Local Sol service options, or if you opt out.
- 2 PG&E Electric Delivery Charges**
PG&E's charge for the delivery of electricity. It includes the cost of moving energy from the grid to your home or business and maintaining the electric lines so that you have reliable service, rain or shine!
- 3 MCE Electric Generation Charges**
MCE's charge for the generation of electricity. It includes the cost of actual electricity needed to match your home or business energy needs. It replaces a fee that PG&E would collect if they were providing your generation service and is not an additional charge.

ENERGY STATEMENT
www.pge.com/MyEnergy

Account No: 0123456789-0
Statement Date: 12/29/2015
Due Date: 01/19/2016

Details of PG&E Electric Delivery Charges
11/29/2015 - 12/18/2015 (29 billing days)

Service For: 100 CLEAR VISTA DR
Service Agreement ID: 0123456789
Rate Schedule: ET Residential Service

11/29/2015 - 12/18/2015 Your Tier Usage

Tier 1 Allowance	432.10 kWh (29 days x 14.9 kWh/day)	\$54.80
Generation Credit	388.00000 kWh @ \$0.16700	-67.94
Power Charge Indifference Adjustment		4.54
Franchise Fee Surcharge		0.28
Richmond Utility Users Tax (0.0000%)		3.15
Total PG&E Electric Delivery Charges		\$34.94

2013 Variable Power Charge Indifference Adjustment

Service Information

Meter #	1111111111
Current Meter Reading	24,787
Prior Meter Reading	24,398
Total Usage	388.00000 kWh
Baseline Territory	T
Heat Source	Electric
Serial	X
Rolling Outage Block	SS

- 4 Your Electric Charges Breakdown**
This provides a detailed summary of fees for PG&E's Electric Delivery Charges.
- 5 Tier Indicator**
This marker shows the highest tier you are being charged at. If your electric use is more than your Tier 1 Allowance, which is set by state law, and crosses into Tier 2 or 3, the price you pay per kWh will increase.
- 6 Generation Credit**
The amount PG&E would have charged you if they provided your generation service. Because you're getting your electricity from MCE, PG&E credits these fees back to you. You can compare this amount with your "Generation - Total" on the following MCE Electric Generation Charges page (\$31.82 on this sample bill).
- 7 Power Charge Indifference Adjustment (PCIA)**
PG&E collects this fee to cover the cost of energy they had contracted to purchase on your behalf prior to becoming an MCE customer.
- 8 Franchise Fee Surcharge**
This fee pays for PG&E's right to use public streets to run electric service to your home or business. This cost as well as the PCA are always included in our cost comparisons.

1210

ATTACHMENT "D"

Residential Cost Comparison Calculator

Updated 4/18/2017

Enter Your Total Monthly Usage (kWh)

(usage details can typically be found on the third page of your bill)

Select Your Billing Month

(select which range of months your bill falls in)



PG&E Delivery Costs
 Generation Costs
 Additional PG&E Fees
Total Electric Charges

PG&E Service	MCE Light Green	MCE Deep Green
\$64.97	\$64.97	\$64.97
\$49.19	\$34.00	\$39.00
	\$14.89	\$14.89
\$114.16	\$113.86	\$118.86

Frequently Asked Questions:

- Q: I have a CARE (California Affordable Rates for Energy) discount. Will I still receive this with MCE?
 A: CARE is a state-mandated program, and you'll receive the same discount as before. You can select CARE rates under Advanced Options above.
- Q: I have medical equipment at home and am granted a special rate by PG&E (Medical Baseline). Will I still receive this with MCE?
 A: MCE customers remain eligible for medical baseline and will still receive this discount in-full. Additionally, they are exempt from additional PG&E fees.
- Q: Does MCE offer special rates for Electric Vehicle owners?
 A: Yes, select "Advanced Options" above and select the Electric Vehicle rate. You will need to enter your time-of-use based usage.
- Q: Are MCE customers exempt from tiered rates, where I pay higher rates as I use more electricity each month?
 A: No. Tiered rates are part of the utility structure mandated by the California Public Utilities Commission, and are assessed through PG&E delivery charges.

Energy Content Breakdown	Renewable Content	Emissions Factor*	Estimated Emissions	Service Description
MCE Light Green (50%)	52%	331	165.5 lbs.	Basic MCE service (default)
MCE Deep Green (100%)	100%	0	0 lbs.	Optional 100% renewable MCE service
MCE Local Sol (100% local solar)	100%	0	0 lbs.	Optional 100% local solar MCE service
PG&E Standard	30%	405	202.5 lbs.	Basic PG&E service (opt out)
PG&E Solar Choice (50%)	65%	203	101.3 lbs.	Optional 50% solar PG&E service
PG&E Solar Choice (100%)	100%	0	0 lbs.	Optional 100% solar PG&E service

* Emissions factors as of most currently available calendar year for both PG&E and MCE as reported to The Climate Registry.

DI

ATTACHMENT "E"

Mark your calendars.

On 6/13 the Antioch City Council will decide whether to join the Community Choice Energy Joint Powers Authority of MCE Clean Energy. MCE offers to each customer in their service area a choice on how much (50% or 100%) of their electric service comes from renewable sources (solar, wind, hydro, thermal) versus a significantly lower percentage mix by PG&E.

If the City joins with MCE, the amount of Green House Gases (GHG) released into the environment attributed to the City will be lower, reducing the City's contribution to climate change. In addition, joining with MCE will significantly help the City to meet the target goal of 25% reduction of GHG by 2020 and 80% reduction of GHG by 2035, Antioch City Council Resolution 2009/57. There are other ways that the City could reduce its GHG impact but none are less invasive to rate payers or less expensive overall than joining with MCE.

It is estimated that the MCE monthly cost to each individual rate payer will be low. For discussion only, if the MCI rate should settle at 1% above current PG&E rates (expectation is that the rate will be lower than PG&E rates), the current PG&E monthly bill is \$100, then the comparative MCE bill would be \$101, an additional \$1 is not much to pay in order to make an impact on slowing climate change.

It may seem that Antioch joining with MCE is an inconsequential action relative to the overall issue of global warming. However, I am reminded of how a single grain of sand, when joined collectively, lock together to form a beach against the waves of climate change.

So join me on 6/13, at the Antioch City Council Chambers, 200 H St., Antioch, 7 PM, to urge the Antioch City Council to pass an ordinance for the City to join with MCE.

If not for yourself, but for your children's children along with all the other innocent life on this Earth.

Harry Thurston
5113 Pismo Ct.
Antioch, Ca 94531
925.303.9482
msvht@sbcglobal.net