



**Meeting of the Community Advisory Committee (CAC)
of Valley Clean Energy Alliance
Thursday, February 25, 2021
5:00 P.M.
Via Webinar**

Pursuant to the Provisions of the Governor’s Executive Orders N-25-20 and N-29-20, which suspends certain provisions of the Brown Act and the Orders of the Public Health Officers with jurisdiction over Yolo County, to Shelter in Place and to provide for physical distancing, all members of the Community Advisory Committee and all staff will attend this meeting telephonically. Any interested member of the public who wishes to listen in may join this meeting via Zoom Webinar, as set forth below.

Please note that the numerical order of items is for convenience of reference. Items may be taken out of order on the request of any CAC member with the concurrence of the other members. The CAC may decide to make a recommendation to the VCE Board regarding any of the agenda items below. Staff recommendations are advisory to the CAC. The CAC may take any action it deems appropriate on any item on the agenda even if it varies from the staff recommendation.

Members of the public who wish to listen to the CAC Webinar meeting may do so with the teleconferencing call-in number and Webinar meeting ID code.

Join meeting via Zoom WEBINAR:

- a. From a PC, Mac, iPad, iPhone, or Android device with high-speed internet.
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<https://us02web.zoom.us/j/84204514406>

Meeting ID: 842 0451 4406

- b. By phone

One tap mobile:

+16699009128,,84204514406 US

+12532158782,,84204514406 US

Dial:

+1-669-900-9128

+1-253-215-8782

Meeting ID: 842 0451 4406#

Public comments may be submitted electronically or during the meeting. Instructions on how to submit your public comments can be found in the PUBLIC PARTICIPATION note at the end of this agenda.

Committee Members:

Christine Shewmaker (Chair), Cynthia Rodriguez (Vice Chair), Yvonne Hunter, Marsha Baird, Gerry Braun, Mark Aulman, Lorenzo Kristov, David Springer, Christine Casey, Jennifer Rindahl, Peter Meyer



5:00 P.M. CALL TO ORDER

- 1. Welcome**
- 2. Approval of Agenda**
- 3. Public Comment:** This item is reserved for persons wishing to address the CAC on any VCE-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 CAC are customarily limited to two minutes per speaker, electronically submitted comments should be limited to approximately 300 words. Comments that are longer than 300 words will only be read for two minutes. All electronically submitted comments, whether read in their entirety or not, will be posted to the VCE website within 24 hours of the conclusion of the meeting. See the information under **PUBLIC PARTICIPATION** at the conclusion of this agenda about how to provide your public comment.
- 4. Brief VCEA Staff and Advisory Task Group Reports (≈ 15 minutes)** - Representatives of VCE staff and active Task Groups will provide updates on on-going staff and Task Group work. Task Group recommendations requiring Committee attention require a regular agenda item. Summaries of written reports received by the Committee in advance of the meeting will receive a time allocation of up to ten minutes. Otherwise, the time allocation will be five minutes, including questions and answers. The Committee may decide to allocate additional time at the end of the regular agenda.
 - A. Task Group Reports**
 - B. 2/11/21 Board Meeting Summary**
 - C. Staff Report**

CONSENT AGENDA (≈5 minutes)

- 5. Approval of January 28, 2021 Meeting Minutes.**
- 6. Receive Customer Enrollment update as of February 17, 2021.**
- 7. Update on Time of Use (TOU) Rates and implementation schedule. (Informational)**

REGULAR AGENDA

- 8. Recommendations on Legislative Bills (Action) (≈15 minutes):**
 - A. Senate Bill (Portantino). Electrical Corporations. Legacy Resources. Transparency.** - authorizes new sections to the Public Utilities Code designed to ensure fair and equal access to the benefits of legacy resources held in IOU portfolios and management of these resources to maximize value for all customers.
 - B. Assembly Bill (Aguiar-Curry). BioEnergy Feed-in-Tariff. Access.** – authorizes CCAs to voluntarily bring contracts to the CPUC for bioenergy projects procured via the BioMAT feed-in-tariff. **(Action) (≈15 minutes)**



9. **Approval of 2021 CAC Task Group Charges. (Discussion/Action) (≈30 minutes)**
10. **Recommendation on Valley Clean Energy policy supporting new building electrification. (Discussion/Action) (≈ 35 minutes)**
11. **Receive update on SACOG Electrify Yolo (Electric Vehicle) Grant. (Informational) (≈ 10 minutes)**
12. **Receive and update Community Advisory Committee 2021 Long-Range Calendar. (Discussion) (≈ 5 minutes)**
13. **Advisory Committee Member and Announcements. (≈ 5 minutes)** Action items and reports from members of the Advisory Committee, including announcements, reports on meetings, and information which would be of interest to the Committee or the public.
14. **Adjournment:** The next Community Advisory Committee meeting has been scheduled for Thursday, March 25, 2021 via Zoom teleconference at 5 p.m.

The Valley Clean Energy Board has scheduled a regular meeting for Thursday, March 11, 2021 at 4:00 p.m. via Zoom teleconference.

PUBLIC PARTICIPATION INSTRUCTIONS FOR UPCOMING VALLEY CLEAN ENERGY COMMUNITY ADVISORY COMMITTEE MEETING ON THURSDAY, FEBRUARY 25, 2021 AT 5:00 P.M.:

PUBLIC PARTICIPATION. Public participation for this meeting will be done electronically via e-mail and during the meeting as described below.

Public participation via e-mail: If you have anything that you wish to be distributed to the CAC and included in the official record, please e-mail it to VCE staff at Meetings@ValleyCleanEnergy.org. If information is received by 3:00 p.m. on the day of the CAC meeting it will be e-mailed to the CAC members and other staff prior to the meeting. If it is received after 3:00 p.m. the information will be distributed after the meeting, but within 24 hours of the conclusion of the meeting.

Verbal public participation during the meeting: If participating during the meeting, there are two (2) ways for the public to provide verbal comments:

- 1) **Computer with a microphone:** activate the “participants” icon at the bottom of your screen, then press the “raise a hand” icon.
- 2) **Phone:** Press *9 to indicate a desire to make a comment. Once called upon, press *6 to unmute your microphone.

VCE staff will acknowledge that you have a public comment to make during the item and will call upon you by name or phone number when it is your turn to comment. Speakers will be limited to no more than two minutes. Speakers will be asked to state their name for the record.



Public records that relate to any item on the agenda for a regular or special CAC meeting are available for public review on the VCE website. Records that are distributed to the CAC by VCE staff less than 72 hours prior to the meeting will be posted to the VCE website at the same time they are distributed to all members, or a majority of the members of the CAC. Questions regarding VCE public records related to the meeting should be directed to Board Clerk Alisa Lembke at (530) 446-2750 or Alisa.Lembke@ValleyCleanEnergy.org. The Valley Clean Energy website is located at: <https://valleycleanenergy.org/cac-meetings/>.

Accommodations for Persons 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 Alisa Lembke, VCE Board Clerk/Administrative Analyst, as soon as possible and preferably at least two (2) working days before the meeting at (530) 446-2754 or Alisa.Lembke@ValleyCleanEnergy.org

VALLEY CLEAN ENERGY ALLIANCE

Staff Report - Item 5

TO: Community Advisory Committee

FROM: Alisa Lembke, Board Clerk/Administrative Analyst

SUBJECT: CAC January 28, 2021 Meeting Minutes

DATE: February 25, 2021

Recommendation

Receive, review and approve the attached January 28, 2021 meeting minutes.



**MINUTES OF THE VALLEY CLEAN ENERGY ALLIANCE
COMMUNITY ADVISORY COMMITTEE
MEETING
THURSDAY, JANUARY 28, 2021
VIA TELECONFERENCE**

Chair Hunter opened the Community Advisory Committee of the Valley Clean Energy Alliance in a special meeting on Thursday, December 17, 2020 beginning at 5:02 p.m. via teleconference pursuant to the Provisions of the Governor's Executive Orders N-25-20 and N-29-20, which suspends certain provisions of the Brown Act and the Orders of the Public Health Officers with jurisdiction over Yolo County, to shelter in place and to provide for physical distancing.

Welcome and Roll Call

Committee Members Present: Christine Shewmaker (Chair), Cynthia Rodriguez (Vice Chair), Yvonne Hunter Marsha Baird, Gerry Braun, Lorenzo Kristov, David Springer, Christine Casey (departed at 6:15 p.m.), Jennifer Rindahl (departed at approximately 7:03 p.m.), Peter Meyer (joined at 5:19 p.m.)

Committee Members Absent: Mark Aulman

Approval of Agenda Yvonne Hunter made a motion to approve the January 28, 2021 meeting Agenda, seconded by Marsha Baird. Motion passes with Aulman and Meyer absent.

Public Comment / Introductions There were no written or verbal public comments.

Task Group and VCE staff reports **Task Group Reports**

Legislative/Regulatory Task Group – Ms. Hunter informed those present that the Legislative Platform was adopted by the Board at their last meeting. A couple of changes were made, those changes can be found in the Board's meeting packet on this item. The Task Group met last Friday at the request of Staff to discuss a few upcoming legislative bills and are waiting for the Task Group to be formally approved at tonight's meeting.

Outreach Task Group: Since Mark Aulman was absent, Ms. Hunter provided an update that the Task Group has been working with Staff on the Marketing Plan and SWOT analysis and on messaging of the power content label.

Programs Task Group: Ms. Baird informed those present that the Task Group has been working with Staff on the Program Plan with the goal to have the Plan ready for the CAC's review in the next month or two.



Strategic Plan Task Group: No meeting was held.

Rates Task Group: No meeting was held.

1/21/2021 Special Board meeting summary: Interim General Manager Mitch Sears informed those present that several items were approved by the Board: CAC Charge incorporating the 3-year Strategic Plan and Environmental Justice statement; Jim Parks Consulting agreement was extended for another year and now includes key accounts tasks; VCE's participation in the Arrearage Management Plan (ARM); Power Purchase Agreement with NextEra; acceptance of large hydro attributes for 2021 from Pacific Gas & Electric (PG&E); and, the 2021 Procurement Plan.

Peter Meyer joined at 5:19 p.m.

Staff Report: Mr. Sears introduced Edward Burnham as the new Director of Finance and Internal Operations replacing George Vaughn. The legislative session is getting under way with CalCCA sponsoring a bill on PCIA (power charge indifference adjustment). Within the CPUC, proceedings/discussions are moving forward on the energy outage events that occurred in 2020 and how to remedy the issues so that in 2021 and beyond the same issues do not occur. VCE and a few other CCAs submitted comments proposing potential pilot programs within their service territories. Staff have briefed the Programs Task Group on these potential pilot programs. Lastly, there was a significant weather event that occurred. Staff have been in communication with PG&E, the Board and Agencies to assist in spreading information to the areas and help PG&E understand our areas' needs.

There were no written or verbal public comments.

Consent Items

Ms. Baird informed those present that corrections were made to the Programs Task Group report portion of the December 17, 2020 minutes. The wording changes have already been submitted to the Board Clerk. There were no written or verbal public comments.

Ms. Baird made a motion to approve the January 28, 2021 Consent Agenda items with corrections to the December 17, 2020 meeting minutes, seconded by Ms. Hunter. Motion passed unanimously with Meyer and Aulman absent. The following items were:

5. approved December 17, 2020 meeting Minutes as amended; and
6. received customer enrollment update as of January 20, 2021.

Item 7: Receive update on VCE's adopted 3-year Strategic Plan (Informational)

Mr. Sears introduced this item. VCE Staff George Vaughn reviewed slides providing an update [timeline, progress to date, Monday.com (project management tool), and next steps] on the VCE's adopted 3-year Strategic Plan. It was recommended that when Staff meets with the agencies, the topic of near term resiliency be discussed.



Staff will be providing at a minimum an annual update to the CAC and Board, possibly quarterly updates when needed. There were no written or verbal public comments.

Item 8: review and discuss formation of CAC Task Groups for 2021 (Discussion)

Chair Shewmaker informed those present that tonight, it is the goal to firm up the task groups for 2021 and have each task group prepare and present a draft “charge” and selected Task Group Chair to the CAC for approval at their February meeting. Chair Shewmaker suggested that each task group provide a substantive report once during the year when the task group thinks it is appropriate.

Mr. Sears reviewed Staff’s recommendation for the CAC to form five (5) task groups for 2021. The following task groups were discussed.

1. Legislative/Regulatory: works with VCE’s lobbyist and VCE Staff to provide feedback, technical information and strategic advice on key legislative and regulatory issues facing VCE and the CCA community in general.

It was suggested that this task group focus on the first year of the two-year legislative session. The primary staff contact will be Mitch Sears. Task group members will be Yvonne Hunter, Lorenzo Kristoff, and Jennifer Rindahl.

2. Outreach: collaborates with VCE staff and consultants on community outreach to, and liaison with, member communities by assisting in the development of public information strategies, planning, and materials related to VCE policies and programs.

It was suggested that messaging on the implementation of the strategic plan and Environmental Justice statement be included in the group’s charge. The primary staff contact will be Rebecca Boyles. Task group members will be Yvonne Hunter, Mark Aulman (to be confirmed as Chair), Christine Casey, and Marsha Baird.

3. Programs: planning and implementation of Customer Programs that meet with VCE’s mission.

It was suggested that a plan on how to “spend” the programs monies identified in the fiscal year 2020-2021 budget be incorporated into the group’s charge. In addition, the charge should include “collaborating with or assisting VCE Staff” rather than the group “planning and implementation of...”. The primary staff contact will be Rebecca Boyles. Task group members will be David Springer and Marsha Baird.

4. Rates: assist staff, consultants and VCE Board in reviewing, considering and evaluating existing and/or new rate options.

Members discussed the goals of this task group and suggested that “rates” be looked at more broadly. The primary contact will be Gordon Samuels. Task group members will be Lorenzo Kristof, Gerry Braun.



5. Strategic Plan (Decarbonization and Carbon Neutrality): assist staff, consultants and VCE Board in the implementation of VCE's 3 year Strategic Plan with focus on the decarbonization roadmap and 100% carbon neutrality by 2030.

Members had a lengthy discussion on the scope of this task group. It was suggested that this task group primarily focus on decarbonization and carbon neutrality; and, assist others to meet their decarbonization goals and reach carbon neutrality as it relates to the energy sector. The members also noted that many of the strategic plan goals are covered by the other task groups. This task group is to be renamed "Decarbonization and Carbon Neutrality". The primary contact will be determined later. Task group members will be Gerry Braun, Christine Shewmaker, Cynthia Rodriguez and, as needed, Lorenzo Kristov to assist with grid discussions.

Lastly, it was suggested that all of the task groups incorporate environmental and social justice into their "charge". There were no written or verbal public comments.

Yvonne Hunter made a motion to adopt the five (5) Task Groups, listed above, for 2021, seconded by Jennifer Rindahl. Motion passed by the following vote:

AYES: Hunter, Baird, Braun, Shewmaker, Kristov, Springer, Casey, Rindahl, Meyer, Rodriguez

NOES: None

ABSENT: Aulman

ABSTAIN: None

Christine Casey departed at 6:15 p.m.

Item 9: Receive 2021 Strategic Marketing Plan and make recommendation to the Board. (Discussion/Action)

VCE Staff Rebecca Boyles reviewed the 2021 Strategic Marketing Plan. The members provided their comments and suggestions, and asked questions. Ms. Boyles will report back to the CAC on how their feedback was incorporated into the Plan. There were no written or verbal public comments.

Ms. Hunter made a motion to recommend that the 2021 Strategic Marketing Plan be presented to the Board for consideration of adoption, seconded by Jennifer Rindahl. Motion passed by the following vote:

AYES: Hunter, Baird, Braun, Shewmaker, Kristov, Springer, Rindahl, Meyer, Rodriguez

NOES: None

ABSENT: Aulman, Casey

ABSTAIN: None

Item 10 – Receive quarterly power procurement update. (Informational)

VCE Staff Gordon Samuel provided an update on the 2020 Power Content Label, it's targets and forecast, and the year to date deliverables. There were no written or verbal comments.



Item 11 – New Building Electrification. (Discussion/Action)

Mr. Samuel provided the background and purpose of bringing this item of “new building electrification” to the CAC. Members asked questions, discussed possible recommendations to the Board, and provided feedback. This item will be tabled and rediscussed at the CAC’s February meeting when more information can be provided. Staff will reach out to the local jurisdictions and see what help and support they can provide VCE on developing policy options; where they are in the process; and, what additional steps should be taken. There were no written or verbal comments.

Jennifer Rindahl departed at approximately 7:03 p.m.

Item 12: Discuss VCE joining the California Community Power Agency Joint Powers Authority and make recommendation to the Board. (Discussion/Action)

Mr. Samuel reviewed the background, purpose, and highlights of the California Community Power (CC Power) Joint Powers Authority (JPA). Members asked questions and discussed this item. There were no written or verbal comments.

Ms. Hunter made a motion that the CAC recommends to the Board that Valley Clean Energy join as a member of the California Community Power Agency Joint Powers Authority, seconded by Gerry Braun. Motion passed by the following vote:

AYES: Hunter, Baird, Braun, Shewmaker, Kristov, Springer, Meyer, Rodriguez

NOES: None

ABSENT: Aulman, Casey, Rindahl

ABSTAIN: None

Item 13: Long Range Calendar

Members made suggestions to the long range calendar: SACOG grant update provided first to the CAC, then update provided to the Board; schedule a representative from SMUD to discuss their carbon neutral goal at either the CAC’s April or May meeting; and add “building electrification” item to the CAC’s February meeting.

Advisory Committee Member and Announcements

Mr. Sears informed those present that the City of Davis is in the processing of signed the Memorandum of Understanding (MOS) between VCE and the City for the SACOG Electrify Yolo grant project. This will free up VCE’s share of the grant monies for the project to begin in the City of Winters.

Adjournment to Next Meeting

The meeting adjourned at 8:09 p.m. The next regular CAC meeting is scheduled for Thursday, February 25, 2021 at 5 p.m. via teleconference.

Prepared by: Alisa M. Lembke
Board Clerk/Administrative Analyst

**VALLEY CLEAN ENERGY ALLIANCE
COMMUNITY ADVISORY COMMITTEE**

Staff Report – Item 6

TO: Community Advisory Committee
FROM: Rebecca Boyles, Director of Marketing & Customer Care
SUBJECT: Customer Enrollment Update (Information)
DATE: February 25, 2021

RECOMMENDATION

Receive the Customer Enrollment update as of February 17, 2021.

Attachment:

1. February 17, 2021 Customer Enrollment update

Item 6 - Enrollment Update

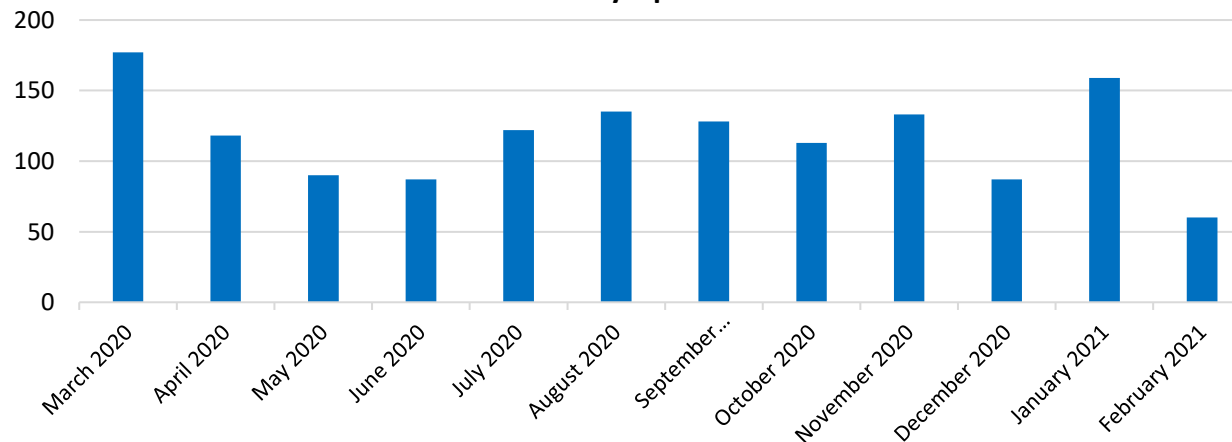
	Davis	Woodland	Winters	Yolo Co	Total	Residential	Commercial	Industrial	Ag	NEM	Non-NEM
VCEA customers	27,760	20,813	2,191	10,770	61,534	53,450	6,113	6	1,877	9,778	51,756
Eligible customers	29,048	23,723	2,364	12,267	67,402	58,503	6,660	6	2,129	10,575	56,827
Participation Rate	96%	88%	93%	88%	91%	91%	92%	100%	88%	92%	91%

There are currently 432 Winters customers not included in this table. NEM will enroll throughout 2021.

% of Load Opted Out

Residential	Commercial	Industrial	Ag	Total
9%	9%	0%	12%	9%

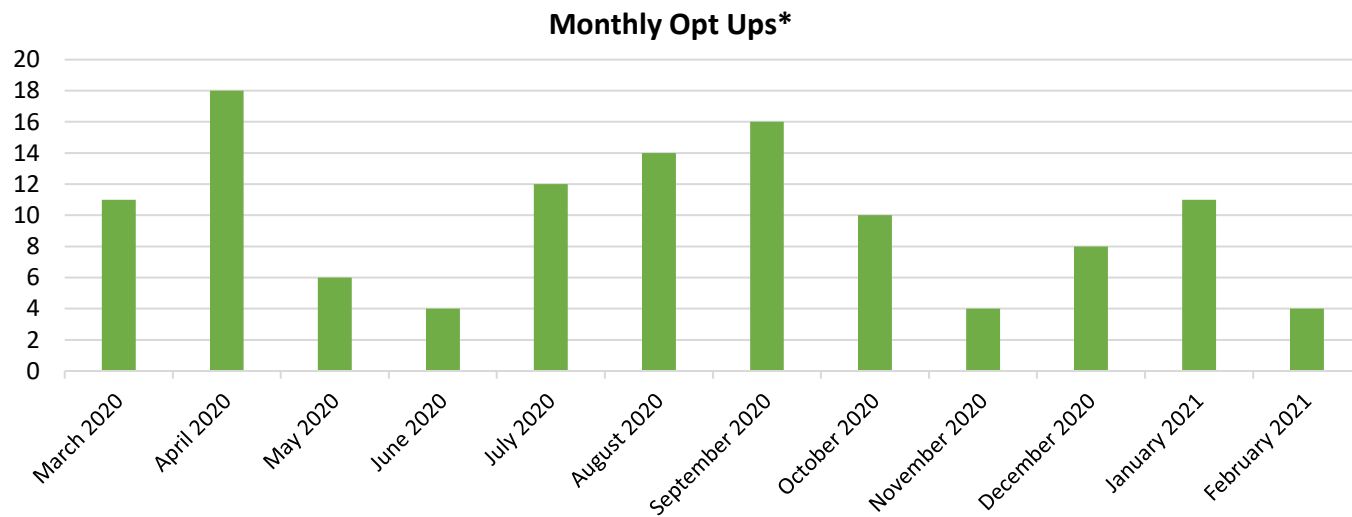
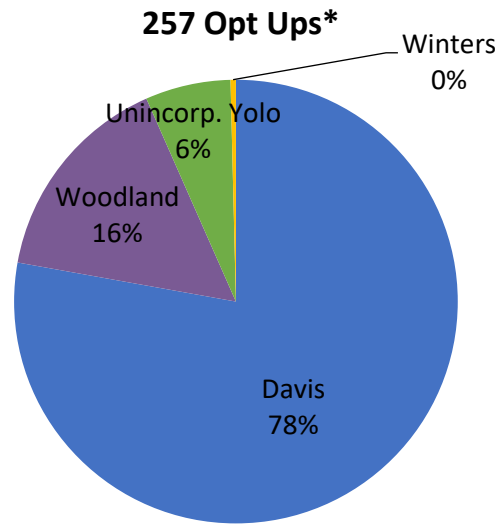
Monthly Opt Outs



Status Date: 2/17/21



Item 6 - Enrollment Update

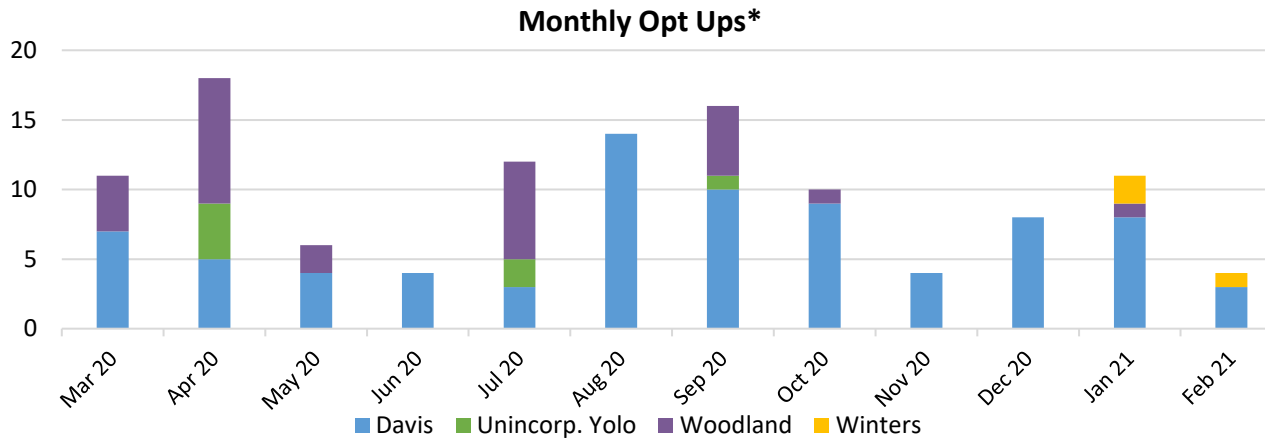
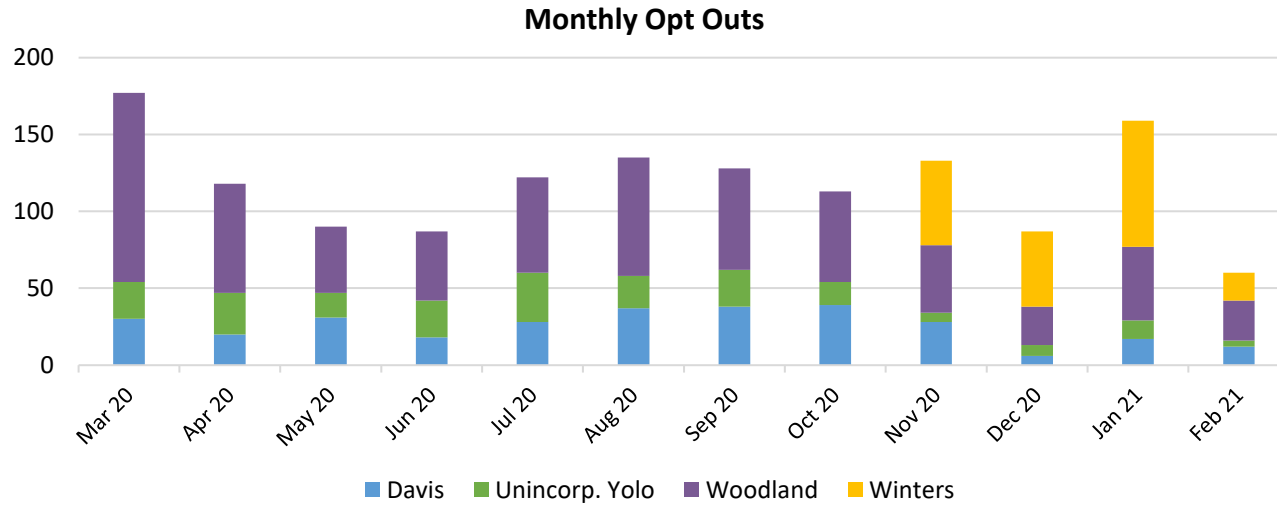


* These numbers represent opt ups for customers who are currently enrolled.

Status Date: 2/17/21



Item 6 - Enrollment Update

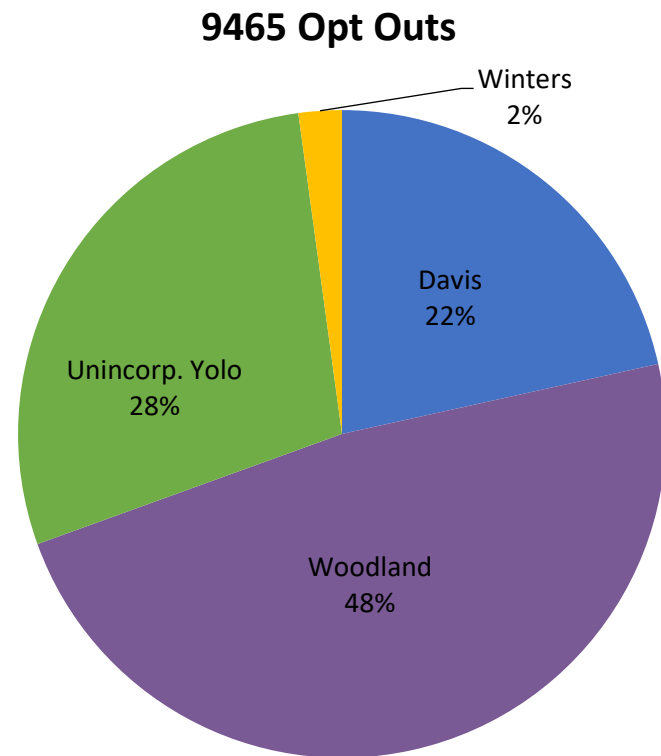
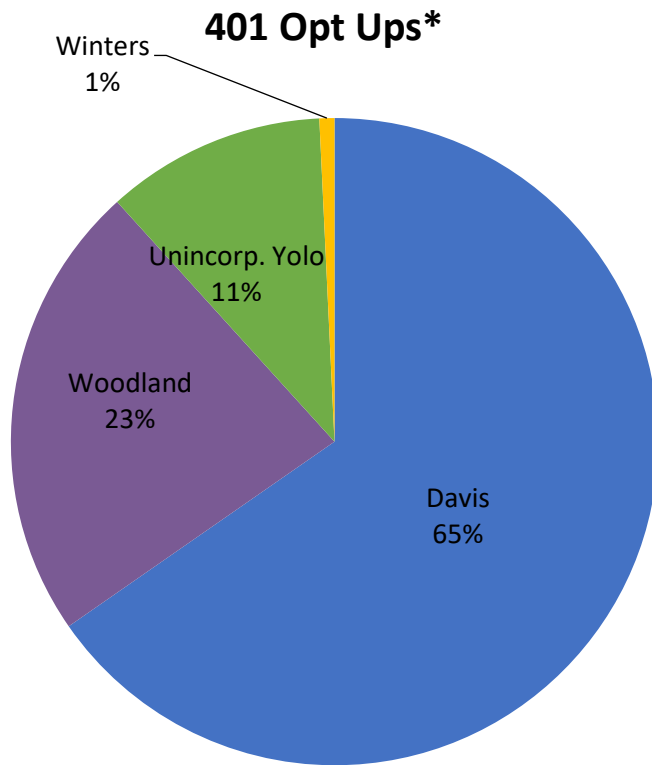


* These numbers represent all opt up or opt out actions ever taken regardless of current customer enrollment status.

Status Date: 2/17/21



Item 6 - Enrollment Update



* These numbers represent all opt up or opt out actions ever taken regardless of current customer enrollment status.

VALLEY CLEAN ENERGY ALLIANCE

Staff Report - Item 7

TO: Community Advisory Committee

FROM: Mitch Sears, Interim General Manager
Rebecca Boyles, Director of Customer Care and Marketing

SUBJECT: Update on Time-of-Use (TOU) Rates and implementation schedule
(Informational)

DATE: February 25, 2021

The purpose of this report is to update the CAC on the transition of VCE customers to Time-of-Use (TOU) rates.

BACKGROUND

On September 12, 2019, the Board approved VCE's transition to TOU rates. These rates are designed to help California more closely align electricity demand with supply as the state transitions to a portfolio with higher levels of renewable power. In this transition, customers' rates will shift from flat rates (electricity costs the same at any time the customer uses it), to TOU rates (the price varies according to when the customer uses it). Customers will be transitioned automatically to TOU rates unless they decline the transition, are already on a TOU rate, or qualify for an exemption (e.g. certain solar rates have a phase-out period). In the new rates, more expensive peak periods are shifted to later in the day, 4-9pm or 5-8pm, to send price signals to customers for conservation in the evening hours when there is less solar electricity on the grid, and higher demand.

The statewide transition is currently underway, with some areas having completed the transition, such as SMUD (Sacramento). The current schedule for VCE's TOU transition is as follows:

- VCE Residential customers (non-Solar NEM): February 2022
- VCE Residential customers (Solar NEM): in the month of their PG&E true-up, between April 2021-March 2022
- VCE Non-residential customers: March 2021; or
- Highly impacted agricultural customers: November 2021 or March 2022 (pending CPUC decision); or
- VCE Non-residential customers with more than one account: December 2021

Key elements of the residential TOU transition include:

- Residential customers will receive notifications on the transition, including mailed VCE and PG&E co-branded letters 90 and 30 days before the transition.

- Residential customers will have the option to decline the transition and remain on a flat (non-TOU) rate.
- Staff is exploring the possibility of providing Bill Protection to VCE residential customers on the generation portion of the bill to match a one year “Bill Protection” option offered by PG&E. Bill Protection would become available if the new rates create negative financial impacts for them compared to the most common flat rate, E1. The PG&E Bill Protection credit would be calculated after 12 months on the rate and would appear as a credit on the customer’s electricity bill. Most CCAs plan to provide Bill Protection. Staff is examining the costs to VCE associated with setting up and running a TOU Bill Protection program.

Non-residential customers (i.e. Industrial and Commercial), most of whom are already on a TOU rate, will not have the option to remain on a non-TOU rate except for certain legacy rates (mostly solar). Non-residential customers will not be offered Bill Protection by PG&E or other CCAs.

Customer Outreach on TOU

Statewide customer outreach around the TOU transition started in PG&E territory in 2019, including print and television ads as well as a statewide coalition working with a range of community-based organizations (CBOs) to get the word out to customers. The statewide marketing campaign has been overseen by the firm that initiated the Energy Upgrade California campaign.

Based on analysis of the TOU pilot programs conducted by PG&E and several CCAs in 2018, bill impacts for the transition to TOU are expected to be minimal for most residential customers. Data from the pilot programs also indicated minimal customer complaints or increased opt-out rates, but noticeable load shift and curtailment out of highly impacted peak periods. In addition, considerable efforts have been made by PG&E to communicate this information to non-residential customers, and outreach and informational webinars continue to be conducted. Based on these factors, staff does not anticipate that the TOU transition will result in a high level of customer dissatisfaction, or in higher opt-out rates.

NEXT STEPS

The next steps in the TOU transition process are:

- Customer outreach: Customers will receive VCE/PG&E co-branded notifications at 90- and 30-days before customers transition (e.g. non-NEM residential customers will start to receive their 90-day notifications in November 2021). Further outreach in partnership with PG&E and community-based organizations is in discussion and further detail will be included in the next TOU update in Q3 2021.
- Analysis/recommendation on Bill Protection: to go before the Board in Q3 2021.

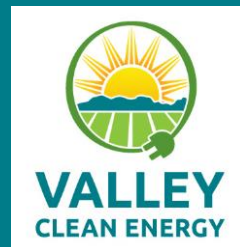
Attachment: Item 15 – Time of Use 2/11/2021 Board meeting materials/slides



Valley Clean Energy Board Meeting – February 11, 2021 via Webinar

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Item 15 – Update on Time-of-Use Rates Transition



Public Comments

To Provide Public Comment on any agenda item please:

- E-mail 300 words or less to: meetings@valleycleanenergy.org

OR

Join the Public Comment Queue by

- “Raising Hand” on Zoom Meeting

OR

- Press *9 if joining by phone

Emailed comments received **before** the item has concluded will be read into the record.

Emailed comments received **after** the item has concluded but before the end of the meeting will not be read but will be included in the meeting record.

Item 15 – Update on Time-of-Use Rates Transition

Background:

- Statewide rates transition: IOUs and CCAs
- Purpose: send price signals to “flatten the duck curve”
- Some areas already transitioned: Sacramento, San Diego
- 2 TOU Pilots in PG&E territory
 - Data indicated minimal bill/customer impacts; noticeable load shift and curtailment
- Customers receive 90- and 30-day notifications
 - ME+O beyond notifications has been considerable
- Bill Protection provided by IOUs
- VCE is evaluating

Item 15 – Update on Time-of-Use Rates Transition

Schedule for VCE:

- VCE Residential customers (non-Solar NEM): February 2022
- VCE Residential customers (Solar NEM): in the month of their PG&E true-up, between April 2021-March 2022
- VCE Non-residential customers: March 2021; or
- Highly impacted agricultural customers: November 2021 or March 2022 (pending CPUC decision); or
- VCE Non-residential customers with more than one account: December 2021

Item 15 – Update on Time-of-Use Rates Transition

Check the hour before using power



On Time-of-Use rate plans, shift some electricity usage to times when costs are less and demand is lower. On this rate plan, 5 to 8 p.m. are higher-priced (peak) times. All other times are lower-priced (off-peak).

WEEKDAYS



Source: https://www.pge.com/en_US/residential/rate-plans/rate-plan-options/time-of-use-base-plan/tou-weekdays.page

VALLEY CLEAN ENERGY ALLIANCE

Staff Report - Item 9

TO: Community Advisory Committee

FROM: Mitch Sears, Interim General Manager
Alisa Lembke, Board Clerk/Administrative Analyst

SUBJECT: Formation of CAC Task Groups for 2021

DATE: February 25, 2021

At the CAC's January 28, 2021 meeting, task groups were formed. Chair Shewmaker asked that each task group prepare a list of tasks/projects and/or "charge" for 2021 and designate a chair. The purpose of this report is to transmit the draft charges for the CAC's review and approval.

Attached are the following *draft* task group charges:

1. Legislative/ Regulatory
 - A. Members: Yvonne Hunter, Lorenzo Kristov, Jennifer Rindahl
2. Outreach
 - A. Members: Mark Aulman, Marsha Baird, Yvonne Hunter, Christine Casey
3. Programs
 - A. Members: Marsha Baird and David Springer
4. Rates
 - A. Members: Lorenzo Kristov, Gerry Braun
5. Decarbonization and Carbon Neutral
 - A. Members: Gerry Braun, Christine Shewmaker, Cynthia Rodriguez, Lorenzo Kristov (as needed)

Attachments:

1. Legislative/Regulatory
2. Outreach
3. Programs
4. Rates
5. Decarbonization and Carbon Neutral

2021 LEG/REG TASK GROUP CHARGE

- A. Members: Yvonne Hunter (chair), Lorenzo Kristov, Jennifer Rindahl
- B. 2021 Charge:

Work with VCE's lobbyist and VCE staff to:

- Provide feedback, technical information and strategic advice to VCE staff on key legislative and regulatory issues facing VCE and the CCA community in general, including legislation and regulatory issues related to VCE's Strategic Plan and Environmental Justice Statement.
- Provide periodic reports to the CAC about legislation and regulatory issues.
- Solicit recommendations from the CAC on VCE positions on key legislation and regulatory proceedings.
- Contribute to VCE's engagement with legislators and other stakeholders.
- Advise VCE staff on CalCCA's regulatory work where and when appropriate.

DRAFT

CAC 2021 Outreach Task Group

Mark Aulman – Chair
Marsha Baird
Chris Casey
Yvonne Hunter

Charge

Collaborate with VCEA staff and consultants on community outreach to, and liaison with, member communities

Assist in the development of public information strategies, planning, and materials related to VCEA policies and programs. As requested by staff, review draft materials and provide comments as appropriate

Specific Tasks

1. Consult with staff and Green Ideals on short-term and long-term outreach strategies and communications projects
2. Help define audience segments within VCE's service area and consult on appropriate messages and communications approaches
3. Provide a sounding board to assist in message development and copy testing
4. Review development procedures for marketing communications and public relations projects
5. Conduct review of marketing materials at the draft (pre-release) stage
6. Provide concise summaries of activities at the monthly CAC meetings

2021 CAC Programs Task Group

CAC Members: Marsha Baird (Co-Chair), David Springer (Co-Chair),

VCE Staff Contact: Rebecca Boyles

2021 Charge: The CAC Programs Task Group will assist VCE Staff with planning and implementation of Customer Programs that meet with the VCE Mission and Strategic Plan. Specifically, the Task Group will:

- (1) collaborate with staff on 3-year programs plan and annual update;
- (2) advise on programs budget strategy for 2021;
- (3) review programs and financial mechanisms (such as rebates, incentives, PACE) and make recommendations of options, with special attention to VCE customer segments, such as agriculture and disadvantaged and underserved; and,
- (4) provide updates at monthly CAC meetings on issues being reviewed by the task group.

DRAFT

2021 Rate Options Task Group

Members

Lorenzo Kristov - Chair

Gerry Braun

Charge

Assist staff, consultants, and the Valley Clean Energy Board Subcommittee as requested, when existing or new rate options are being considered and evaluated.

Help staff evaluate the impact of current and potential rate options on VCE customer responses and other energy choices.

Specific Tasks

1. Conduct CAC Rate Options Task Group meetings and expand participation to other interested CAC members or external experts, as needed.
2. Review rate-related financial analysis conducted by staff and consultants and provide staff with input and feedback.
3. Review proposed staff recommendations regarding rate options, including Net Energy Metering, and provide input and feedback.
4. Inform CAC on rate options and analyses reviewed by the Task Group.

Carbon Neutral / Decarbonization Task Group

CAC 2021

VCEA Staff – Gordon Samuel

CAC

Cynthia Rodriguez – Chair

Gerry Braun

Christine Shewmaker

Lorenzo Kristoff

Charge 1: Assist staff and consultants in evaluating feasibility and creating a road map for both carbon-neutral and carbon-free-hour-by-hour power by 2030. Strategic plan reference goal 2 and 2.5.

Tasks

- End point for analysis – end of the year at the latest
- Assist in input for and evaluation of model development
- Evaluate different types of power that can be included in model
- Consider impacts of plan on future IRP

EJ component – consider importance of some local resources because of impact on local jobs.

Charge 2: Assist staff and consultants in beginning to develop a decarbonization roadmap (as time permits). Strategic plan reference – goal 4.2

E.J. Component – Consider impacts of decarbonization efforts on EJ communities

Strategic Plan Goals

Goal 2: Manage power supply resources to consistently exceed California’s Renewable Portfolio Standard (RPS) while working toward a resource portfolio that is 100% carbon neutral by 2030.

- **2.5: Objective:** Study and present options for achieving a 100% carbon neutral resource portfolio as well as 100% carbon free resource portfolio (carbon free hour by hour) by 2030.

4.2 Objective: Develop a VCE decarbonization roadmap to guide near and long-term program decisions and offerings.

VALLEY CLEAN ENERGY ALLIANCE

Staff Report – Item 10

TO: Community Advisory Committee

FROM: Gordon Samuel, Assistant General Manager & Director of Power Services

SUBJECT: New Building Electrification Policy

DATE: February 25, 2021

RECOMMENDATIONS

That the CAC recommends that the VCE Board approve the following actions by VCE:

1. Adopt a policy supporting and encouraging electrification of new buildings;
2. Share information regarding new building electrification broadly with the member jurisdictions upon request;
3. Join the Building Decarbonization Coalition.

PURPOSE

The purpose of this report is to provide background, solicit feedback and discuss options to take to the VCE Board regarding the electrification of new homes and businesses in order to lower greenhouse gas (GHG) emissions. Staff plans to take this feedback and make a recommendation to the VCE Board in March 2021.

STRATEGIC PLAN

One of the key factors driving the formation of VCE was to address climate change. In addition to providing carbon-free electricity, VCE is reinvesting in our region and expanding our toolset for furthering emissions reductions by launching decarbonization programs. These programs represent the next stage in VCE's maturity and are a mechanism by which VCE will further engage our communities to achieve our mission. In order to bend the carbon curve downwards and improve the lives of our community members, VCE has made it a priority by including a strategic goal of decarbonization. New building electrification is one tool to help achieve that goal.

Additionally, VCE's recently adopted marketing plan highlights the importance of demonstrating thought leadership within the industry and new building electrification does align with that objective.

BACKGROUND

Over the past year, the Programs Task Group of the Community Advisory Committee (CAC) has been researching programs for the VCE territory that would encourage electrification of homes and businesses. In doing so, the group discovered that converting appliances (retrofitting homes) from gas to electric can be a costly and complicated project for homeowners and businesses, unless they are going through an extensive remodel. Managing retrofit programs can be costly and time consuming as well. In addition, research has been published recently on the negative impact burning natural gas

indoors has on air quality and human health. As a more forward looking way to encourage electrification and lower GHG emissions, the task group also discussed new building electrification policies and actions that can be taken by cities and counties.

At the CAC meeting on December 19, 2020, CAC members Christine Shewmaker and David Springer briefly summarized the issue and suggested that the CAC hear a presentation on new building electrification polices that various cities and counties have undertaken at its January CAC meeting. The topic was discussed in January and this report and related materials follow upon what was presented and discussed.

ANALYSIS

The electrification of new buildings is becoming more commonplace in California cities and counties. Forty local jurisdictions have adopted varying levels of new building electrification requirements over the past several years. The benefits and challenges section below provides an overview of some of the main benefits and issues that have been identified as jurisdictions have consider this step. While not intended to be an exhaustive list of pros/cons, when considering the independence of the source material, on balance staff believes new building electrification is supported in the research and analysis conducted by the State (CEC) and local jurisdictions that have adopted these types of new building requirements. With regard to two key considerations, staff agrees that the source generation for electricity consumed in the new buildings and cost effectiveness are important factors. On the first issue, VCE is in direct control of the electricity source and on the second, cost effectiveness has been addressed in dozens of cities and counties in various regions of the state. A sample of key issues and background materials related to staff’s general conclusions are offered below.

This report and recommendations focus on new building electrification and the advantages of building all electric at the outset. Clearly there is existing building stock in the VCE territory that could benefit from retrofitting by converting from gas to electric. Broadly the planning for programs such as retrofitting is ongoing by VCE staff and will be discussed at later CAC meetings.

BENEFITS OF NEW BUILDING ELECTRIFICATION

- **Reduce CO2 emissions.** According to the California Air Resources Board ([CARB](#)), [residential and commercial buildings](#) are responsible for 25% of the GHG emissions in CA. These emissions come directly from fossil fuel combustion as well as electricity production for the buildings. Transitioning away from fossil fuel combustion in buildings lowers CO2 emissions.
- **Lower construction cost** – All-electric buildings cost less to build due mainly to eliminating requirements for natural gas infrastructure. In their [staff report supporting building electrification, Menlo Park](#) estimated savings of \$2k to \$5k for residential buildings and from \$20K to over a million dollars for office, retail, hotels, etc.

Reports generally favorable to the economics of electrification include a 2016 TRC report completed by TRC for Palo Alto, an EPRI report completed for SMUD, a 2018 Energy

Commission funded report by Energy and Environmental Economics (E3)¹, a 2018 [report by Rocky Mountain Institute](#), a 2018 [report by Synapse for by NRDC](#), and a 2019 [report by E3](#) sponsored by SMUD, LADWP, and Southern California Edison.

- **Eliminate the need to electrify and decarbonize later.** VCE has the creation of a decarbonization road map in its strategic plan. The most efficient building decarbonization retrofit is one that does not need to happen.
- **Better indoor air quality.** [Studies by medical professionals](#) have correlated exposure to NO₂ with [respiratory illness such as asthma](#), particularly in children. [Lawrence Berkeley National Lab](#) has studied exposure to NO₂, micro-particulates (PM2.5), and other pollutants produced by inadequately vented ranges. In response, the Statewide Codes and Standards Team is proposing [Title 24 requirements](#) for 2022 that will apply a new American Society of Testing and Materials (ASTM) standard and require minimum capture efficiencies for residential range hoods, with higher capture efficiencies (or exhaust airflows) required for gas ranges than electric ranges (cooking on an electric range still produces PM2.5 and harmful gases).

Safer buildings –The presence of gas appliances in homes and businesses increases the risk of methane leaks, inadequate venting of combustion gases, fires and explosions. The California Mechanical Code still allows gas appliances to be located indoors and to use indoor air to support combustion. High volume exhaust fans, for example whole house fans and kitchen range hoods can cause backdrafting of flues with the risk of carbon monoxide poisoning or even fire. While this practice is uncommon in new homes the risk is prevented outright in all-electric residences.

CHALLENGES OF NEW BUILDING ELECTRIFICATION

There have been multiple reports on the costs and impacts of electrification, some favorable and some not. Here are several reports completed between 2016 and 2019 by different firms and with different sponsoring organizations.

- A 2018 [American Gas Association study](#) by ICF concluded that reduction in emissions from the residential sector would be offset by increased emissions from the power generation sector, “even in a case where all incremental generating capacity is renewable.” This report projected policy-driven electrification would increase average residential costs, including amortized costs for upgrades and utility bills, by 38 to 46 percent, and that the cost of GHG reduction would range from \$572 to \$806 per metric ton, significantly higher than the cost of other GHG reduction options.
- The California Building Industry Association sponsored a 2018 study by Navigant² focused on existing homes and stated that appliance electrification in 2020 may increase homeowner bills

¹ California Energy Commission Docket Number 18-IEPR-09, TN #223785

² California Energy Commission Docket Number 18-IEPR-09, TN #224761

from \$50 to \$387 per year. If spread over a 15-year period, existing single-family homeowners would experience a combined annual cost increase of \$236 to \$1,302 if infrastructure upgrades are required, and -\$119 to \$922 if they are not required.

LOCAL JURISDICTION ACTIONS

Forty different California municipalities and counties have [taken action on building electrification](#). These actions vary and are described below. These local jurisdictions represent 13 counties – Alameda (5), Contra Costa (1), Los Angeles (1), Marin (3), San Diego (1), San Francisco (1), San Luis Obispo (1), San Mateo (9), Santa Clara (12), Santa Cruz (1), Sonoma (3), Ventura (1), Yolo (1) - and at least 10% of the population of California (10% was calculated prior to Oakland taking action). Of the 40, 36 are served by CCAs or will be and four are served by city run utilities. Population size in these 40 jurisdictions varies: two have populations from 900K to one million, two range from 5K to 7k and there are many in-between.

The actions taken by these 40 jurisdictions fall into three basic sub types. These are:

- **Electric Preferred.** The most common approach is to adopt an Energy Commission approved “Reach Code” that allows mixed fuel buildings to be constructed under certain conditions. For example, they may be required to meet a higher efficiency standard, and/or may be required to provide adequate electrical capacity and pre-wiring to facilitate future conversion to electricity for water heating, space conditioning, cooking, and clothes drying, and/or to provide wiring for EV chargers. Higher permit fees may also be required. Energy efficiency improvements for mixed fuel buildings are typically implemented by requiring buildings to meet some marginal improvement in the Energy Design Rating (EDR), thus exceeding the minimum efficiency required by Title 24 Energy Standards. The higher the EDR margin, the greater the increase in energy efficiency. This rating is calculated using CEC approved software that is used to demonstrate compliance with energy standards by builders.
- **All Electric Required.** Adopted Reach Codes may require buildings to be constructed that meet all energy needs using electricity, and include exceptions that allow mixed fuel in some limited cases.
- **Natural Gas Ban.** Rather than require electricity, some are taking the approach to ban natural gas hook ups in new construction. This approach uses local ordinances rather than reach codes.

Within each sub type above there can be variations on types of buildings covered, residential or non-residential, low-rise or high-rise, etc. Over half of the 40 jurisdictions have chosen the all-electric approach.

As noted, the first two approaches involve Reach Codes. Reach Codes go beyond the state mandated Title 24 energy codes for building performance, must be shown to be cost-effective, and after passage by cities or counties require approval by the Energy Commission. Many of the REACH codes adopted to date have been approved by the CEC.

The “all electric required” or “natural gas ban” approaches also result in electrification of new buildings. A primary administrative difference is that a gas hookup ban does not require Energy Commission approval and is triggered on project approval, for example in entitlements and development agreements. All-electric reach codes are subject to CEC approval and are triggered by the building permit. Some municipalities, for example Berkeley and San Francisco, enacted gas bans but also adopted electric-preferred reach codes to address different building types.

The table below shows some examples of these 3 approaches by a sampling of the 40 jurisdictions (Note - three categories above are also those listed by the [PVE/SVCE/San Mateo OOS website](#) mentioned below).

THREE BASIC APPROACHES TO ELECTRIFICATION OF NEW BUILDINGS

Type	Municipality	Approach Details
Electric Preferred	Davis	New residential buildings that use mixed fuel need to have a Total EDR compliance margin of 9.5 for single family 10.0 for low-rise multifamily dwellings and provide pre-wiring for heat pump heating/cooling, water heating and electric ranges & ovens. All electric dwellings are exempt.
	San Luis Obispo	Similar to Davis except mixed fuel buildings must have an EDR margin of 9.0 for single family and 9.5 for multifamily. Mixed fuel non-residential buildings must also meet a higher performance standard with some exceptions such as commercial kitchens and public health uses. Offer technical support to builders who opt for all-electric construction.
All-Electric	Palo Alto	Residential buildings are required to be all-electric. Non-residential buildings may be mixed fuel but must meet a higher performance standard and be electrification ready. This is step towards stated goal of all electric in new construction by 2022. Will revisit in 2022.
	Oakland	All New Buildings to be all-electric. Also prohibits going from all electric to mixed fuel. Exemptions for ADUs and projects under prior development agreements.
	Menlo Park	Single family and low-rise multi-family residential to be all electric, with exceptions for stoves & fireplaces but rewiring must be provided. Nonresidential and high-rise to be all electric. Exceptions may be granted on appeal with third party verification.
	Redwood City	Requires all electric new buildings with exceptions for OSHPD regulated facilities, laboratories, and commercial kitchens. Residential buildings that are 100% affordable and ADUs are exempted.
Natural Gas Ban	Berkeley	No buildings built after January 2020 may be served by natural gas. Exceptions allowed where this is not physically feasible, or energy code compliance cannot be achieved, but these buildings must be provided with sufficient electrical capacity and wiring to be all-electric.
	San Jose	In November 2020 updated a previous ordinance (10/19) that banned natural gas hook ups in new single family and low-rise multi-family

		units to cover all new buildings. Exceptions for hospitals, ADUs, and facilities with a distributed energy resource,
	Morgan Hill	Buildings permitted after March 1, 2020 must be all-electric. Bans natural gas hook ups in new buildings with some exemptions for feasibility and public interest.

A full list of all 40 actions taken can be found at the [buildingdecarb.org](https://www.buildingdecarb.org/uploads/3/0/7/3/30734489/activecodematrix12-22.pdf) website: <https://www.buildingdecarb.org/uploads/3/0/7/3/30734489/activecodematrix12-22.pdf> - and is attached (Attachment A). Some measures also include solar and EV charging.

CCAs ENCOURAGING ELECTRIFICATION

- MBCP (3CE)
 - Offering [reach codes incentives \(15K\) to cities in service area and grants](#) for developers of all electric multi-unit dwellings.
- SVCE
 - Has [web page on advantages of all electric buildings](#)
 - In their [decarbonization roadmap](#) they list encouraging reach codes for electricity in new buildings by member cities as a major approach (page19)
- PCE
 - Has [award programs for design of all electric](#) commercial and residential buildings. The top award for commercial will be 3K and that for residential will be 1K. All awardees will be featured on PCE website and social media.
 - Has a [web page to defining REACH](#) codes
- Coalition of [PCE, SVCE and San Mateo Office of sustainability](#) has coalition on all electric new buildings
 - Lists three basic approaches
 - Electric preferred Energy Code Ordinance
 - All- Electric Code Ordinance
 - Natural Gas Ban Ordinance
 - Have grants of \$10K to municipalities to help establish REACH codes (separate form for PCE and SVCE cities)
 - Supporting information and resources such as example ordinances for all three types above. Note, that for the first two types, the example ordinances are climate zone specific.

FURTHER ACTIONS BY OTHER MUNICIPALITIES

- The number of municipalities [that have taken action is now 42](#). Albany CA in Alameda County has now adopted electric-preferred Reach Codes. San Carlos CA in San Mateo County has adopted REACH code that specify all new construction to be all electric with some exceptions. Both of these cities are served by CCAs.
- On January 12, 2021 the [“Santa Barbara city council directed staff](#) to return with reach codes

requiring all electric new construction”.

UTILITY POSITIONS

- Supported [by PGE](#)
- Supported by [SMUD and CalCCA and SoCal Edison](#)
- Opposed by [So Cal Gas](#)
- Many [utilities as well as CCAs are members](#) of the [Building Decarbonization Coalition](#) which works to promote all-electric buildings

SMUD, LADWP, and Southern California Edison joined forces to support an [economic study](#) of housing electrification costs and benefits.

CONCLUSION

Staff is recommending that the CAC support the following actions by VCE: (1) adoption of a policy supporting and encouraging electrification of new buildings, (2) sharing information regarding new building electrification broadly with the member jurisdictions upon request, and (3) joining the Building Decarbonization Coalition [join \(buildingdecarb.org\)](#) at the General level (free to gov't organizations).

In addition, Staff and the ad-hoc CAC member working group (Shewmaker/Springer), suggest future consideration of:

1. A webpage with general information on new building electrification; depending on member jurisdiction needs.
2. Incentives (reimbursements) to member jurisdictions that adopt new ordinances relating to new building electrification.
3. Sponsorship of a recognition program for both new residential and commercial all-electric projects in the VCE territory. Provide publication of the awardees on VCE website and social media. Also consider small bill credit awards.

Attachment A

Approved Zero Emission Building Codes in California
as of 12/22/2020

Jurisdiction	Approach				Systems			Building Types								Add-Ons	
	Natural Gas Infrastructure Moratorium	All-Electric Reach	Electric-Preferred	Whole Building	Water Heating	Space Heating	Low Rise Residential	City-Owned Properties	High Rise Residential	Hotel	Retail	Office	Restaurant	Life Sciences	Additional Solar	Electric Vehicles	
Alameda	X			X				X									
Berkeley**	X		X	X			X	X	X	X	X	X	X	X	X	X	
Brisbane		X			X	X	X	X	X	X	X	X	X			X	
Burlingame		X		X	X	X	X	X	X	X	X	X		X		X	
Campbell		X			X	X	X									X	
Carlsbad	X	X			X		X								X	X	
Cupertino*		X		X			X	X	X	X	X	X				X	
Davis			X	X			X										
East Palo Alto		X		X			X	X	X	X	X	X		X		X	
Hayward		X	X	X			X	X	X	X	X	X	X	X	X	X	
Healdsburg		X			X	X	X	X	X	X	X	X	X	X			
Los Altos*		X		X	X	X	X	X	X	X	X	X				X	
Los Altos Hills		X			X	X	X	X	X	X	X	X	X				
Los Gatos		X		X			X									X	
Marin County			X	X			X	X	X	X	X	X	X	X		X	
Menlo Park*		X			X	X	X	X	X	X	X	X	X		X	X	
Millbrae		X			X	X	X	X	X	X	X	X	X	X		X	
Mill Valley			X	X			X		X							X	
Milpitas			X	X			X	X	X	X	X	X	X	X		X	
Morgan Hill	X			X			X	X	X	X	X	X	X	X			
Mountain View*		X		X			X	X	X	X	X	X	X		X	X	
Oakland		X		X			X	X	X	X	X	X	X	X			
Ojai		X		X			X	X	X	X	X	X		X			
Pacifica		X			X	X	X	X	X	X	X	X	X		X	X	
Palo Alto*		X	X	X			X	X	X	X	X	X	X	X		X	
Piedmont		X		X			X								X		
Redwood City*		X		X			X	X	X	X	X					X	
Richmond		X		X	X	X	X	X	X	X	X	X				X	
San Anselmo			X	X			X	X	X	X	X	X	X	X			
San Francisco**	X		X	X			X	X	X	X	X	X	X	X	X	X	
San Jose**	X			X			X	X	X	X	X	X	X	X	X	X	
San Luis Obispo			X	X			X	X	X	X	X	X	X	X	X		

San Mateo**		X		X			X		X			X			X	X
San Mateo County		X		X			X	X	X	X	X	X	X			X
Santa Cruz	X			X			X	X	X	X	X	X	X	X		
Santa Monica			X	X			X	X	X	X	X	X	X	X	X	X
Santa Rosa		X		X			X									
Saratoga		X			X	X	X	X	X	X	X	X	X	X		X
Sunnyvale*		X		X			X	X	X	X	X	X	X	X		X
Windsor		X		X			X									



* Council went beyond staff recommendation
 ** Multiple ordinances passed to strengthen/expand scope

RECENT CALIFORNIA ENERGY COMMISSION ELECTRIFICATION INITIATIVES

Activities underway at the Energy Commission anticipate meeting the 2030 40% GHG reduction goal by developing energy standards and funding research that promote electrification. In time these will eclipse electrification reach codes and other local initiatives.

The Energy Commission Standards Office is taking actions that favor electrification in the 2022 Title 24, Part 6 (Energy Efficiency Standards). The [staff workshop](#) on Decarbonization held on January 26th spelled out the changes that will be in force in January 2023. For this current code cycle the Energy Commission made a commitment to the building industry not to increase stringency for low-rise residential buildings. However, they determined that it was cost-effective to establish baselines (or the “Standard Design”) for heat pump water heaters in Climate Zones 1, 2, 11, 12, and 16, and heat pump space heating in Climate Zones 3-10 and 13-15. Yolo County is in Climate Zone 12. What this means is, when compliance calculations are performed using approved software (such as CBECC-Res or EnergyPro) heat pumps will be compared to a reference case that also includes heat pumps. Previously, heat pumps could be penalized (use more energy use) when the base case is mixed fuel. Also, new All-Electric Ready requirements for single family homes will include:

1. Subpanel with connection to the main panel of at least 225A, or 320A main panels
2. Identification of at least 4 branch circuits for emergency use
3. “Transfer switch ready”
4. 240V, 30A circuits within 3 feet of air handler and clothes dryer
5. 240V, 50A circuit to within 3 feet of combined cooktop/oven

In the buildings sector a current Energy Commission “EPIC” solicitation targets affordable mixed-use, zero emissions developments. In the natural gas sector, the Energy Efficiency Commission is funding research to develop strategies to achieve carbon neutrality and to decommission portions of the in the natural gas infrastructure. In the transportation sector they are funding projects to support zero emissions vehicles, fleet electrification, and EV Ready communities.

The Energy Commission also provides tools for development of reach codes. In addition to developing code change proposals under Title 24, Part 6, the Statewide Utility Codes and Standards teams are supported by the investor-owned utilities to develop reach standards under Title 24 Part 11 (the Green Building Code).

VALLEY CLEAN ENERGY ALLIANCE

Staff Report – Item 12

TO: Community Advisory Committee
FROM: Alisa Lembke, Board Clerk/Administrative Analyst
SUBJECT: Board and CAC 2021 Long Range Calendar
DATE: February 25, 2021

Please find attached the **2021** Board and Community Advisory Committee (CAC) Long Range Calendar listing upcoming meetings and proposed topics for discussion. Please make suggestions if there are topics you wish to add.

Attachment:

1. 2021 Board and CAC Long Range Calendar

VALLEY CLEAN ENERGY

2021 Meeting Dates and Proposed Topics – Board and Community Advisory Committee

MEETING DATE		TOPICS	ACTION
January 14, 2021 Special Meeting January 21, 2021	Board WOODLAND	<ul style="list-style-type: none"> • Oaths of Office for Board Members • Approve Updated CAC Charge • Approve 2021 Procurement Plan • Treasurer Function / Investment • GHG Free Attributes • Power Purchase Agreement • Arrearage Management Plan 	<ul style="list-style-type: none"> • Action • Action • Action • Action • Action • Action • Action
January 28, 2021	Advisory Committee WOODLAND	<ul style="list-style-type: none"> • Formation of 2021 Task Groups • Quarterly Power Procurement / Renewable Portfolio Standard Update • Quarterly Strategic Plan update • New Building Electrification • 2021 Marketing Outreach Plan • CA Community Power Agency Joint Powers Authority 	<ul style="list-style-type: none"> • Discussion/Action • Informational • Informational • Informational/Discussion • Action: Recommendation to Board • Action: Recommendation to Board
February 11, 2021	Board DAVIS	<ul style="list-style-type: none"> • Update on SACOG Grant – Electrify Yolo • 2021 Marketing Outreach Plan • CA Community Power Agency Joint Powers Authority • Update on January 2021 Rates • Update on Time of Use (TOU) roll out 	<ul style="list-style-type: none"> • Informational • Action • Discussion/Action • Informational • Informational
February 25, 2021	Advisory Committee DAVIS	<ul style="list-style-type: none"> • Update on SACOG Grant – Electrify Yolo • 2021 Task Groups – Tasks/Charge • New Building Electrification • Legislative Bills • Update on Time of Use (TOU) roll out 	<ul style="list-style-type: none"> • Informational • Discussion/Action • Discussion/Action • Discussion/Action • Informational

March 11, 2021	Board WOODLAND	<ul style="list-style-type: none"> • New Building Electrification • Legislative Bills 	<ul style="list-style-type: none"> • Discussion/Action • Action
March 25, 2021	Advisory Committee WOODLAND	<ul style="list-style-type: none"> • Re/Appointment of Members to Community Advisory Committee • AB992 – Best Best Krieger presentation • Net Energy Metering (NEM) Policy 	<ul style="list-style-type: none"> • Discussion • Informational • Discussion/Action
April 8, 2021	Board DAVIS	<ul style="list-style-type: none"> • Preliminary FY21/22 Operating Budget • River City Bank Revolving Line of Credit • Net Energy Metering (NEM) Policy 	<ul style="list-style-type: none"> • Informational/Discussion • Action • Discussion/Action
April 22, 2021	Advisory Committee DAVIS	<ul style="list-style-type: none"> • Quarterly Power Procurement / Renewable Portfolio Standard Update • Quarterly Strategic Plan update 	<ul style="list-style-type: none"> • Informational • Informational
May 13, 2021	Board WINTERS	<ul style="list-style-type: none"> • Update on FY21/22 Operating Budget • Update on SACOG Grant – Electrify Yolo 	<ul style="list-style-type: none"> • Informational • Informational
May 27, 2021	Advisory Committee WOODLAND	<ul style="list-style-type: none"> • Update on SACOG Grant – Electrify Yolo 	<ul style="list-style-type: none"> • Informational
June 10, 2021	Board DAVIS	<ul style="list-style-type: none"> • Final Approval of FY21/22 Operating Budget • Receive Enterprise Risk Management Report • Extension of Waiver of Opt-Out Fees for one more year • Re/Appointment of Members to Community Advisory Committee • SMUD CPI Increase Amendment 	<ul style="list-style-type: none"> • Approval • Informational • Action • Action • Action
June 24, 2021	Advisory Committee DAVIS	<ul style="list-style-type: none"> • Carbon Neutrality/ Types of Energy (placeholder) 	<ul style="list-style-type: none"> • Discussion/Action
July 8, 2021	Board WOODLAND	<ul style="list-style-type: none"> • Renewable Portfolio Standard (RPS) Procurement Plan • River City Bank Line of Credit 	<ul style="list-style-type: none"> • Action • Action
July 22, 2021	Advisory Committee	<ul style="list-style-type: none"> • Quarterly Power Procurement / Renewable Portfolio Standard Update 	<ul style="list-style-type: none"> • Informational

	WOODLAND	<ul style="list-style-type: none"> Quarterly Strategic Plan update 	<ul style="list-style-type: none"> Informational
August 12, 2021	Board DAVIS	<ul style="list-style-type: none"> Update on SACOG Grant – Electrify Yolo 	<ul style="list-style-type: none"> Informational
August 26, 2021	Advisory Committee DAVIS	<ul style="list-style-type: none"> Update on SACOG Grant – Electrify Yolo 	<ul style="list-style-type: none"> Informational
September 9, 2021	Board WOODLAND	<ul style="list-style-type: none"> Approval of FY20/21 Audited Financial Statements (James Marta & Co.) River City Bank Revolving Line of Credit 	<ul style="list-style-type: none"> Action Action
September 23, 2021	Advisory Committee WOODLAND		
October 14, 2021	Board WINTERS	<ul style="list-style-type: none"> Financial Load Forecast FY2020/2021 Allocation of Net Margin Receive Update on 3 year Strategic Plan (adopted Oct. 2020) Certification of Standard and UltraGreen Products 	<ul style="list-style-type: none"> Informational Action Informational Action
October 28, 2021	Advisory Committee DAVIS	<ul style="list-style-type: none"> Receive Financial Load Forecast and Allocation of Net Margin information Update on Power Content Label Customer Mailer Committee Evaluation of Calendar Year End Quarterly Power Procurement / Renewable Portfolio Standard Update Quarterly Strategic Plan update 	<ul style="list-style-type: none"> Informational Informational Discussion Informational Informational
November 11, 2021 Veterans' Day – Holiday – need to reschedule	Board WOODLAND	<ul style="list-style-type: none"> Certification of Power Content Label Update on SACOG Grant – Electrify Yolo 	<ul style="list-style-type: none"> Action Informational
November 18, 2021 (3 rd Thursday of the month due to Thanksgiving holiday)	Advisory Committee WOODLAND	<ul style="list-style-type: none"> Committee Evaluation of Calendar Year End Review Revised Procurement Guide Update on SACOG Grant – Electrify Yolo 	<ul style="list-style-type: none"> Discussion/Action Action: Recom.to Board Informational
December 9, 2021	Board DAVIS	<ul style="list-style-type: none"> Receive Enterprise Risk Management Report Approve Revised Procurement Guide 	<ul style="list-style-type: none"> Informational Action

		<ul style="list-style-type: none"> • Receive CAC 2021 Calendar Year End Report • Election of Officers for 2022 	<ul style="list-style-type: none"> • Receive • Nominations
December 16, 2021 (3 rd Thursday of the month due to Christmas holiday)	Advisory Committee DAVIS	<ul style="list-style-type: none"> • Discuss 2022 Task Group(s) formation • Election of Officers for 2022 	<ul style="list-style-type: none"> • Discussion • Nominations
January 13, 2022	Board WOODLAND	<ul style="list-style-type: none"> • Oaths of Office for Board Members • Approve Updated CAC Charge (tentative) 	<ul style="list-style-type: none"> • Action • Action
January 27, 2022	Advisory Committee WOODLAND	<ul style="list-style-type: none"> • Quarterly Power Procurement / Renewable Portfolio Standard Update • Quarterly Strategic Plan update 	<ul style="list-style-type: none"> • Informational • Informational

Note: CalCCA Annual Meeting EARLY November (tentative)