



Community Advisory Committee Meeting

Monday, September 16, 2024

6:00 pm

In Person:

The Lake Merritt Room
Cal State East Bay - the Oakland Center
In the Transpacific Centre
1000 Broadway, Suite 109
Oakland, CA 94607

Or from the following remote locations:

- 1343 Fairview Ct, Livermore CA 94550
- 4563 Meyer Park Circle, Fremont, CA 94536
- 4664 Rousillon Ave, Fremont, CA 94555
- Starbucks at 1857 11th St. Tracy, CA 95376
- 1234 W Oak St, Stockton, CA 95204

Via Zoom:

<https://us02web.zoom.us/j/84794506189>

Or join by phone:

Dial (for higher quality, dial a number based on your current location):

US: +1 669 900 6833 or +1 346 248 7799 or +1 253 215 8782 or +1 929
205 6099 or +1 301 715 8592 or +1 312 626 6799 or 877 853 5257 (Toll Free)

Webinar ID: 847 9450 6189

Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the meeting materials, should contact the Clerk of the Board at least 2 working days before the meeting at (510) 906-0491 or cob@avaenergy.org.

If you have anything that you wish to be distributed to the Committee, please email it to the clerk by 5:00 pm the day prior to the meeting.

C1. Welcome & Roll Call

C2. Public Comment

This item is reserved for persons wishing to address the Committee on any Ava Community Energy-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 Committee are customarily limited to three minutes per speaker and must complete an electronic [speaker slip](#). The Committee Chair may increase or decrease the time allotted to each speaker.

C3. Approval of Minutes from July 15, 2024

C4. CAC Chair Report

C5. Ballot Initiative Discussion (Board Consent Item)

Consider taking a position on Proposition 4

C6. Hourly Pricing Pilots (Board Consent Item)

Consider resolution to participate in hourly flex pricing pilots with PG&E

C7. EV Charging Community Investment Grant (Board Consent Item)

Consider authorizing the CEO to negotiate and execute two grant agreements for the purpose of installing community-owned Electric Vehicle (“EV”) charging sites.

C8. CAC Member and Staff Announcements including requests to place items on future CAC agendas

C9. Adjourn

The next Community Advisory Committee meeting will be held on Tuesday, October 15, 2024 at 6:00 pm.

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Oakland, CA 94607



Draft Minutes

Community Advisory Committee Meeting

Monday, July 15, 2024

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C1. Welcome & Roll Call

Present: Members: Landry, Balkissoon, Weiner, Stephenson, Swaminathan, Lakshman, Pacheco, Harper, Lutz and Chair Hernandez

Not Present: Members: Hu, Kaur and Vice-Chair Souza

Member Weiner served as an alternate for Member Hu (North).

Member Pacheco joined the meeting at 6:20pm

Member Swaminathan left the meeting at 8:25pm.

Member Weiner left the meeting at 8:46pm.

C2. Public Comment

This item is reserved for persons wishing to address the Committee on any Ava Community Energy-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 Committee are customarily limited to three minutes per speaker and must complete an electronic [speaker slip](#). The Committee Chair may increase or decrease the time allotted to each speaker.

(10:03) Public Comment - Brenden Pittman asked about the timing of the board's consideration of the carbon-free allocation for nuclear energy. He also shared information about PG&E's community outreach program regarding the Diablo Canyon Nuclear Power Plant, which offers educational presentations about the facility.

(13:48) Public Comment – Alya Paz, from the Local Clean Energy Alliance offered to organize and facilitate a study session for the Community Advisory Committee to learn about resilience hubs and their role in climate and energy resilience.

C3. Approval of Minutes from June 10, 2024

Member Weiner motioned to approve the minutes. Member Landry seconded the motion, which was approved 9/0/0/0/4:

Yes: Members: Landry, Balkissoon, Weiner, Stephenson, Swaminathan, Lakshman, Harper, Lutz, and Chair Hernandez

No: none

Abstain: none

Recuse: none

Not Present: Members Hu, Pacheco, Kaur and Vice-Chair Souza

C4. CAC Chair Report

(18:46) Chair Hernandez reported on the June 12th Board of Directors meeting, highlighting several key points:

1. Public comments from the June 12 meeting focused on rejecting the nuclear energy allocation and supporting resilience hubs and efforts to support low-income and disadvantaged communities to obtain solar+storage.
2. Howard Chang presented the 2023-2024 Budget presentation. Member DiFranco's proposal for a revised budget allocation (reducing reserves from \$50 million to \$30 million and increasing on-bill credits for CARE/FERA customers and local business development plan funding) was not supported by the board. Instead, the board unanimously approved the staff's budget recommendation.
3. The board unanimously appointed Howard Chang as the new CEO of Ava Community Energy, replacing Nick Chaset.

Member Pacheco joined the meeting at 6:20pm

C5. Fremont R100 Default Request (Board Action Item)

Request from the City of Fremont to opt up some or all customers to R100

(23:37) Alex DiGiorgio presented on the City of Fremont's request to default all residential and commercial customers (except those on CARE/FERA or medical baseline programs) to Renewable 100. Alex explained that Fremont would be the largest jurisdiction to make this switch, representing about 17% of Ava's load, and its implementation could potentially increase the Renewable 100 premium for all customers due to current wholesale energy costs. Alex DiGiorgio outlined possible implementation timelines (either all at once in 2025 or phased over 2025-2026) and asked that the Board consider approval of Fremont's request and decide on the most appropriate implementation timeline.

(37:53) Member Lutz questioned the decision to apply increased R100 rates uniformly to all customers when Fremont joins, suggesting alternatives like vintaging or tiered rates similar to PG&E's PCIA. **Alex DiGiorgio** explained that while such approaches are technically possible, the current practice is to have a single R100 rate for all customers. **Member Lutz** noted this approach was adopted by default and might be worth reconsidering.

(57:00) Member Stephenson asked about the potential for spreading out the implementation of Fremont's Renewable 100 default over a longer period to mitigate the premium increase. Alex DiGiorgio acknowledged this as a possibility, though current analyses only cover 2025-2026. **Member Stephenson** also asked about the impact on non-residential customers. **Alex DiGiorgio** responded that while percentage increases would be similar to residential customers, the actual monthly premium for commercial customers would likely be substantially higher due to their typically higher energy usage.

(1:00:52) Member Weiner asked to calendar a discussion about Ava taking a

more active role in easing supply chain issues and making renewable energy cheaper, such as working with legislators and regulatory agencies to streamline permitting processes. **CEO Chang** responded that Ava is already actively working to drive down renewable energy costs through various means, including policy efforts to ease transmission and interconnection buildout, negotiating better prices for long-term contracts, and managing the challenges of increased demand for renewable energy in a rising price environment.

(1:03:54) Member Swaminathan asked about the possibility of mitigating short-term high Renewable Energy Credit (REC) prices by purchasing a flat strip of RECs over a longer period. **CEO Chang** confirmed that Ava already employs such strategies to manage costs but stated that current market conditions have elevated prices across both short and long-term contracts.

Member Swaminathan left the meeting at 8:25pm.

(1:06:16) Public Comment – Jessica Tovar spoke about the importance of local investments as outlined in Ava's local development business plan to reduce reliance on energy markets. Jessica Tovar also spoke about the need for ongoing debt relief programs and support for community-based organizations to help rate-payers who are struggling with energy costs, especially when considering defaulting customers to R100.

(1:09:26) Public Comment – Audrey Ichinose asked about customers' options when faced with the new Renewable 100 default in Fremont, including the possibility of opting down to Bright Choice. Audrey Ichinose also asked that Ava identify and reach out to all rate-payers who are eligible for CARE/FERA/Medical Baseline discounts prior to implementing the R100 default.

Alex DiGiorgio clarified that all customers, including those in Fremont, will retain the option to choose Bright Choice for a discount, and that customers on low-income discount programs like CARE/FERA are not included in the default transition to Renewable 100.

(1:12:05) Public Comment – Brenden Pittman asked about the specifics of Fremont's climate action plan and for Ava's data on opt-out rates from previous auto-enrollment scenarios. Brenden Pittman also spoke about the importance of public outreach to explain rate changes.

Alex DiGiorgio responded that in previous opt-up scenarios, the percentage of customers opting out entirely was extremely low (a fraction of a percent), while about 4-7% of customers actively chose to switch to Bright Choice, indicating awareness of their options.

Member Pacheco motioned to support the staff recommendation with no

specific direction about the implementation timeline, and with the provision that rate-payers are informed about their ability to opt-down.

Member Lutz offered the following friendly amendments:

- 1. That Fremont and Ava staff negotiate the best phase in with the emphasis on keeping prices low;**
- 2. that rate-payers are informed about how to opt-down from R100;**
- 3. and that the Board and staff take aggressive legislative and regulatory action to reduce connection delays and other impediments to lowering renewable energy costs.**

Member Landry offered the following friendly amendment:

- 1. That the board consider providing a debt-relief program for Ava rate-payers who are in arrears.**

Member Pacheco accepted the friendly amendments from Member Lutz and Member Landry.

Member Weiner seconded the motion, which passed 8/1/0/0/4:

Yes: Members: Landry, Balkissoon, Weiner, Lakshman, Pacheco, Harper, Lutz and Chair Hernandez

No: Member Stephenson

Abstain: none

Recused: none

Not Present: Members Hu, Swaminathan, Kaur and Vice-Chair Souza

C6. New Community Inclusion – San Joaquin County (Board Action Item)

JPA membership request from San Joaquin County, and analysis

(2:03:48) Alex DiGiorgio presented on San Joaquin County's request to join Ava's Joint Powers Authority, which would potentially begin service to the county's unincorporated areas in 2026. Alex outlined the considerations of this inclusion, including the potential for expanding renewable energy access, reducing greenhouse gas emissions, and the financial implications for Ava. Alex explained that while serving San Joaquin County could initially cost Ava money due to current high wholesale renewable energy prices, staff recommends extending JPA membership to the county and authorizing updates to the implementation plan for CPUC certification.

(2:19:12) Member Stephenson asked about Ava's expansion into San Joaquin County cities despite CCAs typically expanding along county boundaries. **Alex DiGiorgio** explained that individual jurisdictions can decide to join CCAs independently and noted that Tracy's proximity to Alameda County sparked initial interest, which spread to other cities.

(2:38:25) Member Weiner asked about the significance of agricultural energy use in San Joaquin County for Ava membership. **Alex DiGiorgio** explained that agricultural energy has a different load profile that can be paired effectively with

solar power, and that the agricultural sector presents opportunities for renewable energy development, electrification of equipment, and reduction of greenhouse gas emissions.

(2:40:31) Public Comment – Brenden Pittman spoke about the importance of understanding different load profiles in the Central Valley and suggested considering long-term trends in agricultural electrification and how they might affect Ava's planning.

Member Harper motioned to approve the staff recommendation.

Chair Hernandez seconded the motion, which passed 9/0/0/4:

Yes: Members: Landry, Balkissoon, Weiner, Stephenson, Lakshman, Pacheco, Harper, Lutz and Chair Hernandez

No: none

Abstain: none

Recused: none

Not Present: Members Hu, Swaminathan, Kaur and Vice-Chair Souza

C7. E-Bike Program Implementation Contract (Board Action Item)

Approve and execute a contract with APTIM

(2:45:47) Brett Wiley presented Ava's plan to implement a \$10 million e-bike program in partnership with APTIM, aiming to launch in December 2024 and run through 2026. The program will offer incentives for e-bike purchases, with a focus on equity by allocating at least 40% of benefits to income-qualified participants. APTIM was selected through a competitive bidding process due to their experience in managing successful e-bike programs, and the contract is structured to be performance-based, with 98% of its value tied to direct participant impact.

(3:03:58) Member Landry asked about access to the e-bike program for individuals with mobility challenges, including older adults and seniors. **Brett Wiley** explained that the program includes incentives for adaptive e-bikes, with higher incentives for cargo and adaptive bikes, and additional support for CARE/FERA customers, while also mentioning partnerships with local organizations to provide educational content and community rides to ensure inclusivity and safety for all participants.

(3:12:37) Member Lakshman asked about the voucher coverage for e-bikes, particularly for CARE/FERA customers. **Brett Wiley** explained that while the vouchers don't typically cover the entire cost of an e-bike, they offer substantial discounts with varying amounts based on bike type and customer income status, with CARE/FERA customers receiving higher incentives and some entry-level e-bikes potentially available at or near the voucher amount.

(3:16:26) Member Lutz asked about the availability of e-bikes in disadvantaged communities and incentives for bike shops. **Brett Wiley** responded that they are working with over 40 bike shops across Ava's service territory, with 22 already verbally committed to the program.

(3:19:22) Chair Hernandez suggested partnering with bike shops for community events and collaborating with organizations like Safe Routes to School to increase e-bike awareness and program visibility. Chair Hernandez also acknowledged potential challenges for small bike shops, such as inventory management and capital deployment, and encouraged staff to address these issues to facilitate successful program implementation.

(3:20:39) Public Comment – Brendon Pittman spoke in support of the e-bike program, describing it as a cost-effective, high-impact initiative that aligns with Ava's mission.

(3:22:24) Public Comment – Jessica Tovar proposed creating a bike-sharing or rental component to the e-bike program for those who can't afford or commit to purchasing. Jessica Tovar also spoke about the importance of building relationships with community organizations serving specific groups like seniors, disabled individuals, and immigrant communities to enhance program accessibility and effectiveness.

Member Weiner left the meeting at 8:46pm.

Member Balkissoon motioned to approve the staff recommendation.

Member Lutz seconded the motion, which passed 8/0/0/0/5:

Yes: Members: Landry, Balkissoon, Stephenson, Lakshman, Pacheco, Harper, Lutz and Chair Hernandez

No: none

Abstain: none

Recused: none

Not Present: Members Hu, Weiner, Swaminathan, Kaur and Vice-Chair Souza

C8. CAC Member and Staff Announcements including requests to place items on future CAC agendas

- **(3:27:28) Member Pacheco** requested to address offshore wind procurement in relation to upcoming CPUC draft recommendations, seeking a way for the agency to review and comment before the public comment period ends.

- **(3:30:05) Member Lutz** asked for a discussion on the historical costs of electricity, including generation costs and PG&E charges, to explore ways Ava can reduce total electricity bills for customers.
- **(3:33:43) Member Stephenson** suggested analyzing how other utilities like Silicon Valley Power and SMUD offer 100% clean power at half the cost, and recommended looking into how Ava could replicate this to reduce customer costs.
- **(3:36:59) Member Balkissoon** asked if staff is tracking electric vehicle bidirectional charging legislation (SB59) and requested updates on related legislative activities.
- **(3:39:55) Member Landry** asked to schedule a study session that would provide a balanced overview of the Diablo Canyon nuclear plant, including presentations from both PG&E and community groups like Mothers for Peace.
- **(3:39:55) Member Landry** also requested a study session on resilience hubs and a review of past debt relief programs, with consideration for implementing a new one.

C9. Adjourned at 9:54pm.

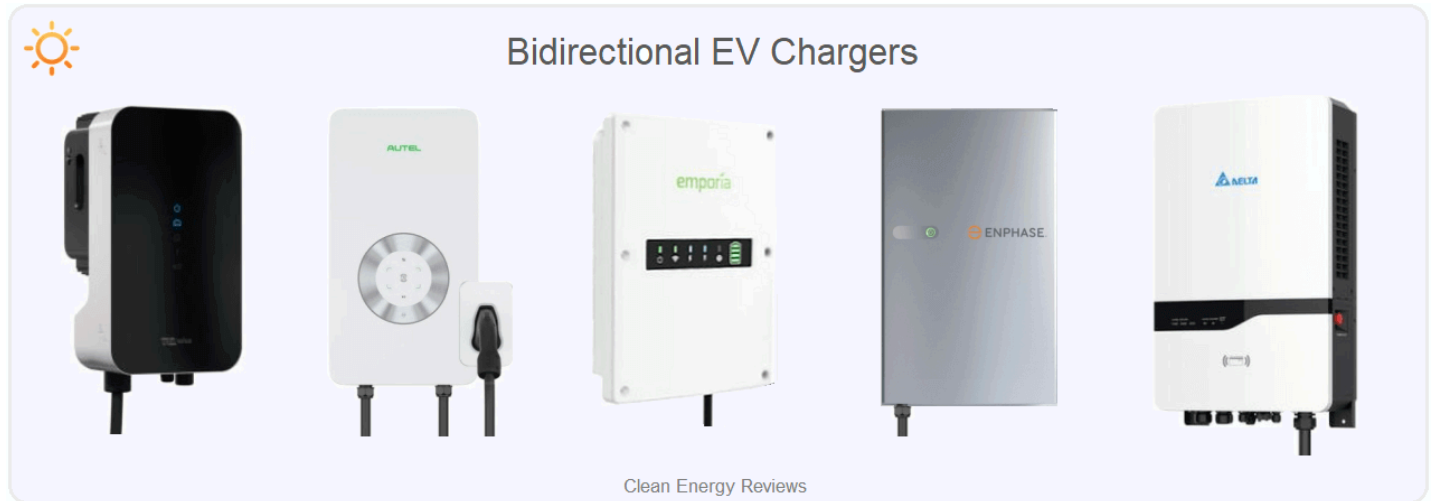
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26 MAR, 2024 • WRITTEN BY JASON SVARC

Bidirectional EV chargers Review



What is a bidirectional EV charger?

A bidirectional EV charger is an advanced EV charging system that enables two-way energy transfer, allowing electric vehicles (EVs) to send power to your home or back into the electricity grid. Unlike standard EV chargers, which use regular AC (alternating current) power for charging, bidirectional chargers perform complex power conversion, converting power from AC to high-voltage DC (direct current) during charging and the reverse during discharging.

[Bidirectional EV charging](#) is an exciting and emerging technology with the potential to revolutionise how electricity is generated and distributed, enhancing grid stability and offering cost-saving and backup power for homeowners. However, due to complex electrical regulations, bidirectional EV chargers are generally only available under special agreements or trials with grid operators in most countries.

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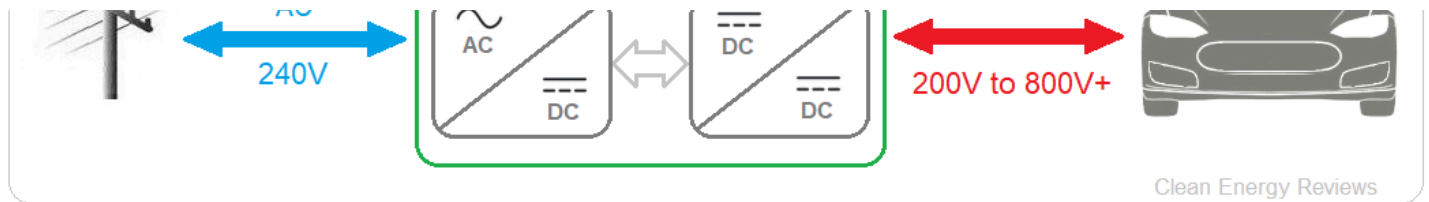
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Basic energy conversion diagram of a DC bidirectional EV charger.

What are bidirectional EV chargers used for?

Bidirectional EV chargers have two primary uses:

1. Vehicle-to-Grid (V2G)

A bidirectional charger enables Vehicle-to-Grid (V2G) functionality, allowing EVs to feed energy back into the grid during times of high electricity demand, such as the peak evening period. This concept is a form of decentralised energy generation that can transform the operation of our power grids. Learn more about [vehicle-to-grid \(V2G\)](#) here.

2. Vehicle-to-Home (V2H)

The second use of bidirectional chargers is for Vehicle-to-Home, allowing homeowners to use an EV to power their home. Using stored energy in the EV during peak times when electricity rates are higher, homeowners can reduce their energy costs and optimise renewable energy sources like solar power. Bidirectional chargers can also provide backup power sources during power outages, ensuring an uninterrupted electricity supply in emergencies. Learn more in our [V2L, V2H & V2G explained](#) article.

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Issues with Bidirectional EV charger standards

While bidirectional EV charging is a new, exciting technology, progress has been very slow and most governments have not certified bidirectional chargers due to grid compliance and regulatory issues. Vehicle-to-grid (V2G) standards are difficult and complex as they regulate the power, safety and electrical requirements when discharging energy into the grid. [UL9741](#) is a proposed safety standard still under development for bidirectional EV charging system equipment, built around the UL1741 (safety standard) and the IEEE1547 standard for interconnecting distributed energy resources (DER) with electrical power systems.

The latest standard for communication between an EV and a bidirectional charger is [ISO 15118:2014](#) - Road Vehicles - Vehicle-to-Grid Communication Interface. The purpose of this standard is to detail the communication between an EV (BEV or a PHEV) and the EVSE (Electric Vehicle Supply Equipment), more commonly known as an EV charger.

List of Bidirectional EV chargers

At present, the Wallbox Quasar, Highbury, and Fermata FE-15 are the only **universal** bidirectional chargers for home use (level 2); these are all of the DC variety and work with CHAdeMO (DC), while the recently announced Wallbox Quasar 2 works with the more common CCS (DC) vehicle charge port. The soon-to-be-released Ford F-150 Lightning EV is unique because it only works with the [Ford Charge Station Pro](#) and requires additional equipment to enable *bidirectional charging*. In early 2023, Tesla's senior vice president hinted at integrating bidirectional charging in their upcoming vehicles, potentially by 2025.

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Sigenergy SigenStor

The [Sigenergy SigenStor](#) is one of the most exciting products enabling bidirectional EV charging. Unlike the other dedicated bidirectional DC chargers, Sigenergy has developed a versatile hybrid system that integrates solar, battery storage and bidirectional EV charging in one compact unit. The system comprises 4 main components, a hybrid inverter, battery, backup box and bidirectional EV charger. The [hybrid inverter](#) is available in single-phase and three-phase models from 5kW to 25kW and features multiple solar PV inputs (MPPTs), which can be oversized up to 200%, enabling large solar arrays required for all-electric homes and EV charging. Battery capacity is scalable, using 5kWh and 8kWh modules with up to six units per stack, providing a maximum of 48kWh capacity.

On the EV charging side, the DC bidirectional charger will be available in two sizes: a standard 12.5kW unit or a large 25kW unit designed to be used with a 3-phase supply. However, the true innovation lies in the DC power bus, which enables direct DC charging from solar. Additionally, the battery-integrated DC-DC conversion boosts the relatively low 32V modules to 150V—1000V to match the various EV battery voltages.

Using the additional Gateway backup box, the system can operate in off-grid mode and provide true UPS (Uninterruptible Power Supply) power. It's worth noting that hybrid solar



Sigenergy SigenStor hybrid system including DC bidirectional EV charger.

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The Sigenenergy system was first released in Europe. The hybrid system and battery are currently being tested in Australia. However, the bidirectional EV charging component is pending regulatory approvals and should be completed by early 2025. Preliminary pricing appears very competitive, starting at around AU\$ 9,000, including the 5kW single-phase inverter, 8kWh battery module, and 12.5kW bidirectional charger.

Download the [Sigenenergy Sigenstor datasheet](#) or the [bidirectional charger specifications](#).

Wallbox Quasar

The [Wallbox](#) Quasar is the first bidirectional EV charger designed for home use and is the smallest charger of its kind to offer advanced two-way DC charging capabilities. It has a maximum power rating of 7.4kW (32A), but it's important to note it is only compatible with vehicles that feature a CHAdeMO DC vehicle connector. Currently, only the later generation Nissan Leaf EV and Mitsubishi Outlander plug-in hybrid can be used with the Wallbox Quasar.



Wallbox Quasar two-way DC charger

As explained earlier, bidirectional chargers can enable V2G or V2H but it is early days for this emerging technology, so some investigation will be required to ensure it can be utilised in your state or region. Additionally, some electricity retailers and regulators may not have approved using bidirectional EV charging. In Australia, regulatory approvals for bi-directional chargers are about to be ratified, along with several [V2G trials](#) already underway.

The Quasar is priced from US\$4000 to \$7000, depending on the country and local taxes.

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Wallbox Quasar 2

Wallbox recently announced the second generation [Quasar 2](#). The new bidirectional DC charger has been redesigned from the ground up and now offers up to 11.5kW (48A) of charging or discharging power. The styling has also completely changed from the previous model, which was rather unconventional, to a slick-looking slimline enclosure with no display. More importantly, the new Quasar 2 features a “blackout mode”, allowing a compatible vehicle to power your home in the event of a power outage. Wallbox claims it will be able to transition your home from grid supply to vehicle supply seamlessly; this implies that it works in conjunction with an external grid isolator (contactor), which is required to safely island your home from the grid. The full specifications have not yet been released, although the company website outlines that it will contain a vast array of communication options, including WiFi, Ethernet, Bluetooth and even 3G/4G.



Wallbox Quasar 2 with backup mode

Official pricing is not yet available for the Wallbox Quasar 2, but it is expected to range from \$5000 to \$7500.

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Rectifier Technologies is the second company to develop a compact residential two-way charger. The [Highbury bidirectional DC charger](#), available soon, claims to be 96% efficient and features a very modern, slim design. The Highbury, touted as the world's slimmest bi-directional DC charger, will be available in two sizes, the standard 7kW and a high power 11kW (46A).

Initially, it will enable EV owners to sell excess power to the grid via V2G, but additional functionality, including vehicle-to-home (V2H), will be available later. The Highbury will be compatible with both CHAdeMO or CCS-compliant electric vehicles.

Download the [Highbury bidirectional charger datasheet](#).

Pricing is not yet available for the Highbury charger.



Emporia V2X bi-directional charger

The V2X is a home bidirectional charger from the small Colorado-based company [Emporia](#), which specialises in smart home energy management products. The Emporia bidirectional charger is impressive and features an integrated silicon-carbide-based AC/DC inverter designed by BREK Electronics, rated at a maximum of 48A or 11.52kW. It's compatible with CSS Type 1 connectors and can be coupled with the Emporia Vue home energy management system to automate your energy use and storage needs. More notably, it also features 'off-grid islanding support', which implies it will function in off-grid mode by adding a compatible grid isolation device (contactor).

The price was listed at US\$1500, making this easily one of the most affordable universal bi-directional chargers. However, this price has not been verified, and the product is still in

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Fermata Energy FE-20

[Fermata Energy](#) is a US-based company founded in 2010 by Prof. Slutzky, a science and engineering professor at the University of Virginia. The FE-20 is the next-generation bidirectional charger after the FE-15, and is currently the most powerful two-way DC charger available in North America, with a 20kW charge and discharge power rating. However, the charger is currently only compatible with vehicles with a CHAdeMO DC connector. Based on the aesthetics and specifications, the wall-mounted charger is designed for performance, durability, and safety.



The FE-20 bidirectional charger is UL 9741 certified and is currently the only DC charger certified for use with the Nissan LEAF in the US. Fermata Energy has also developed a more powerful 3-phase 20kW bidirectional charger for use with small commercial electric vehicles.

The full Fermata Energy FE-20 bidirectional charger specifications and pricing is not yet available.

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[Delta Electronics](#) is a large, innovative company specialising in energy efficiency and power conversion equipment, including solar and energy storage. With a long history in designing and building EV chargers and huge research and development capabilities, it's not surprising Delta has produced a range of bidirectional EV chargers for commercial and residential applications.



The Delta V2H is a 3-phase vehicle-to-home (V2H) bidirectional charger in two models rated at 11kW or 22kW. The charger can operate in on-grid and off-grid (backup) modes but is currently only compatible with CHAdeMO vehicle connectors and features a very high operating efficiency of 95%, along with a range of safety systems. A smaller 6kW single-phase version is also in development, but details are limited at this stage.

Download the full [Delta V2H bidirectional charger specifications](#).

Autel MaxiCharger V2X

[Autel Energy](#) is a US-based company established in 2004 that specialises in intelligent automotive products and services. Over recent years, the company developed high-quality home EV chargers, a range of fast DC chargers, and commercial EV charging solutions.

The MaxiCharger V2X from Autel is a high-power 12kW bidirectional charger that offers both V2G and V2H functions, or vehicle-to-everything, hence the term V2X. It will be available with either CCS1 or CHAdeMO and offers a full range of communication options, including Bluetooth, WiFi, ethernet, CAN and RS485, along with the OCPP 1.6j communication protocol. More notably, the CCS1 version operates with a wide DC voltage

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Enphase bidirectional EV charger

Enphase Energy was founded in 2006 and is the world's leading manufacturer of solar microinverters. The Enphase bidirectional EV charger is unique because it's built around the IQ8 microinverter technology, enabling both V2G and V2H functionality. The IQ8 microinverters are micro-bidirectional inverters that can operate in on-grid and off-grid modes. Hence, they are an ideal foundation for building a bidirectional charger and enabling seamless integration into the Enphase home energy ecosystem. The bidirectional charger is very similar to the Enphase Encharge battery system, but in the case of the EV charger, the battery is inside the vehicle. Learn more about the Enphase battery and bidirectional charger in our detailed [Enphase Review](#).

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it is assumed that the power ratings will be relatively modest at around 5kW. Enphase has released an excellent [white paper](#) explaining the various features and bidirectional functions. The charger is due to be released in early 2024.



Enphase bidirectional EV charger

SolarEdge bidirectional EV charger

[SolarEdge Technologies](#) is a well-known solar company that manufactures solar inverters for residential and commercial applications. Founded in 2006, SolarEdge is unique among inverter suppliers as they do not manufacture conventional string [solar inverters](#) but what the company refers to as intelligent inverter systems using panel-mounted DC power optimisers. The SolarEdge bidirectional charger is a unique DC-coupled EV charger that integrates with the SolarEdge ecosystem built around a high-voltage DC bus (interconnection). Many modern home battery systems use a [DC-coupled](#) HV battery and a bidirectional (hybrid) inverter. Building on this, SolarEdge made the clever move to integrate an EV charger using the bidirectional capability of the solar inverter. The EV charger itself will be the part that connects to the vehicle and manages the charging.



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is due to be released in mid to late 2024.

Ford Charge Station Pro

The Charge Station Pro is a Ford exclusive EV charger rated at a maximum of 80-Amps, or 19.2kW (240V), which was released along with the new [Ford F-150 Lightning](#) Electric Pickup in mid-2022. The charger was developed in collaboration with Siemens eMobility. It will allow the F-150 EV to power a home, providing up to 9.6kW of power when installed with the Home Integration System to enable what Ford has dubbed [intelligent backup power](#).

However, the Ford Charge Station Pro only functions as a bidirectional charger when combined with Ford's home integration system, which consists of a 10kW bidirectional charger, monitoring equipment, energy meters and a transfer switch to enable islanding (grid isolation) during a blackout.

The home integration system currently offered by Sunrun in collaboration with Ford contains a 10kW **Delta** Bidirectional charger (DBI) similar to the unit listed previously. The Delta DBI works much like a high-voltage hybrid solar inverter and combines a high-voltage battery input with four solar trackers (MPPT inputs) to enable direct DC charging from solar. Additional equipment is required for whole home backup, as displayed in the diagram below.

The official price of the Ford Charge Station Pro is US\$1310 plus installation. Pricing for the Ford Home integration (Delta DBI and associated backup equipment) is approximately \$ 12,000 to \$ 15,000 for the complete system.



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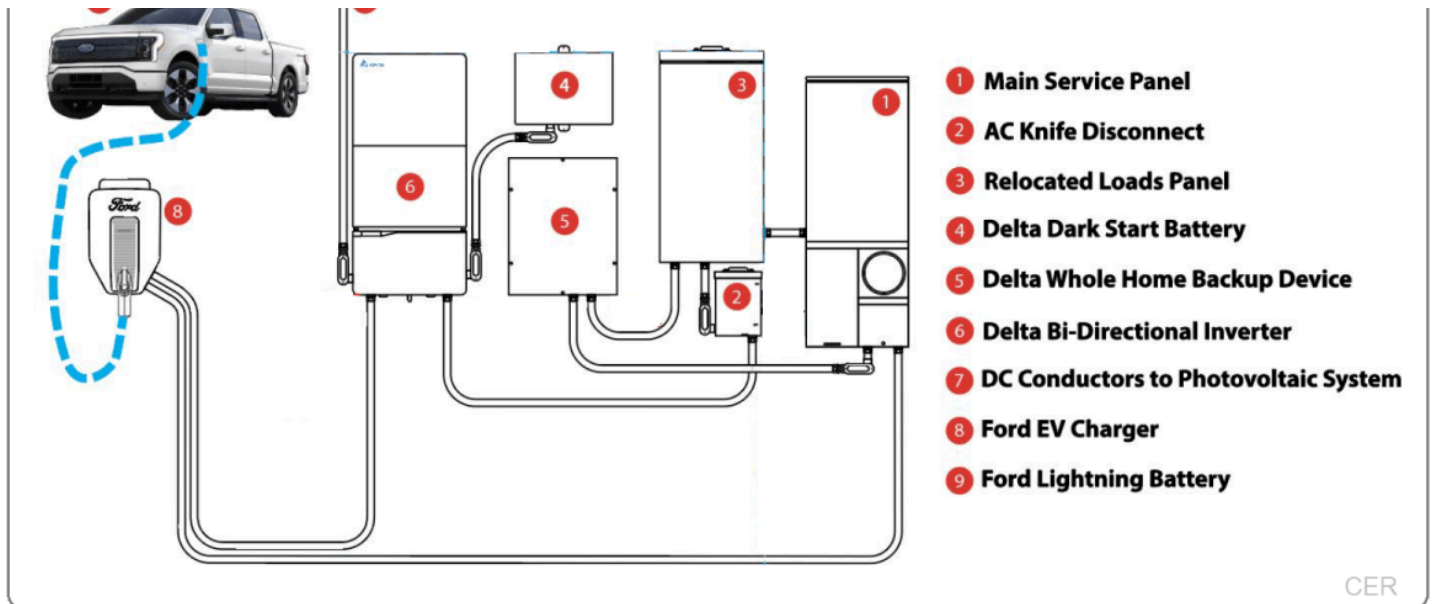
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The Ford Home Integration system includes the Delta 10kW bidirectional charger - Image credit Sunrun

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Jason Svarc

Jason Svarc is an accredited solar and battery specialist who has been designing and installing solar and battery systems for over a decade. He is also a qualified engineer and taught the off-grid solar design course at Swinburne University (Tafe). Having designed and commissioned hundreds of solar systems for households and businesses, he has gained vast experience and knowledge of what is required to build quality, reliable, high-performance solar power systems.

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Zum Launches Nation's First School District with 100% Electric, Bidirectional V2G School Bus Fleet in Oakland



NEWS PROVIDED BY

Zūm →

May 15, 2024, 10:00 ET

Oakland Unified School District's 74 EV school buses and charging infrastructure provides up to 2.1 gigawatt hours of energy back to the grid, reduces 25,000 tons of emissions annually

OAKLAND, Calif., May 15, 2024 /PRNewswire/ -- **Zūm**, the modern student transportation platform, announced today that Oakland Unified School District (OUSD) will be the first major school district in the U.S. to transition to a 100% electrified school bus system with groundbreaking vehicle-to-grid technology. Zum is providing a fleet of 74 electric school buses and bidirectional chargers in Oakland, managed through its AI-enabled technology platform. The all-EV fleet will not only transport students sustainably, but also play a critical dual role as a Virtual Power Plant (VPP), giving 2.1 gigawatt hours of energy back to the power grid at scale annually.

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Zum is providing a fleet of 74 electric school buses and bidirectional chargers in Oakland, managed through its AI-enabled technology platform. The all-EV fleet will not only transport students sustainably, but also play a critical dual role as a Virtual Power Plant (VPP), giving 2.1 gigawatt hours of energy back to the power grid at scale annually.



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"We at Zum strongly believe it is time to move beyond pilots and deploy sustainability solutions at scale. Converting the Oakland Unified school bus fleet to 100% electric with VPP capability is the right step in that direction," said Ritu Narayan, Founder and CEO of Zum. "This historic milestone is a win-win proposition: Electric school buses with V2G provide students with cleaner, fume-free transportation and allow us to send untapped energy from the bus batteries back to the grid, creating an enormous impact on grid resilience. Zum is proud to have delivered on this ambitious project a year ahead of schedule."

Student transportation is the largest mass transit system in the nation, moving 27 million students twice daily. Today, over 90% of the nation's 500,000 school buses run on carbon-based fuels, releasing over 8.4 million tons of greenhouse gases annually exposing students and communities to harmful gases every day.

"Oakland becoming the first in the nation to have a 100% electric school bus fleet is a huge win for the Oakland community and the nation as a whole," said Kim Raney, Executive Director of Transportation at Oakland Unified School District. "The families of Oakland are disproportionately disadvantaged and affected by high rates of asthma and exposure to air pollution from diesel fuels. Providing our students with cleaner and quieter transportation on electric school buses will be a game changer ensuring they have an equitable and stronger chance of success in the classroom."

Electrification of such a large fleet with V2G capabilities requires a vast ecosystem of partners. Federal and California State programs that have been critical to the acceleration of this project are: the Environmental Protection Agency's (EPA) Clean School Bus program, California Air Resource Board (CARB), Heavy Vehicle Incentive Program (HVIP) vouchers, Bay Area Air Quality Management District (BAAQMD) and Clean Mobility Operations (CMO) programs.

The acceleration of the EV transition was the result of Pacific Gas and Electric Company's, Zum's utility partner, ability to provide 2.7 megawatts of load to Zum's Oakland EV-ready facility in record time.

"PG&E is proud to work closely with Zum and Oakland Unified in deploying what is the largest electric school bus fleet and vehicle-based, grid-supporting resource in the country," said Mike Delaney, Vice President of Utility Partnerships and Innovation, PG&E. "Oakland is PG&E's headquarters, it is home to many of our customers and co-workers, and a city we've proudly served for more than a century. Achieving this advanced fleet electrification and vehicle-grid-integration milestone for the people and students of Oakland reflects our commitment to delivering excellent customer service outcomes for our hometowns using breakthrough thinking, collaboration and swift execution."

Zum has set a goal of electrifying 10,000 bidirectional school buses which will create the potential to supply 300 gigawatt hours of energy to the power grids annually. In addition, Zum is electrifying school buses in its fleet in districts across the country, with San Francisco Unified and Los Angeles Unified – which are three and six times the size of Zum's Oakland school bus fleet, respectively – to soon follow.

About Zūm

Zum is a modern transportation solution transforming school transportation, the largest mass transit system in the U.S. Today, the company provides turnkey modern transportation solutions to school districts in California, Colorado, Connecticut, Illinois, Maryland, Massachusetts, Missouri, Nebraska, Pennsylvania, Tennessee, Texas, Washington, Utah, and Virginia, and is expanding rapidly nationwide. Recognized globally for its innovative transportation and energy as a service platform, Zum has been featured among Fast Company's World Changing Ideas, CNBC Disruptor 50, CNBC Changemakers, World Economic Forum and Financial Times' Fastest Growing Companies. Learn more about Zum at www.ridezum.com.

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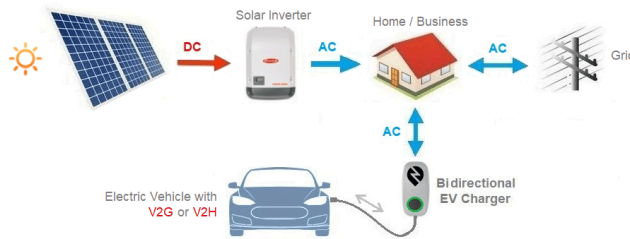
Jenny Mayfield, Vice President of Communications - press@ridezum.com

SOURCE Zūm



2 OCT, 2023 • WRITTEN BY JASON SVARC

Bidirectional EV charging explained - V2G, V2H & V2L



EVs with bidirectional (two-way) charging capability can be used to power a home, feed energy back into the electricity grid and even provide backup power in the event of a blackout or emergency. An EV is essentially a large battery on wheels, so bidirectional chargers can enable a vehicle to store cheap off-peak electricity or solar power to reduce household electricity costs. This emerging technology, known as [vehicle-to-grid \(V2G\)](#), could revolutionise the way our power grids operate, with the potential for tens of thousands of electric vehicles to supply power simultaneously during times of peak electricity demand. For those new to electric vehicle chargers, see our [EV charging explained](#) article.

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advanced EV charger capable of two-way charging; this might sound relatively simple, but it's a complex power conversion process from AC (alternating current) to DC (direct current) instead of regular unidirectional EV chargers that charge using AC.



Wallbox Quasar bidirectional charger

Unlike standard EV chargers, bidirectional chargers operate much like an inverter, converting AC to DC during charging and the reverse during discharging. However, bidirectional chargers can only work with vehicles compatible with two-way DC charging. Unfortunately, there is currently a very small number of EVs that are capable of bidirectional charging, the most well-known being the later model Nissan Leaf. Due to bidirectional chargers being far more sophisticated, they are also much more expensive than regular EV chargers since they incorporate advanced power conversion electronics to manage the energy flow to and from the vehicle.

To supply power to a home, bidirectional EV chargers also incorporate equipment to manage the loads and isolate the house from the grid during an outage, known as islanding. The basic operating principle of a bidirectional EV charger is very similar to [bidirectional inverters](#), which have been used for backup power in home battery storage systems for over a decade.

Learn more about [bidirectional EV chargers](#), along with prices and availability.

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Shift

What are the uses of bidirectional charging?

Bidirectional chargers can be used for two different applications. The first and most talked about is Vehicle-to-grid or [V2G](#), designed to send or export energy into the electricity grid when the demand is high. If thousands of vehicles with V2G technology are plugged in and enabled, this has the potential to transform how electricity is stored and generated on a massive scale. EVs have large, powerful batteries, so the combined power of thousands of vehicles with V2G could be enormous. Note that V2X is a term that is sometimes used to describe all three variations described below.

1. **Vehicle-to-grid or V2G** - EV exports energy to support the electricity grid.
2. **Vehicle-to-home or V2H** - EV energy is used to power a home or business.
3. **Vehicle-to-load or V2L *** - EV can be used to power appliances or charge other EVs

** V2L does not require a bidirectional charger to operate*

The second use of bidirectional EV chargers is for Vehicle-to-home or V2H. As the names suggest, V2H enables an EV to be used like a home battery system to store excess solar energy and power your home.

y system, such as

' of 13.5kWh. In

city of 65kWh,

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1. Vehicle-to-grid - V2G

[Vehicle-to-grid](#) (V2G) is where a small portion of the stored EV battery energy is exported to the electricity grid when needed, depending on the service arrangement. To participate in V2G programs, a bidirectional DC charger and a compatible EV is required. Of course, there are some financial incentives to do this and EV owners are given credits or reduced electricity costs. EVs with V2G can also enable the owner to participate in a [virtual power plant](#) (VPP) program to improve grid stability and supply power during peak demand periods. Only a handful of EVs currently have V2G and bidirectional DC charging capability; these include the later model [Nissan Leaf](#) (ZE1) and the Mitsubishi Outlander or Eclipse plug-in hybrids.

Despite the publicity, one of the problems with the roll-out of V2G technology is the regulatory challenges and lack of standard bidirectional charging protocols and connectors. Bidirectional chargers, like solar inverters, are considered another form of power generation and must meet all regulatory safety and shutdown standards in the event of a grid failure. To overcome these complexities, some vehicle manufacturers, such as Ford, have developed simple AC bidirectional charging systems that only operate with Ford EVs to supply power to the home rather than exporting to the grid. Others, such as Nissan,

al chargers such as
more detail below.

[V2G technology](#).

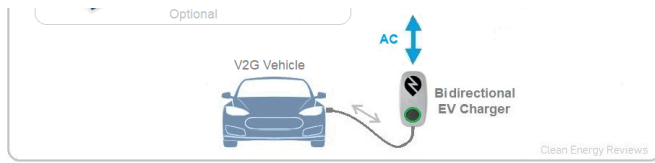
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Vehicle to Grid (V2G) energy flow diagram using a DC bidirectional charger.

Nowadays, most EVs are equipped with the standard CCS DC charge port. Currently, the only EV that uses a CCS port for bidirectional charging is the recently released [Ford F-150 Lightning](#) EV. However, more EVs with CCS connection ports will be available with V2H and V2G capability in the near future, with VW announcing its ID electric cars may offer bidirectional charging sometime in 2023.

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2. Vehicle to Home - V2H

Vehicle-to-home (V2H) is similar to V2G, but the energy is used locally to power a home instead of being fed into the electricity grid. This enables the EV to function like a regular household [battery system](#) to help increase self-sufficiency, especially when combined with rooftop solar. However, the most

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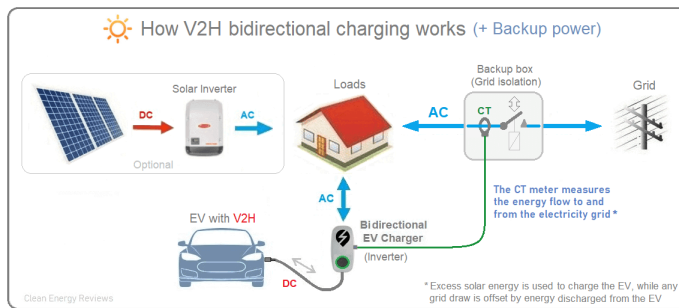
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the grid. Likewise, when the system detects energy being exported from a rooftop solar array, it diverts this to charge the EV, which is very similar to how [smart EV chargers](#) work. To enable **backup power** in the event of a blackout or emergency, the V2H system must be able to detect the grid outage and isolate it from the network using an automatic contactor (switch). This is known as islanding, and the bidirectional inverter essentially operates as an off-grid inverter using the EV battery. Grid isolation equipment is required to enable backup operation, much like [hybrid inverters](#) used in backup battery systems.



Basic energy flow diagram of a DC bidirectional charger using V2H to power a home, plus CT meter to measure grid energy flow.

Only a few EVs currently feature V2H technology, including the later model Nissan Leaf and Mitsubishi Outlander PHEV, which use the older-style CHAdeMO connector. The new Ford F-150 Lightning EV is unique because it can operate in V2H mode using a CCS connector via an in-vehicle bidirectional charger. However, it can only function with the [Ford Charge Station Pro](#) and the Ford Home Integration System.

Vehicle-to-load (V2L)

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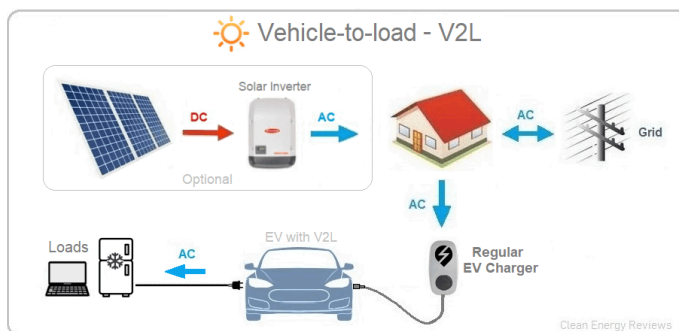
also sometimes referred to as VTOL. Vehicles with V2L have a built-in bidirectional charger and standard AC power outlets, which can be used to plug in any regular household AC appliances.



Ford F-150 lightning (EV) has four V2L AC power outlets rated at 2.4kW each.

However, some vehicles use the EV charging port and a special V2L adapter to provide power via a lead. In an emergency, extension cords can be run from the vehicle into a home to power essential loads, including lighting, computers, fridges, and cooking appliances.

The new Ford F-150 Lightning has V2L capability via four 2.4kW AC power outlets for a total of 9.6kW of power. Other vehicles with V2L technology include the new [Hyundai IONIQ 5](#) and Kia EV6, which have internal and external AC power outlets, and the [BYD](#) electric vehicle range, including the Yuan Plus, also known as the BYD Atto 3. Clean Energy Reviews conducted a V2L load test on the BYD Atto 3, and you can see the [results here](#).



Basic energy flow diagram of an EV with an AC power outlet which is known as vehicle-to-load or V2L.

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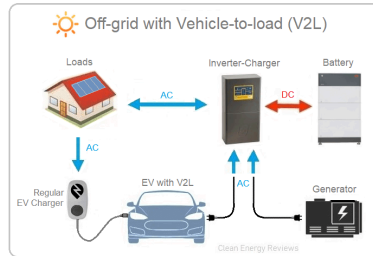
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V2L for Off-grid and backup power

Vehicles with V2L can provide backup power using extension leads to run selected appliances.

However, it is also possible to connect the V2L supply directly to a backup switchboard or even the main distribution board using a specialised AC transfer (change-over) switch.



Off-grid using V2L - **Click on image to learn more**

A vehicle with V2L can also be incorporated into an off-grid solar power system to reduce or even eliminate the need for a backup generator. Most [off-grid solar power systems](#) contain a bidirectional inverter, which can technically use power from any AC source, including a vehicle with V2L. However, it would need to be installed and configured by a solar specialist or qualified electrician to do this safely.

[Learn more about using V2L for backup power and to enhance off-grid systems.](#)

Vehicles with bidirectional charging V2G V2H & V2L

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VEHICLE	MODEL	Type	V2G	V2H	V2L
	Nissan Leaf ZE1	Chademo	YES	YES	No
	Outlander PHEV	Chademo	YES	YES	No
	Hyundai Ioniq 5	CCS	No	No	YES 3.6kW
	KIA EV6	CCS	No	No	YES 3.6kW
	Genesis GV60	CCS	No	No	YES 3.6kW
	BYD Atto 3	CCS	No	(No)	YES 2.4kW *
	BYD Seal	CCS	No	(No)	YES 2.4kW *
	Ford F-150 Lightning	CCS	(TBC)	YES	YES 9.6kW
	MG ZS EV (2022)	CCS	No	No	YES 2.2kW
	VW ID Models	CCS	Yes (TBC)	YES **	(TBC)
	Cupra Born EV	CCS	Yes (TBC)	Yes (TBC)	(TBC)

(*) The V2L peak power rating was determined via [load testing](#). Continuous V2L rating is 10A (2400W)

(**) [Volkswagen officially announced](#) a bidirectional charging station (allowing the CCS DC

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ility is limited to (battery) station



[Bidirectional chargers review.](#)

(#) The **Cupra Born** EV has been confirmed by the EV charger manufacturer Wallbox to be compatible with the second-generation Wallbox Quaser 2 bidirectional charger, enabling both V2H and V2G. See the official [Wallbox press release](#).

Tesla V2G Bidirectional Charging Test Successful

An unmodified Tesla Model 3 and Model Y were successfully tested using a V2H/V2G bidirectional charger. The tests were conducted by Finish company **InterControl** in collaboration with German bidirectional charger manufacturer **Ambibox**. The test system was externally controlled via the HEMS-supplied home energy management system, which confirms that Tesla has partially implemented [ISO15118-2 standard 11](#). However, Tesla has not officially endorsed bidirectional capability in either the Model 3 or Model Y.



Tesla model 3 bidirectional charging test - Image credit Ambibox

See more details and analysis of the [Tesla Model 3 and Model Y bidirectional charging test](#).

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[Getting Started with Electric Vehicles](#) > Vehicle to Everything (V2X) Pilot Programs

Feedback

Vehicle-to-Everything (V2X) pilot program

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New [bidirectional charger technology](#) allows you to use the power in your electric vehicle's battery. PG&E's Vehicle to Everything (V2X) pilots offer incentives to help customers access this technology.

- Power your property temporarily when there is an electrical outage
- Charge your vehicle when electricity is less expensive and use vehicle power when it's more expensive (4-9 p.m.)
- Earn additional incentives by sending electricity to the grid during times of high demand



[Program details](#)

Understand the technology

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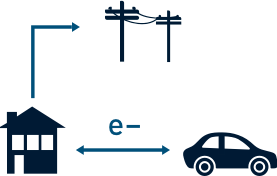
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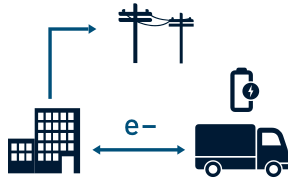
There are three Vehicle to Everything pilot programs:

Pilot	Incentives	Eligibility and Requirements
<p>V2X Residential</p>  <p>Enrollment target: 1,000 (or when incentives are exhausted)</p>	<p>\$2,500 upfront (\$3,000 for customers in Disadvantaged Communities)</p> <p>Up to \$2,175 additional for performance</p>	<p>Residential customers within PG&E service area that have a standard split-phase 240v electrical service and select from one of the vehicles/chargers listed in the Getting Started tab.</p> <p>Enrollment in customer group A,5 Vehicle-Grid Integrations of the Emergency Load Reduction Program (ELRP) is required and offers additional incentives.</p>

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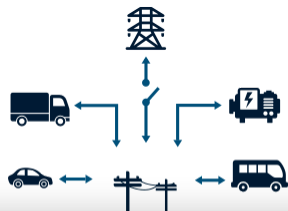
Pilot

V2X Commercial



Enrollment target:
200 (or when incentives are exhausted)

V2X [Microgrids](#)



Incentives

3-phase bidirectional charger less than 50 kW:

- Up to \$2,500 upfront (\$3,000 for customers in Disadvantaged Communities), up to \$3,625 for performance

3-phase bidirectional charger greater than or equal to 50 kW:

- Up to \$4,500 upfront (\$5,000 for customers in Disadvantaged Communities), up to \$3,625 for performance

Up to \$5,000 for performance
Can stack incentives with V2X Residential or Commercial

Eligibility and Requirements

Commercial customers within PG&E service area that have standard 3-phase electrical service and select from one of the vehicles/chargers listed in the Getting Started tab.

Enrollment in customer group A,5 Vehicle-Grid Integrations of the [Emergency Load Reduction Program \(ELRP\)](#) is required and offers additional incentives.

PG&E customers who are connected to a multi-customer microgrid subject to Public Safety Power Shutoffs and select from one of the vehicles/chargers listed in the Getting Started tab. Customers who are eligible for

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Pilot	Incentives	Eligibility and Requirements
200 (or when incentives are exhausted)		

Understand the technology

Bi-directional Charging

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[Audio description](#) → [Transcript \(PDF\)](#) →

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Get started

- Download the [application checklist \(PDF\)](#) to find everything you need to enroll. At this time, customers don't need to include aggregator information in their application.
- Before you buy anything, use this [key question guide \(PDF\)](#) to discuss your facility's readiness for V2X with an electrician.
- Select a vehicle and its compatible charger from the eligible products list below.
 - **Note:** New products continue to be added to the list. Please check back for updates.

Eligible Product List for the V2X Residential Pilot

Vehicle Model	Charger Model	Eligibility
Ford F-150 Lightning 2022 or 2023	Ford 80 Amp Charge Station Pro paired with the Sunrun Home Integration System	Backup Power Only (0% already subscribed)

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i Note to Manufacturers: If you want to see your product listed here, please contact vgipilotcommunications@pge.com.

Frequently asked questions

Customer FAQs

How long can the vehicle provide power to a property? 

How much do V2X Pilot incentives offset the costs for bidirectional technology? 

What happens if I need an electric panel or service upgrade? 

How much does it cost to connect my bidirectional electric vehicle system to the PG&E grid? 

Do I need to be enrolled in a specific rate to be eligible to participate? 

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Contractor FAQs

How do I comply with the Electric Vehicle Infrastructure Training Program (EVITP) certified electrician requirement? 

When should I contact PG&E Service Planning? 

Does the system need to be interconnected under Electric Rule 21? 

What if the customer also has rooftop solar or other renewable technology on Solar Billing Plan? 

Additional incentives available:

- [EV Savings Calculator](#)
- [Residential and commercial resources](#)

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For additional questions, contact vgipilotcommunications@pge.com.

More about EV

EV submetering program

Learn about the EV pilot program.

[Visit EV submetering](#) →

Empower EV program

Learn more about the Empower EV program.

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DISTRIBUTED ENERGY

California's Bidirectional Charging Mandate Would Create Microgrids on Wheels & Turbocharge Resiliency

A California bill calling for bidirectional electric vehicles is "the most important bill of the year in California," and would create mobile microgrids, said Peter Asmus, executive director, Alaska Microgrid Group.

[Lisa Cohn](#)

July 19, 2023



California has proposed requiring all electric vehicles (EVs) to be equipped with bidirectional charging beginning in model year 2030 – a move that would create

microgrids on wheels that could support the grid, cut the need for fossil-fired peaker plants, reduce air pollution and provide resilience to disadvantaged communities during outages.

The California Assembly Energy Committee approved the bill July 12. During that same week, a heat wave in California prompted utilities to email customers encouraging them to purchase fossil-fuel backup generators, said Kurt Johnson, director of community energy resilience for the Climate Center, which sponsored the bill, [SB 233](#).

Peter Asmus, executive director of the Alaska Microgrid Group, a nonprofit that designs and builds microgrid projects in Alaska, said he's cautiously optimistic the bill will pass. If it makes it to Gov. Gavin Newsom's desk, Newsom will likely sign it because he has supported many climate initiatives, Asmus said.

Bidirectional charging is in its infancy in the U.S. The best known example of this technology is the Ford F-150 Lightning. Drivers have boasted on social media that these electric trucks – which are sold equipped with bidirectional charging – have kept the lights on in their homes during power outages.

To use the technology, EV drivers need to purchase bidirectional chargers that can both charge the car and discharge the energy in the car's battery to homes, buildings or the grid. Only a few bidirectional chargers are available right now, including chargers from Fermata Energy and Dcbel.

Bidirectional EVs as distributed energy resources

As electrification efforts continue – especially with the deployment of more EVs – the bidirectional EVs can supply clean energy to the grid when it's needed. Failing to take advantage of the growing number of EVs as clean distributed energy resources would be a lost opportunity, Asmus said.

In addition, bidirectional EVs, serving as mobile microgrids, can be driven to disadvantaged communities – where residents can't afford solar, storage and microgrids

– to provide resilience during outages. They could also be driven to communities experiencing weather-related outages. In addition, the EV batteries could be aggregated to create a virtual power plant.

Such applications reduce dependence on fossil-fueled peaker plants and cut greenhouse gas emissions.

The “most important bill” in California

“I think this is the most important bill of the year in California,” said Asmus. “As California goes, so does the nation.” When California created refrigeration standards, manufacturers didn’t want to create a refrigerator for California and one for other states. So they focused on producing refrigerators for the entire U.S. that met California’s standards, he said.

“SB 233 is the most important climate legislation in history,” added John Sarter, Dcbel West Coast smart home integration partner. “The bill will enable all electric vehicles to become renewable energy partners to the grid, rather than a strain upon it. This enables a continually expanding excess capacity to be utilized by the grid for peak energy demands,” he said.

SB 233 was introduced by California Sen. Nancy Skinner, D-Oakland, and directs the California Energy Commission (CEC) and California Air Resources Board (CARB), working with the California Public Utilities Commission, to clarify, by December 2024, the definition of bidirectional-capable EVs to help the industry move toward the requirement of the bill.

According to the Climate Center, the bill also:

- Requires that by model year 2030, all EVs sold in California are bidirectional capable, except EVs exempt as determined by CARB.
- Directs the CEC and CARB to revise existing incentives for EVs to provide higher incentive levels for bidirectional-capable EVs and EV equipment, focusing first on

investments in disadvantaged communities.

- Directs the CEC, in consultation with CARB, to establish state vehicle-to-home, vehicle-to-building and vehicle-to-grid goals to support emergency backup, electrical grid reliability and electric vehicle grid integration goals.

A small percentage of bidirectional EVs could do a big job

California has about 1.5 million EVs on the road and expects an estimated 8 million by 2030. If the state's EVs become bidirectional, it would only take a small percentage of the 8 million to provide enough power to help avoid blackouts and create a more resilient grid. This would create cleaner air because renewable energy stored in EV batteries could be released during periods of high demand, said Johnson.

“I do think EVs are the distributed energy resources of the future,” said Asmus. “This also means we'll need more microgrids. With more and more EVs, we'll need a resilient grid to support EV charging.”

In addition, bidirectional EVs can serve as resources for microgrids, he said.

From a grid planning perspective, bidirectional EVs are less expensive than paying for new power plants, said Johnson. A study by the Electric Power Research Institute found that utilities and ratepayers could save **\$1 billion** a year with vehicle-to-grid technologies.

Pacific Gas & Electric (PG&E), which implements public safety power shutoffs during fire season in its territory, hasn't taken a position on the bill, said Mike Gazda, spokesman for PG&E.

“PG&E supports the expansion of vehicle-to-grid technologies, such as bidirectional charging, and has a company goal of enabling 2 million electric vehicles in its service territory to participate in vehicle-grid integration applications by 2030,” he said.

PG&E is one of many utilities presenting on important grid transformation issues at T&D World Live

Sept. 12-14 in Sacramento: Learn more here

Grid Transformation for an Electrified World

Tiptoeing into bidirectional charging

A few utilities and organizations are giving bidirectional charging a test run.

PG&E's [vehicle-to-everything](#) pilot provides incentives for people to try vehicle-to-home, vehicle-to-commercial property and vehicle-to-microgrid charging.

The Alliance Center, a Denver, Colorado, nonprofit that models innovative green building technologies, is installing a Fermata Energy bidirectional [charger](#) with demand-peak predictive software to reduce energy costs while tackling climate change.

EVs can become part of the shared economy

Fermata Energy is one of the first companies to develop bidirectional charging technology. And Dcbel, recently received Underwriters Laboratories' [approval](#) of its bidirectional charger. The Dcbel R16 is a solar inverter combined with a two-port bidirectional EV charger, said Sarter. It can manage all home energy, including a stationary battery, and export to the grid. And Emporia Energy plans to release in 2024 a [bidirectional charger](#).

And Tesla, known for being an opponent of bidirectional charging, has said it will release an EV with the capability in [two years](#).

Bidirectional EV technology takes advantage of assets that sit idle 90% of the time. Owners of EVs with this technology may soon join Airbnb renters and Uber drivers who also make use of assets sitting idle – at home or in a garage.

“I think that’s the wave of the future, and this fits into more of a shared economy,” said Asmus.





About the Author

Lisa Cohn | Contributing Editor

I focus on the West Coast and Midwest. Email me at lcohn@endeavorb2b.com

I've been writing about energy for more than 20 years, and my stories have appeared in EnergyBiz, SNL Financial, Mother Earth News, Natural Home Magazine, Horizon Air Magazine, Oregon Business, Open Spaces, the Portland Tribune, The Oregonian, Renewable Energy World, Windpower Monthly and other publications. I'm also a former stringer for the Platts/McGraw-Hill energy publications. I began my career covering energy and environment for The Cape Cod Times, where Elisa Wood also was a reporter. I've received numerous writing awards from national, regional and local organizations, including Pacific Northwest Writers Association, Willamette Writers, Associated Oregon Industries, and the Voice of Youth Advocates. I first became interested in energy as a student at Wesleyan University, Middletown, Connecticut, where I helped design and build a solar house.

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LATEST IN DISTRIBUTED ENERGY



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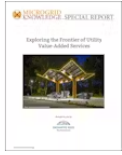
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MICROGRID KNOWLEDGE





**CAC Item C5
Consent Item 11**

To:	Ava Community Energy Authority
From:	Todd Edmister, Senior Director of Public Policy and Deputy General Counsel
Subject:	Discussion of Potential Proposition 4 Position (Action Item)
Date:	September 18, 2024

Summary/Recommendation

Vote on Resolution in support of Proposition 4.

Financial Impact

On net, Proposition 4 likely would result in savings to local governments, as it could replace local government money that would otherwise be needed to pay for a project. The estimated cost to California taxpayers to repay the bond would be about \$400 million annually over a 40-year period. Adopting a Resolution in support of Proposition 4 would have little to no fiscal impact.

Analysis and Context (with deadlines as applicable)

In the November 2024 General Election, California voters will vote on Proposition 4, the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024. The measure would authorize \$10 billion in general obligation bonds for drought, flood, water resilience, wildfire and forest resilience, biodiversity, climate smart agriculture, park, and open space, and more. The \$10 billion would be allocated as follows:

- \$3.8 billion for drought, flood, and water supply
- \$1.5 billion for forest health and wildfire prevention
- \$1.2 billion for sea-level rise and coastal areas
- \$1.2 billion for land conservation and habitat restoration
- \$850 million for energy infrastructure
- \$700 million for park creation and outdoor access programs
- \$450 million for extreme heat mitigation programs; and
- \$300 million for farms and agriculture

Proposition 4 would also require that 40% of the bond revenue be used to fund activities that benefit communities with lower incomes or that are affected by environmental changes or disasters.

Of these allocations, the most relevant to Ava, as detailed in the authorizing legislation SB 867 (Allen), include:

- Energy Infrastructure (\$850 million)
 - Transmission Lines: \$325 million for the public financing of clean energy transmission projects that are necessary to meet the state's clean energy goals to reduce or offset ratepayer costs associated with the public benefits of transmission projects. Preference may be given to projects under this section that provide multiple benefits, including, but not limited to, reducing the risk of wildfire, reducing reliance on fossil fuel plants in disadvantaged communities, and reducing rate pressure, including reconductoring and other grid-enhancing technologies.
 - Battery Storage: \$50 million to support the Long-Duration Energy Storage Program, including zero-emission distributed energy backup assets, virtual power plants, and demand side grid support.
 - Offshore Wind: \$475 million to support various activities related to offshore wind, including construction of port facilities for manufacturing, assembly, staging and integration of wind generation components; and expansion and improvements of port infrastructure to accommodate vessels involved in the installation, maintenance, and operation of offshore wind generation.
- Wildfire and Forest Resilience (\$1.5 billion)
 - \$35 million to reduce wildfire risk related to electricity transmission.
- Extreme Heat (\$450 million)
 - Community Resilience: \$60 million to the Office of Emergency Services and the Strategic Growth Council for competitive grants for the creation of

strategically located community resilience centers across diverse regions of the state at eligible community facilities.

- The remainder of the funding will go to activities to minimize the heat island effect, including urban greening; grants for local communities to conduct activities that provide environmental benefits, such as reducing air pollution; and upgrades to fairgrounds to enhance their abilities to act as a resilience center.

California law strictly limits the actions that Ava can take in support of a ballot measure, and it is not considered as part of the agency's legislative policy platform. Ava may only take a position on a voter initiative by a resolution of the Board of Directors, separate from its legislative policy platform. After adopting the resolution, Ava may publish the resolution and position on its website and provide the resolution to the relevant campaign. Ava cannot participate in any advocacy efforts beyond this formal position statement.

Committee Recommendation

The Community Advisory Committee has placed this item on its agenda for September 16, 2024.

Attachments (if applicable)

- A. Draft Resolution in Support of Proposition 4
- B. California Attorney General Summary of Proposition 4

RESOLUTION NO. R-2024-xx

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF AVA COMMUNITY ENERGY AUTHORITY IN SUPPORT OF
PROPOSITION 4**

WHEREAS The Ava Community Energy Authority (“Ava”) was formed as a community choice aggregation agency (“CCA”) on December 1, 2016, under the Joint Exercise of Powers Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Piedmont, Oakland, San Leandro, and Union City to study, promote, develop, conduct, operate, and manage energy-related climate change programs in all of the member jurisdictions. The cities of Newark and Pleasanton, located in Alameda County, along with the City of Tracy, located in San Joaquin County, were added as members of Ava and parties to the Joint Powers Agreement in March of 2020. The city of Stockton was added as a member to Ava in September of 2022. The city of Lathrop, was added as a member to Ava in October of 2023. San Joaquin County was added as a member to Ava on July 17, 2024. On October 24, 2023, the Authority legally adopted the name Ava Community Energy Authority, where it had previously used the name East Bay Community Energy Authority since its inception.

WHEREAS in the November 2024 General Election, California voters will vote on Proposition 4, the Safe Drinking Water, Wildfire Prevention, Drought Preparedness, and Clean Air Bond Act of 2024. The measure would authorize \$10 billion in general obligation bonds for drought, flood, water resilience, wildfire and forest resilience, biodiversity, climate smart agriculture, park and open space, and more;

WHEREAS Proposition 4 would also require that 40% of the bond revenue be used to fund activities that benefit communities with lower incomes or that are affected by environmental changes or disasters; and

WHEREAS on net, Proposition 4 likely would result in savings to local governments, as it could replace local government money that would otherwise be needed to pay for a project. The estimated cost to California taxpayers to repay the bond would be about \$400 million annually over a 40-year period.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF AVA COMMUNITY ENERGY AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. The Board of Directors hereby declares its support for Proposition 4, which would provide funding for energy infrastructure, wildfire and forest resilience, and community resilience projects.

ADOPTED AND APPROVED this _____ day of _____, 2024.

Jack Balch, Chair

ATTEST:

Adrian Bankhead, Clerk of the Board

PROPOSITION
4 AUTHORIZES BONDS FOR SAFE DRINKING WATER, WILDFIRE PREVENTION, AND PROTECTING COMMUNITIES AND NATURAL LANDS FROM CLIMATE RISKS. LEGISLATIVE STATUTE.

OFFICIAL TITLE AND SUMMARY

PREPARED BY THE ATTORNEY GENERAL

The text of this measure can be found on page 75 and the Secretary of State’s website at voterguide.sos.ca.gov.

4

- Authorizes \$10 billion in state general obligation bonds for various projects to reduce climate risks and impacts: \$3.8 billion for safe drinking water and water resilience; \$1.95 billion for wildfire prevention and extreme heat mitigation; \$1.9 billion for protection of natural lands, parks, and wildlife; \$1.2 billion for protection of coastal lands, bays, and oceans; \$850 million for clean energy; and \$300 million for agriculture.
- Prioritizes projects benefitting disadvantaged communities.
- Requires annual audits.
- Appropriates money from General Fund to repay bonds.

SUMMARY OF LEGISLATIVE ANALYST’S ESTIMATE OF NET STATE AND LOCAL GOVERNMENT FISCAL IMPACT:

- Increased state costs of about \$400 million annually for 40 years to repay the bond.

State Bond Cost Estimate

Amount borrowed	\$10 billion
Average repayment cost	\$400 million per year over 40 years
Source of repayment	General tax revenue

FINAL VOTES CAST BY THE LEGISLATURE ON SB 867 (PROPOSITION 4) (CHAPTER 83, STATUTES OF 2024)

Senate:	Ayes 33	Noes 6
Assembly:	Ayes 66	Noes 6

ANALYSIS BY THE LEGISLATIVE ANALYST

BACKGROUND

State Pays for Natural Resources and Climate Activities. The state pays for many activities aimed at conserving natural resources, as well as responding to the causes and effects of climate change (“natural resources and climate activities”). These activities focus on increasing the amount of water available for use, conserving land to benefit fish and wildlife, increasing recreational opportunities at state and local parks, and other purposes. In some cases, state government agencies perform natural resources and climate activities. In other cases, the state provides grants and loans to local governments, not-for-profit organizations, and businesses to support similar activities.

State Pays for Natural Resources and Climate Activities in Various Ways. Sometimes the state pays up front for natural resources and climate

activities with money it already has. In other cases, the state pays for these activities by using bonds. Bonds are a way that the state borrows money and then repays the money plus interest over time. (For more information about bonds, please see “Overview of State Bond Debt” later in this guide.)

Over the past decade, the state has spent an average of about \$13 billion each year (annually) on natural resources and climate activities. About 15 percent of this amount has been from bonds. The state still has a few billion dollars remaining from prior natural resources and climate bonds that have not yet been committed for specific activities.

Local and Federal Governments Also Pay for Similar Activities. In addition to the state funding, other entities also pay for natural resources and climate activities. For example,

ANALYSIS BY THE LEGISLATIVE ANALYST

CONTINUED

in some areas, local governments pay for water and energy infrastructure as part of their roles as local utilities. Local governments such as cities and counties also pay for local parks. The federal government also pays for various natural resources and climate activities. For example, the federal government provides money to improve local drinking water systems and to build energy infrastructure.

PROPOSAL

New Bond for Natural Resources and Climate Activities. Proposition 4 allows the state to sell a

\$10 billion bond for natural resources and climate activities. Much of the bond money would be used for loans and grants to local governments, Native American tribes, not-for-profit organizations, and businesses. Some bond money also would be available for state agencies to spend on state-run activities.

Funding Would Pay for a Variety of Activities. As shown in Figure 1, Proposition 4 pays for activities within eight broad categories, each with different goals. Some of the main activities in each category are summarized below:

Figure 1

Key Goals of Proposition 4 Bond Funds
(In Millions)

Category	Key Goals	Amount
Drought, Flood, and Water Supply	Increase the amount and quality of water available for people to use and reduce the risk of flooding.	\$3,800
Forest Health and Wildfire Prevention	Improve the health of forests and protect communities from wildfires.	1,500
Sea-Level Rise and Coastal Areas	Reduce the risks from sea-level rise, restore coastal areas, and protect fish.	1,200
Land Conservation and Habitat Restoration	Protect and restore natural areas.	1,200
Energy Infrastructure	Support the state’s shift to more renewable sources of energy, such as offshore wind.	850
Parks	Expand, renovate, and repair local and state parks.	700
Extreme Heat	Reduce the effects of extreme heat on communities.	450
Farms and Agriculture	Help farms respond to the effects of climate change and become more sustainable.	300
Total		\$10,000

PROPOSITION
4 AUTHORIZES BONDS FOR SAFE DRINKING WATER, WILDFIRE PREVENTION, AND PROTECTING COMMUNITIES AND NATURAL LANDS FROM CLIMATE RISKS. LEGISLATIVE STATUTE.

ANALYSIS BY THE LEGISLATIVE ANALYST

CONTINUED

4

- ***Drought, Flood, and Water Supply (\$3.8 Billion)***. Roughly half of this money would be for activities to increase the amount and quality of water available for people to use (\$1.9 billion). This would include storing water so it can be used during future droughts, as well as cleaning polluted water to make it safe to drink. Money would also be used to help reduce the risk of floods, such as by repairing dams and capturing and reusing stormwater (\$1.1 billion). The rest of the money would be used for various activities, such as restoring rivers and lakes.
 - ***Forest Health and Wildfire Prevention (\$1.5 Billion)***. All of this money would support activities to improve the health of forests and reduce the risk of severe and destructive wildfires. This would include thinning trees in forests that are overgrown and clearing vegetation near where people live. Money would also be used for other activities, such as helping homeowners make their properties more resistant to wildfire damage.
 - ***Sea-Level Rise and Coastal Areas (\$1.2 Billion)***. Most of this money would pay for activities to restore coastal areas and protect them from the effects of rising sea levels (\$890 million). This could include restoring wetlands so they can serve as buffers to rising sea levels. The rest of this money would be used to improve ocean habitats and protect fish and other marine wildlife (\$310 million).
 - ***Land Conservation and Habitat Restoration (\$1.2 Billion)***. This money would be used to protect and restore land for the benefit of fish and wildlife. For example, it could support purchasing land to set aside so that it is not developed.
 - ***Energy Infrastructure (\$850 Million)***. More than half of this money would support the development of wind turbines off the California coast (\$475 million). Most of the remaining money would pay for building infrastructure such as transmission lines to carry electricity long distances (\$325 million). The rest of the money would pay for projects to build large batteries that store electricity for when it is needed (\$50 million).
 - ***Parks (\$700 Million)***. The bulk of this money would support various activities that expand recreational opportunities at parks or reduce the impacts of climate change on parks (\$300 million). These activities could include adding new trails and parking areas. Some of this money would provide grants to local communities to build new parks or renovate existing parks (\$200 million). The rest of this money would be used to repair state parks and provide nature education (\$200 million).
 - ***Extreme Heat (\$450 Million)***. Much of this money would pay for activities focused on protecting communities from extreme heat (\$200 million). These activities could include adding trees and greenspaces. Money would also support places for people to go during heatwaves or disasters (\$100 million). The rest of the money would provide grants for local communities to conduct activities that provide environmental benefits, such as reducing air pollution (\$150 million).
 - ***Farms and Agriculture (\$300 Million)***. Much of this money would be used for activities that encourage farmers to improve soil health, reduce air pollution, and use less water (\$105 million). This money would also support community gardens and farmers' markets, such as by purchasing shade canopies (\$60 million). The rest of this money would support a range of other activities, such as purchasing vans to transport farmworkers and conserving farmland.
- Establishes Other Requirements for the Use of Funds.*** Proposition 4 requires the bond money to be used in certain ways. For example, at least 40 percent of bond money must be used for activities that directly benefit communities that

ANALYSIS BY THE LEGISLATIVE ANALYST

CONTINUED

have lower incomes or are more vulnerable to the impacts of climate change. Proposition 4 also requires regular public reporting of how the bond money is spent.

FISCAL EFFECTS

Increased State Costs of About \$400 Million Annually for 40 Years to Repay the Bond. The estimated cost to repay the bond would be **about \$400 million annually over a 40-year period.**

Payments would be made from the state General Fund. (The General Fund is the account the state uses to pay for most public services, including education, health care, and prisons.) This would be less than one-half of 1 percent of the state's total General Fund budget. Since the state has to pay interest on the money it borrows, the total cost of the bond would be about 10 percent more (after adjusting for inflation) than if the state paid up front with money it already has.

Likely Reduced Local Costs for Natural Resources and Climate Activities. The availability of state bond funds could have various fiscal effects on local governments. In some cases, the additional state funding could replace local government money that would otherwise be needed to pay for a project. For example, this could include using bond funds to help support an essential water treatment facility the local government otherwise would have needed to fund by itself. In other

cases, however, the availability of state funds could encourage local governments to spend more money to build larger projects than they otherwise would. For example, this could include adding additional amenities to a local park. On net, Proposition 4 likely would result in savings to local governments. The amount of these savings is uncertain but could average tens of millions of dollars annually over the next few decades.

Potential State and Local Savings if Funding Prevents Disasters. To the extent the bond funds result in completing activities that reduce the risk or amount of damage from disasters, it could reduce state and local costs for responding to and recovering from those events. For example, improving a levee could reduce the amount of flooding that occurs. Additionally, thinning trees in a forest could reduce the severity of wildfires. The amount of such potential savings is uncertain.

Visit sos.ca.gov/campaign-lobbying/cal-access-resources/measure-contributions/2024-ballot-measure-contribution-totals for a list of committees primarily formed to support or oppose this measure.

Visit fppc.ca.gov/transparency/top-contributors.html to access the committee's top 10 contributors.

★ ARGUMENT IN FAVOR OF PROPOSITION 4 ★

4

YES on 4: TO CLEAN AND PROTECT OUR DRINKING WATER, PREVENT WILDFIRES

Prop. 4 makes urgent, commonsense investments to protect our communities, health, economy, and natural resources by:

- Cleaning up and protecting water supplies
- Preventing devastating wildfires
- Protecting forests, beaches, fresh water sources, and wildlife habitat

Voting Yes on 4 is urgently needed. California faces increasing threats from wildfires, water pollution, and extreme heat. Investments *today* can prevent future costs and damage from a changing climate and more frequent natural disasters.

PROVIDING CLEAN, SAFE DRINKING WATER

Prop. 4 will clean up and protect California’s drinking water supplies in all regions of California—remove toxic pollutants from our drinking water, addressing infrastructure risks like weakened dams and levees, and increasing supplies.

Today, nearly 1 million Californians lack access to drinking water that meets safety and reliability standards, according to the State Water Board. Yes on 4 helps ensure we all have safe water to drink.

PREVENTING DEVASTATING WILDFIRES AND SMOKE

Recent California wildfires have burned 2 million acres, released toxic smoke into our air, and polluted drinking water supplies. Fire damage and smoke have harmed quality of life and health, including children’s lungs, in every corner of California. Prop. 4 invests in projects to prevent wildfires, reduce their intensity when they do occur, and improve disaster response.

“Giving firefighters the tools to prevent wildfires is the best, most cost effective way to prevent the human and financial costs of these disasters. Prop. 4 makes the right investments to save lives and billions in response and recovery costs.”—Tim Edwards, President, CALFIRE Firefighters

PROTECTING FORESTS, BEACHES, RIVERS, STREAMS, AND WILDLIFE

Our beaches, forests, and mountains make California special, and we have a responsibility to protect them for our children and future generations. Protecting natural areas and wildlife is more urgent today than ever before, as we lose wildlife habitat, farm and ranchland, and even beaches wash away. Prop. 4 protects these natural areas from wildfire, pollution, and other threats from a changing climate.

PROTECTING PUBLIC HEALTH

By removing pollution from the air and toxins from our water, Prop. 4 protects the health of vulnerable seniors and children.

STRONG FISCAL RESPONSIBILITY, ACCOUNTABILITY & TRANSPARENCY

California is already paying the price for failing to adequately prepare for drought and a changing climate. This measure helps shift from disaster response to *prevention*.

Our state and communities will save billions more by avoiding and reducing damage from wildfires, droughts, and floods.

Prop. 4 contains strict fiscal accountability and transparency:

- Annual independent audits
- Full public disclosure of all future funding

Join California firefighters (CalFire Local 2881), the National Wildlife Federation, the Nature Conservancy, Clean Water Action, and water agencies including San Diego Co Water Authority: YES on 4.

Jennifer Clary, State Director
Clean Water Action

Tim Edwards, President
CALFIRE Firefighters

Beth Pratt, California Regional Executive Director
National Wildlife Federation

★ REBUTTAL TO ARGUMENT IN FAVOR OF PROPOSITION 4 ★

Clean drinking water and preventing destructive wildfires are necessities, not luxuries. These should be addressed within our state budget, not by demanding \$10 billion more from the taxpayers in the form of a bond that will cost nearly double to repay—\$19.3 billion.

The challenges we face with wildfires and water supply are the result of decades of neglect and mismanagement of our resources. Empowering tribal leaders for forest management and investing in water infrastructure could have prevented these crises. These aren’t random occurrences, but repercussions of misguided policies.

Despite politicians’ frequent promises for accountability, since 2000 California voters have approved over \$30 billion in natural resources bonds—with little to show. After years of refusing to prioritize spending on forest management, we are suffering the aftermath of major wildfires that could have been prevented, or at least minimized. After years of refusing to invest in water storage, we are facing water supply instability.

Instead of burdening taxpayers with a bond that overpromises, we should tackle these issues in the budget. *Real change stems from commitment, not quick fixes.* This isn’t just policy, it’s our future. Let’s choose pragmatism over procrastination.

Sacramento politicians should not demand more money from the taxpayers or pressure voters to pass an unrealistic bond package that lacks any lasting change to state policy. Vote NO on Proposition 4.

Vote NO on deferring our environmental responsibility at double the cost. Let’s invest in a greener tomorrow today.

Senate Minority Leader Brian W. Jones
Assemblyman Jim Patterson

Jon Coupal, President
Howard Jarvis Taxpayers Association

★ ARGUMENT AGAINST PROPOSITION 4 ★

TOO MUCH DEBT, TOO LITTLE BENEFIT: THE PROBLEM WITH PROPOSITION 4

Bonds are the most expensive way for the government to pay for things. Proposition 4 would add a whopping \$10 billion of debt to the taxpayers—PLUS an estimated \$9.3 billion in interest—to pay for climate-related programs. This funding would also cover administrative costs and salaries for grant recipients. But remember, this is borrowed money.

At the start of the year, California already had over \$78 billion of bond debt. Proposition 1 in March added another \$6.38 billion. Now there's a proposal to add an additional \$10 billion for ambiguous climate programs. Guess who's going to foot the bill? That's right—we taxpayers. Our tax dollars will be diverted from essential services to cover interest payments and principal repayment of the bond.

Bonds are borrowed money that must be paid back, PLUS INTEREST, no matter what the state must cut to do it. Governor Newsom already declared a budget emergency because the state spends more than it takes in. How many programs will have to be cut in the future to pay for Proposition 4? According to the nonpartisan Legislative Analyst's Office, we had a \$62 billion deficit this year. What will happen when we have both a deficit AND the obligation to repay this enormous bond debt?

Two years ago, California had a nearly \$100 billion SURPLUS. If these climate projects had been prioritized then, we could have covered the entire cost of this bond with just 10 percent of that surplus. Now, due to the government's inability to manage its spending, they are asking voters for more of their hard-earned money.

AS A VOTER, YOUR TAX DOLLARS SHOULD FUND YOUR HIGHEST PRIORITIES, NOT PET PROJECTS.

Bonds should be reserved for financing essential projects that will build infrastructure lasting beyond the 30-year payoff period. However, many elements of Proposition 4 fail to meet that standard, resulting in \$10 billion of spending just being added to the taxpayers' credit card—with a lack of accountability or measured metrics for success! Proposition 4 is full of money being funneled to unproven technologies that may sound promising on paper but have no concrete evidence of success. By committing funds to speculative projects, Proposition 4 overlooks long-term water storage and critical wildfire fuel management programs in favor of short-term, unproven projects.

IT'S RECKLESS TO USE COSTLY BORROWED MONEY TO PAY FOR UNPROVEN PROGRAMS.

Proposition 4 represents a reckless increase in state debt with questionable benefits. The government should prioritize essential services and ensure that any borrowing is reserved for projects that provide lasting, tangible benefits to the state and its residents. Vital programs should be funded in the budget with the taxes we already pay, not through costly borrowing. What's in the budget that's a higher priority than safe drinking water and wildfire prevention? Politicians should answer that question before racking up another \$10+ billion in debt that will have to be paid back, WITH INTEREST.

Senate Minority Leader Brian W. Jones
Assemblyman Jim Patterson
Jon Coupal, President
Howard Jarvis Taxpayers Association

4

★ REBUTTAL TO ARGUMENT AGAINST PROPOSITION 4 ★

YES on 4: ADDRESSES CALIFORNIA'S HIGHEST PRIORITY DRINKING WATER and FIRE PREVENTION NEEDS

California firefighters, clean water organizations, public health experts, and conservation groups urge YES on 4, to address our state's *most vital needs* for a safe water supply, wildfire prevention, and clean air.

The opposition itself admits, clean water and wildfire prevention are critical priorities.

Prop. 4 makes efficient, sensible investments in proven solutions: upgrading drinking water treatment to remove contaminants, fixing crumbling dams and levees to prevent floods, creating groundwater storage and recycling plants to boost supply and prepare for drought, and investing in effective wildfire prevention and containment strategies.

YES on 4: SMART, URGENT INVESTMENTS WITH STRICT ACCOUNTABILITY REQUIREMENTS, PROTECTS COMMUNITIES AND PREVENTS BILLIONS IN FUTURE COSTS

Yes on 4 is fiscally responsible and fully transparent. Nearly 1 million Californians lack access to clean drinking water. Yes on 4's investments strengthen safe water

supplies and flood control infrastructure—saving billions in temporary fixes and economic losses.

A UCLA study found 10 years of wildfire smoke have caused 50,000 premature deaths and \$400 billion in economic losses. Wildfire prevention saves six times its cost in reduced damage, while protecting our health.

“California's financial health is vulnerable to natural disasters, neglected infrastructure, and a changing climate. Without raising taxes, Yes on Prop. 4 saves California money while helping state and local governments protect our communities.”—Tim Gage, former state Director of Finance. California communities can't wait.

YES on 4: CLEAN DRINKING WATER, WILDFIRE PREVENTION, and OUR HEALTH.

Susana De Anda, Executive Director
Community Water Center
Sarah Gibson, Fire Manager
The Nature Conservancy

Christopher Chavez, Deputy Policy Director
Coalition for Clean Air



**CAC Item C6
Consent Item 12**

To:	Ava Community Energy Authority
From:	Michael Quiroz, Senior Regulatory & Data Analyst
Subject:	Approving a Resolution authorizing Ava participation in PG&E Hourly Flex Pricing Pilots
Date:	September 18, 2024

Recommendation

This report proposes the Board adopt a Resolution approving Ava’s participation in Hourly Flex Pricing (“HFP”) pilots thereby complying with the California Energy Commission’s Load Management Standards requirements.

Financial Impact

The potential financial costs and benefits to Ava of participating in the hourly pricing pilots are:

Costs	Benefits
Administrative staff time	\$20/kW-year state incentive to Ava for enrolling customers
Bill credits to customers who reduce their usage	Reduced procurement costs due to customer load shift

Numbers for each of these categories are necessarily uncertain as there is little available data on the likely number of customers that will participate, or the extent to which participants will change their behavior in response to price signals.

In light of the uncertainties above, staff modeled multiple scenarios with various levels of customer adoption and price responsiveness.

Table 1: Financial estimates

Projected maximum cost of bill credits, less procurement savings, over 3-year pilot period			
Peak load reduction	Low adoption	Medium adoption	High adoption
Non-res customer count	15	31	62
1%	\$ 7,068	\$ 14,137	\$ 28,273
5%	\$ 23,605	\$ 47,211	\$ 94,421
10%	\$ 57,315	\$ 114,630	\$ 229,259

These estimates do not include:

- Estimated administrative and implementation costs (\$225,000) across 3 years
- Estimated state incentives paid to Ava totaling (\$300,000)

These estimates assume that Ava staff participates in customer outreach to commercial and industrial (C&I) customers, and that these customers do not shift or increase consumption in response to low hourly prices. As such, these estimates could be considered the **maximum possible cost** in each scenario. It is worth noting that with the \$300,000 in state incentives, Ava recoups more than its total costs in several scenarios.

See appendix A for more information on the methodology for this financial analysis.

Analysis and Context

Overview

California Energy Commission (“CEC”) regulations, 20 CCR § 1623.1, *Large POU and Large CCA Requirements for Load Management Standards* (“LMS”), require Community Choice Aggregators (“CCAs”) to offer customers voluntary participation in hourly marginal cost-based rates (“hourly rates”) by 2027. The LMS provide that a CCA may modify compliance with this requirement if implementing hourly rates is found not to be technologically feasible, equitable, safe, or cost-effective.¹

The Board approved Ava’s Load Management Standards Compliance Plan (“Compliance Plan”) in March of 2024. At the time, the plan concluded that:

“Ava does not currently have sufficient information to conclude that proposing and implementing dynamic rates would be cost effective or provide benefits to Ava customers. Significant uncertainties exist related to the level of incremental load shift potential, customer response to market price risks, customer acceptance and adoption of a complex new rate design, the administrative costs of dynamic rate implementation, and potential cost shifts between participants and non-participants. To address these uncertainties, Ava is considering participating in dynamic pricing

¹ LMS §1623.1(a)(2)

pilots and rates with PG&E... Ava will re-evaluate the proposal of dynamic rates in the next update of this plan with the benefit of additional information from pilots.”²

Since the adoption of the Compliance Plan, Ava staff has been coordinating with PG&E on the development of California Public Utilities Commission (“CPUC”) approved hourly pricing pilots that could better inform Ava’s evaluation of hourly rates. Most immediately, PG&E is preparing to launch 1) the Expanded Pilots and 2) the Vehicle to Grid Integration (“VGI”) Pilots, as authorized by the CPUC in Resolution E-5192³ and D.24-01-032⁴ respectively.

The Expanded Pilots

The Expanded Pilots are an extension of Valley Clean Energy and PG&E’s Agricultural Pumping Dynamic Rate Pilot (“Ag Pilot”), which was authorized in D.21-12-015.⁵ The Ag Pilot used hourly rates to incentivize large agricultural customers to pump water when energy is cheapest. The pilot also leveraged pump automation controllers to increase the responsiveness of customers to the hourly price signal.

An evaluation of the pilot found that automation technology facilitated significant reductions in load during peak times, and that dynamic pricing improved price responsiveness outside of the peak period relative to time of use rates.⁶ Encouraged by these results, the CPUC authorized the expansion of the Ag Pilot with the following characteristics:

- Eligibility for bundled and unbundled agricultural, commercial, industrial, and residential customers on agriculture, medium-large commercial/industrial, and residential tariffs: AG-A1, AG-A2, AG-B, AG-C, B-6, B-10, B-19, B-20, E-ELEC, and EV-2AAAn enrollment target of 100MW for all of PG&E’s territory; a minimum enrollment level of 20MW; and no cap on total enrollment
- Administration by PG&E with the option of participation by CCAs
- An incentive of \$20 per kW-year enrolled in the pilot for participating CCAs
- A marketing, education, and outreach strategy developed by PG&E

² Ava Community Energy Load Management Standards Compliance Plan, at 17

³ Resolution E-5192, Pacific Gas and Electric Company Advice Letter 6259-E requests approval of four vehicle-grid integration pilots pursuant to Decision 20-12-029, issued May 6 2022

⁴ D.24-01-031, Decision to Expand System Reliability Pilots of Pacific Gas and Electric Company and Southern California Edison Company, issued Jan 26 2024

⁵ D.21-12-015, Phase 2 Decision Directing Pacific Gas and Electric Company, Southern California Edison Company, and San Diego Gas & Electric Company to Take Actions to Prepare for Potential Extreme Weather in the Summers of 2022 and 2023, issued Dec 6 2021

⁶ Mid-Term Evaluation of Valley Clean Energy’s Agricultural Pumping Dynamic Rate Pilot, Daniel G. Hansen and Michael Ty Clark, December 22 2023

The Vehicle to Grid Integration (VGI) Pilots

Dually motivated by legislation and the recommendations of a working group,⁷ the CPUC authorized PG&E to propose VGI pilots that would test the effectiveness of bidirectional chargers in enabling smart charging and grid services.⁸

On July 15, 2021, PG&E filed AL 6259-E, which proposed the VGI Pilots. The CPUC approved the pilots with the following characteristics:

- Eligibility for bundled and unbundled residential and commercial customers on a variety of residential and non-residential rates: EV2-A, E-ELEC, B6, B10, B19, BEV, and B20;
- Enrollment targets of 1,000 residential customers with light duty EVs, and 200 commercial chargers that enable VGI for light, medium, and heavy duty EVs across all PG&E's territory;
- Upfront incentives for installation of bidirectional chargers;
- Administration by PG&E with the option of participation by CCAs.

Ava is aware of at least one commercial customer that is interested in participating in the VGI Pilots. If Ava does not offer this customer hourly rates via the VGI pilot, the customer would have to opt-out of Ava's service to receive those rates through PG&E's exclusive service.

Rate design and billing

The Expanded and VGI pilots will share the same rate design. The rates would include:

- Marginal Energy Cost ("MEC"): an hourly rate that reflects the incremental costs that a utility incurs to supply one more kilowatt-hour of electricity. The MEC would be based on the day ahead California Independent System Operator ("CAISO") price for PG&E's service territory.
- Marginal Generation Capacity Cost ("MGCC"): an hourly rate that reflects the cost associated with adding one more unit of generation capacity to meet peak demand. The MGCC would be based on PG&E's calculations, which are approved by the CPUC.
- A day ahead hourly distribution rate designed to recover primary distribution capacity costs ("PDCC"), depending on the customer's location.
- A transmission rate equal to the transmission rate on the customer's otherwise applicable tariff ("OAT").
- A subscription component that collects revenue equal to the customer's OAT rate applied to a predefined, customer-specific load profile. This component helps protect the

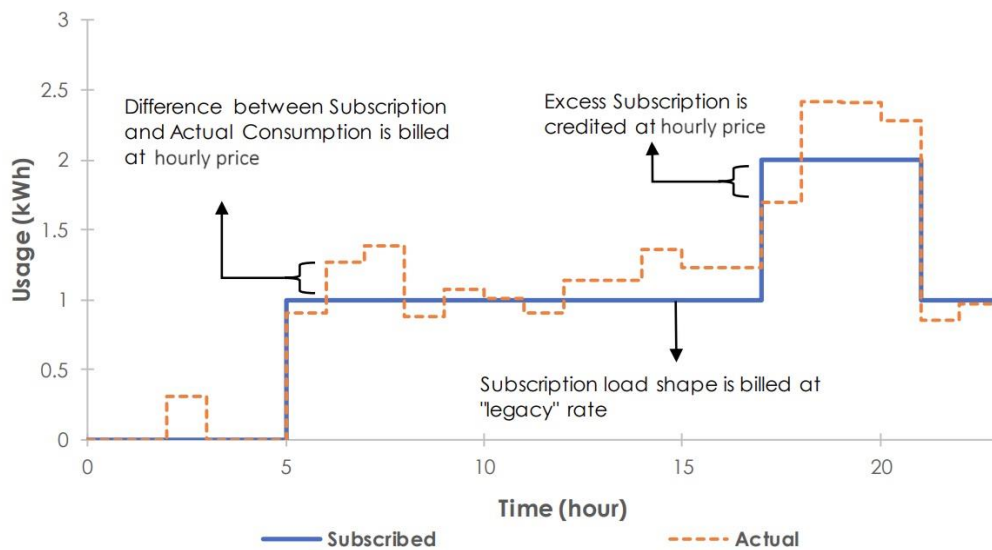
⁷ Senate Bill 676 (Ch. 484, Stats. 2019) requires the CPUC to establish strategies and quantifiable metrics to maximize the use of feasible and cost-effective electric vehicle integration in the grid by January 1, 2030. The VGI working group evaluated potential VGI use cases and provided policy recommendation in a June 30 2020 report.

⁸ D.20-12-029, Decision Concerning Implementation of Senate Bill 676 and Vehicle-Grid Integration Strategies, issued December 21 2020

customer from bill volatility caused by the hourly price signal. See Figure 1 below for further details on the subscription component.

During the pilot, participating customers will continue to pay their normal monthly electric bill according to their OAT. In addition to their normal monthly bill, customers will receive a performance report that reflects credits or charges based on the customers' performance under the hourly price. Customers are credited at the hourly price for reduced consumption. Every 12 months, the customer's monthly credits and charges will be trued-up, and the customer would receive a credit if they paid less on the hourly pricing pilot compared to their current plan. The customer would not be charged extra if they incur net charges. With this bill protection, participating customers can only benefit from the pilots.

Figure 1: customer subscription



Effect on Ava's Value Proposition

By engaging in these pilots, Ava would be offering participating customers the same hourly rates as PG&E. As such, any applicable credits from customers' participation in hourly pricing would not reflect Ava's value proposition. However, participating customers will never pay more than under their standard Ava OAT due to the pilots' annual bill protection. In addition, the performance report's billing structure ensures that customers on Bright Choice continue to receive a discounted rate compared to those on Renewable 100.

Implementation Plan and Timeline

The VGI pilot is targeted to launch at the end of September 2024, and the Expanded Pilots are targeted to launch in November 2024. Participation in the Expanded Pilots will initially be available to Ava customers on eligible commercial, industrial, and residential rates (agricultural customers will not be eligible initially). Ava plans to expand eligibility to customers on

agricultural rates as early as 2026. Customers will be able to enroll in the pilots through PG&E's webpage.

PG&E is working with automation service providers ("ASPs") to help automate and optimize customer load in response to hourly price signals. PG&E plans to include unbundled customers in their outreach efforts regardless of whether Ava decides to participate. If participation is approved, Ava will supplement PG&E's enrollment efforts through targeted and direct outreach to eligible commercial and industrial customers.

Conclusion

By participating in these pilots, Ava will gain valuable information about hourly rates, including how many customers are interested in adopting them; how customers respond to more granular price signals; how automation can increase the responsiveness of load; how to communicate with customers about complex rate design; and how the impact of hourly price signals varies across customer classes and demographics. This information is key to informing Ava's decision of whether to eventually adopt hourly rates and how to otherwise comply with the Load Management Standards.

Committee Recommendation

This item is slated for discussion during the September 11, 2024, meeting of the Financial, Administrative, and Procurement Committee. A PowerPoint presentation from that meeting is attached and has been updated based on board member feedback.

Attachments

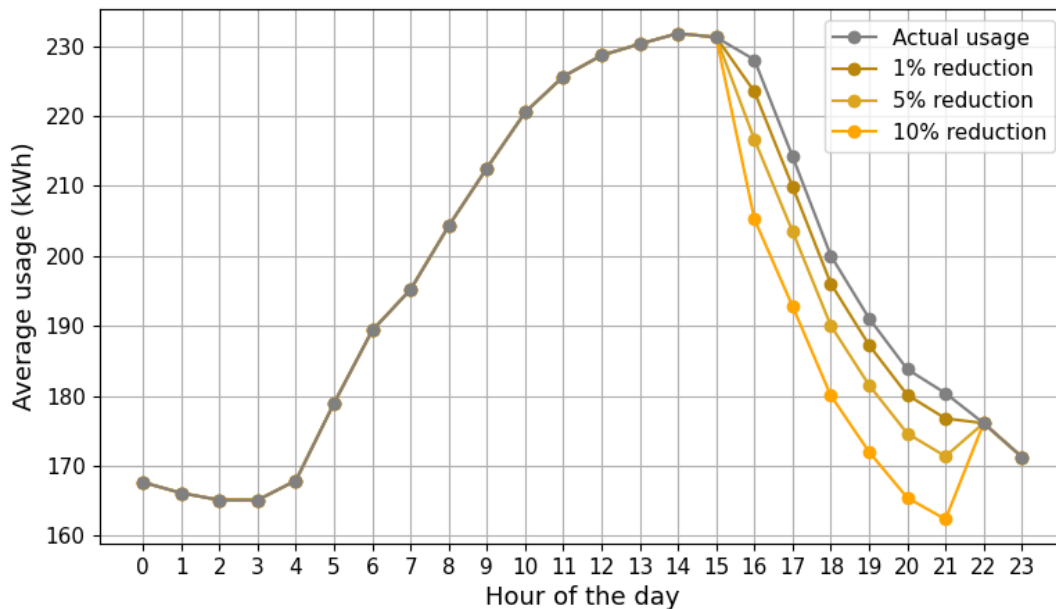
- A. Financial estimate methodology and assumptions
- B. Presentation from September 11 Financial, Administrative, and Procurement Meeting
- C. Resolution Authorizing Ava Participation in the PG&E Hourly Flex Pricing Pilot

Appendix A: Financial estimate methodology and assumptions

Methodology for estimating bill credits

1. Estimate reduced peak consumption under hourly pricing (see Figure 2 below)
2. Estimate customer-specific subscription loadshapes by averaging the usage in each hour of all matching day types (weekday/weekend) in a given month
3. Find Δ (kWh) between customer subscription and consumption
4. Multiply Δ (kWh) by the hourly price (\$/kWh) in each hour and sum across all hours to find the annual cost of bill credits
5. Combine projected costs (bill credits, administrative costs) and benefits (\$20/kW-yr incentive) across all three pilot years to find the total financial impact to Ava

Figure 2: Average BEA customer consumption and peak reduction scenarios



Key assumptions

- 2022 test year: Ava staff used historical customer data from 2022.
- Reduction in procurement costs: Procurement savings due to customer load shift can be approximated by the day ahead marginal energy cost ("MEC") which is the PG&E DLAP \$/kWh in each hour. For example, if a customer reduces consumption by 5 kWh in a given hour, and the MEC is 30¢/kWh, the reduction in procurement cost would be 5 kWh * 30¢ = \$1.5. In other words, that's 5 kWh that Ava doesn't have to purchase at 30¢/kWh. Procurement cost savings are incorporated into table 1.
- CPUC Incentives for CCAs: For participation in the expanded pilots, CCAs receive \$20 per kW-year of customer enrollment subject to a \$3,600,000 cap for all CCAs, or \$300,000 for each of the 12 CCAs in PG&E's service territory. Staff calculated each customer's capacity as their annual maximum hourly demand and found that in each scenario multiplying aggregate capacity by the \$20/kW-year incentive yielded an amount in excess

\$300,000. As such, staff assume that Ava receives the maximum of \$300,000 in incentives in each scenario. It is unclear how the CPUC will define and calculate enrolled customer capacity; a different methodology could potentially reduce the incentives Ava receives.

- Load reduction: Customers may increase or decrease their usage in response to hourly price signals. We assume that customers will decrease usage from 4-9PM, when hourly price signals are typically higher than time-of-use rates. We do not incorporate potential increases in customer usage during other times of the day.
- Customer adoption: Staff believe that large energy-conscious customers, such as those enrolled in Ava's Building Efficiency Accelerator (BEA) program, are more likely to adopt hourly rates. The "medium adoption" scenario assumes 31 current BEA customers enroll in the pilots. These customers currently take service on B6, B10, B19, B20, E20, and TC1. The "high adoption" scenario assumes double the enrollment, and the "low adoption" scenarios assume half.
- Residential customers: Ava staff modeled residential customer outcomes separately and found minimal financial impact. As such, this analysis focuses on large commercial and industrial, who might be more likely to adopt hourly rates.

Ava participation in hourly pricing pilots

September 11, 2024 Financial, Administrative, and Procurement Meeting



Summary

- Staff is seeking September board approval for Ava's participation in Hourly Flex Pricing (HFP, also known as real time pricing) as hourly rates will deviate from the existing value proposition
- Staff analyzed the financial impacts of voluntary customer participation
 - HFP pilot participation could result in a net benefit of **\$67,932** or cost of **\$154,259** depending on customer adoption and CPUC incentives, and not including reduced procurement costs

Background on hourly pricing

- The goal of hourly pricing is to align electricity prices more closely with the actual cost of generating/delivering electricity through the day, determined by supply and demand fluctuations
- Objectives include:
 - Incentivizing customers to optimize energy usage
 - Promoting grid efficiency by reducing strain during peak periods and increasing consumption when low-cost renewables are abundant
- Increased complexity relative to time of use ("TOU") rates

Objectives of HFP participation

- **Compliance with Load Management Standards (LMS)**
 - The CEC's Load Management Standards (LMS) require CCAs to evaluate and adopt hourly marginal cost rates/programs by 2027
 - Ava's LMS Compliance Plan, approved by the Board in March 2024, considered participation in hourly pricing pilots with PG&E to address uncertainties regarding hourly rates
 - CEC Staff has indicated that Ava's participation in RTP pilots is key to maintaining compliance.
- **Offer rate options comparable to PG&E**
 - Ava is aware of at least one commercial customer who will participate in the VGI Pilot. If Ava does not participate in the HFP pilots, interested customers would have to opt-out of Ava's service to receive those rates through PG&E's exclusive service.
- **Inform future HFP rate design & participation**
 - Ava will gain valuable information about hourly rates which is key to informing Ava's decision of whether to eventually adopt hourly rates and how to otherwise comply with the Load Management Standards.

Implementation

- **Launch timeline**

- September 2024 – VGI/V2X (residential & business EV rates, non-res customers that provide EV charging services)
- November 2024 - Expanded Pilots (C&I, residential rates)
- 2026 - Expanded Pilots (Ag rates)
 - Pilot available to Ag rates earlier; Ava is looking to participate in 2026 with new agriculture customers in unincorporated San Joaquin County

- **Billing**

- Customers receive an annual credit for responding to hourly price signals
- Annual bill protection; customers will not pay more than under their Ava otherwise applicable tariff (OAT)
- Customers will receive "shadow bills" reflecting what they would have been billed under hourly price signals; limited implementation work is required from Ava

- **Outreach**

- PG&E will market to unbundled customers regardless of whether Ava decides to participate
- Ava to supplement PG&E outreach with direct outreach to select C&I customers

Analysis overview

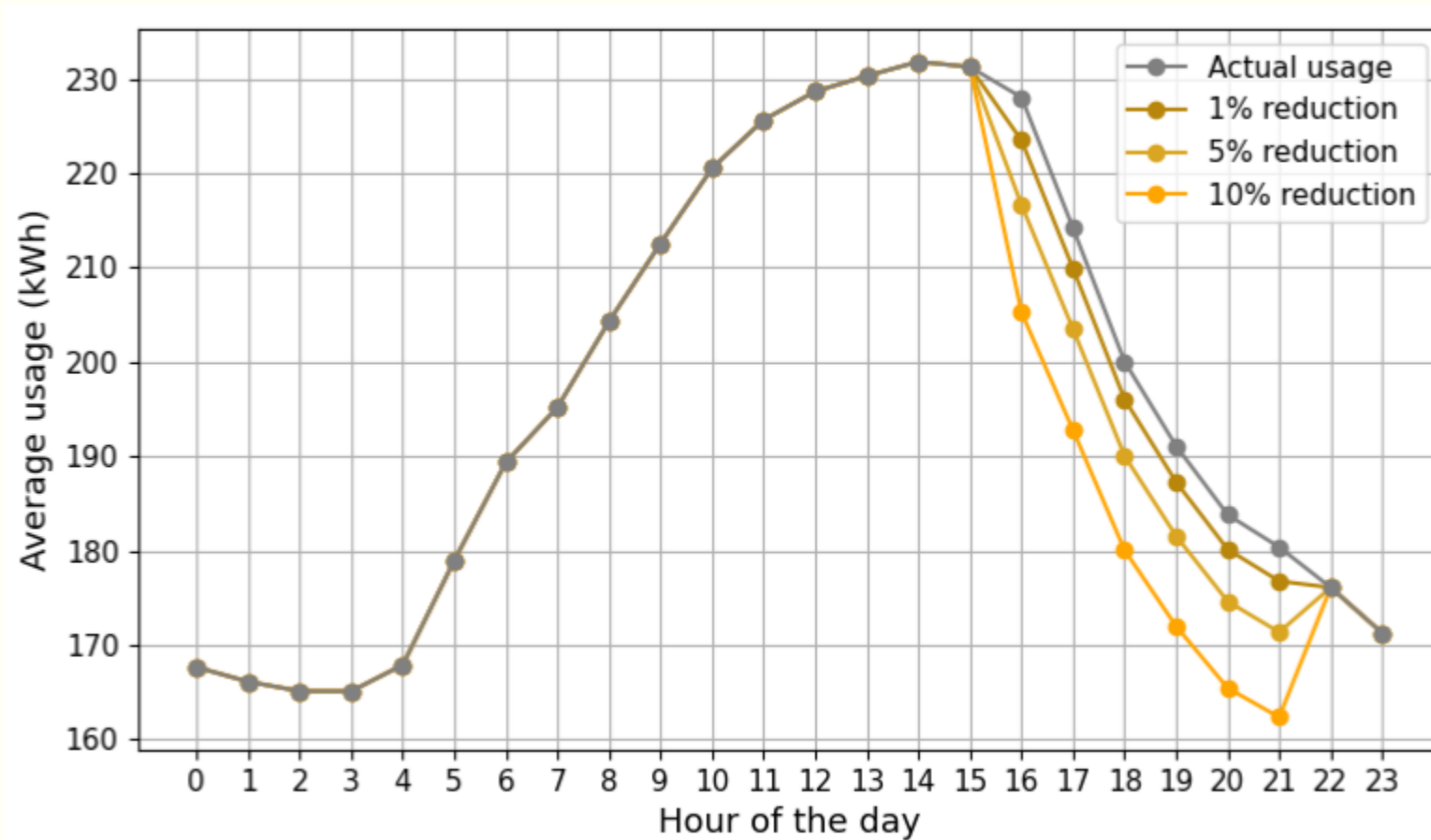
- Potential financial costs and benefits to Ava include:

Costs	Benefits
Bill credits to customers who reduce their usage	\$20/kW-year state incentive to Ava for enrolling customers
Administrative and implementation costs	Reduced procurement costs due to customer load shift

- There is uncertainty in how many customers will participate (enrollment is voluntary) and how customers will respond to hourly price signals
 - PG&E is working with automation service providers ("ASPs") to help automate and optimize customer load in response to hourly price signals
- To address uncertainty, staff modeled multiple scenarios with various levels of customer adoption and price responsiveness

Analysis overview

Figure 1: customer usage and estimated peak reduction



Analysis results

Projected maximum cost of bill credits, less procurement savings, over 3-year pilot period			
Peak load reduction	Low adoption	Medium adoption	High adoption
Non-res customer count*	15	31	62
1%	\$ 7,068	\$ 14,137	\$ 28,273
5%	\$ 23,605	\$ 47,211	\$ 94,421
10%	\$ 57,315	\$ 114,630	\$ 229,259

- These estimates do not include:
 - Estimated administrative and implementation **costs (\$225,000)** over 3 years
 - Estimated state **incentives** to Ava (**\$300,00**) over 3 years which recoup all costs in some scenarios
- Key assumptions:
 - Ava staff participates in customer outreach to C&I customers
 - Customers do not shift load or increase consumption in response to low hourly prices

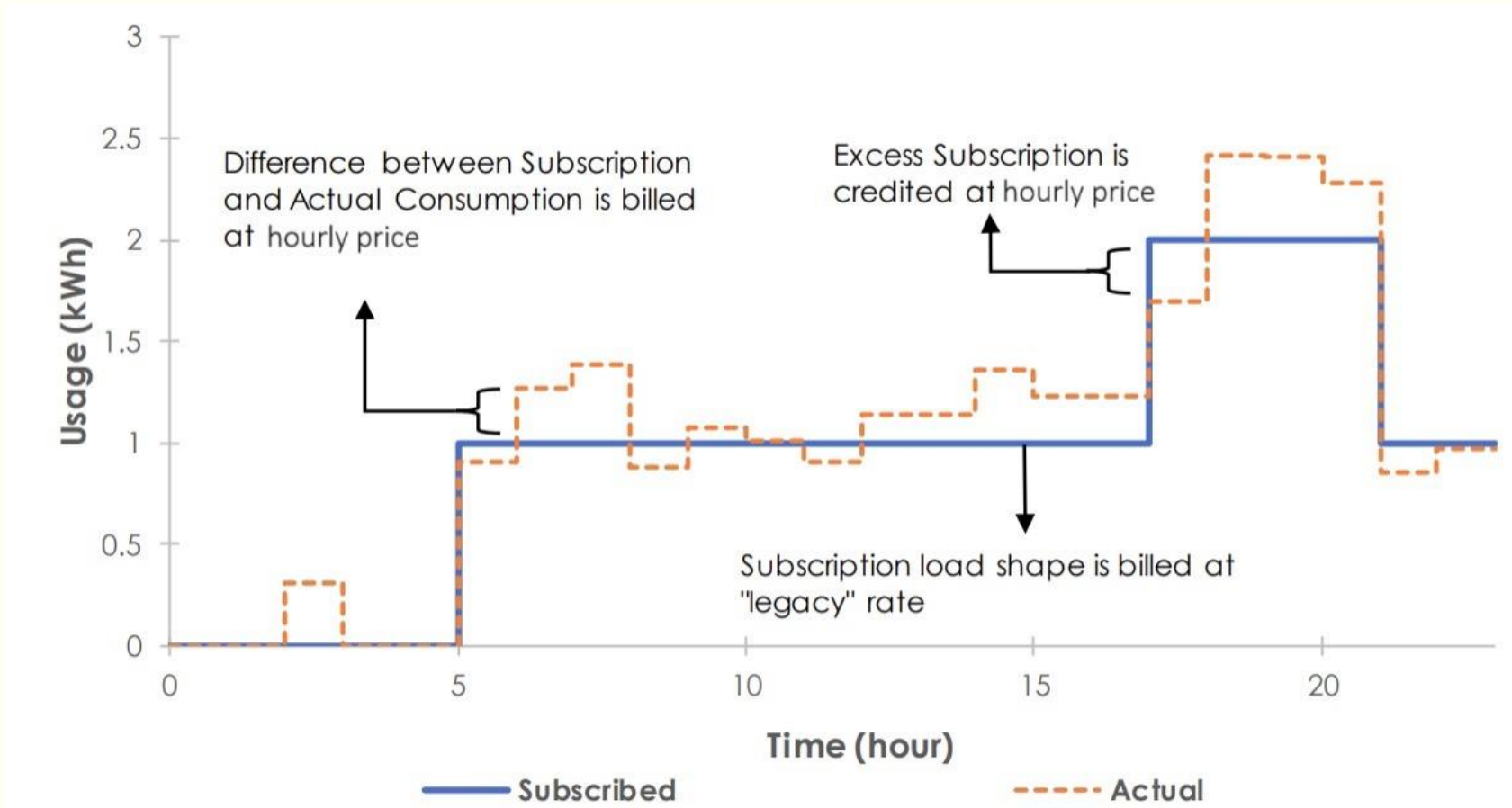
*Ava staff modeled residential customers and found minimal financial impacts, so the financial analysis focuses on large C&I customers

Appendix



Customer subscription and bill credits

Figure 1: customer subscription and bill credits



Analysis results without procurement savings

Projected maximum cost of bill credits over 3-year pilot period			
Peak load reduction	Low adoption	Medium adoption	High adoption
Non-res customer count	15	31	62
1%	\$ 16,924	\$ 33,847	\$ 67,694
5%	\$ 99,970	\$ 199,939	\$ 399,878
10%	\$ 273,687	\$ 547,375	\$ 1,094,749

- These estimates do not include:
 - Estimated administrative and implementation **costs (\$225,000)** over 3 years
 - Estimated state **incentives** to Ava (**\$300,00**) over 3 years which recoup all costs in some scenarios
 - Reduction in procurement costs due to customer load shifting
- Key assumptions:
 - Ava staff participates in customer outreach to C&I customers
 - Customers do not shift load or increase consumption in response to low hourly prices

RESOLUTION NO. R-2024-XX
A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE AVA COMMUNITY ENERGY AUTHORITY AUTHORIZING
PARTICIPATION IN THE PG&E HOURLY FLEX PRICING PILOTS

WHEREAS Ava Community Energy Authority (“Ava”) was formed as a community choice aggregation agency (“CCA”) on December 1, 2016, under the Joint Exercise of Powers Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Piedmont, Oakland, San Leandro, and Union City to study, promote, develop, conduct, operate, and manage energy-related climate change programs in all of the member jurisdictions. The cities of Newark and Pleasanton, located in Alameda County, along with the City of Tracy, located in San Joaquin County, were added as members of Ava and parties to the Joint Powers Agreement (“JPA”) in March of 2020. The city of Stockton was added as a member to Ava in September of 2022. The city of Lathrop was added as a member to Ava in October of 2023. San Joaquin County was added as a member to Ava in July 2024. On October 24, 2023, Ava legally adopted the name Ava Community Energy Authority, where it had previously used the name East Bay Community Energy Authority since its inception.

WHEREAS the California Energy Commission (“CEC”) Load Management Standards (“LMS”), require CCAs to offer customers voluntary participation in hourly marginal cost-based rates (“hourly rates”) by 2027, and

WHEREAS The LMS provide that a CCA may modify compliance with this requirement if implementing hourly rates is found not to be technologically feasible, equitable, safe, or cost-effective, and

WHEREAS Ava does not currently have sufficient information to conclude that proposing and implementing dynamic rates would be cost effective or provide benefits to Ava customers, because significant uncertainties exist related to the level of incremental load shift potential, customer response to market price risks, customer acceptance and adoption of a complex new rate design, the administrative costs of dynamic rate implementation, and potential cost shifts between participants and non-participants, and

WHEREAS Participating in the Vehicle to Grid Integration (“VGI”) and Expanded Pilots with Pacific Gas & Electric (“PG&E”) could inform Ava’s decision of whether to eventually adopt hourly rates and how to otherwise comply with the Load Management Standards.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF AVA COMMUNITY ENERGY AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Ava is authorized to participate in the VGI Pilots and Expanded Pilots in partnership with PG&E and offer customers the associated dynamic rates.

ADOPTED AND APPROVED this 18th day of September, 2024

Jack Balch, Chair

ATTEST:

Adrian Bankhead, Clerk of the Board



**CAC Item C7
Consent Item 9**

To:	Ava Community Energy Authority
From:	Heidy Ramirez, Local Programs Reporting Analyst
Subject:	Approving Resolutions to Award Two Community Investment Grants for Electric Vehicle Charging
Date:	September 18, 2024

Summary/Recommendation

Approve two Resolutions authorizing the CEO to negotiate and execute two (2) Grant Agreements each up to \$300,000 over three years, for the purposes of installing community-owned Electric Vehicle (“EV”) charging sites. Grants awarded to California Interfaith Power and Light (“CIPL”) and Green The Church (“GTC”).

Financial Impact

The two grants will be for up to \$300,000 each, for a total not-to-exceed amount of \$600,000 from the previously approved Local Development-Community Investment grant budget.

Analysis and Context

The Local Development Business Plan identified the opportunity for Ava, then EBCE, to create a Community Investment Fund as a multi-faceted grant program to accelerate innovative products, services, or programs.

Ava staff completed a community workshop in June of 2023 to solicit ideas for community grants that foster program enrollment, education and awareness and workforce development. One outcome of the workshop was the need to develop early career pathways into the clean energy sector.

Ava staff developed a Request for Proposals (“RFP”) for local organizations to install EV charging stations within the service territory. The RFP was issued in May and intent to award notifications were sent in August.

Respondents were asked to submit proposals to identify sites and install Level 2 EV chargers that will be available to the public along with maintenance plans to ensure that chargers will continue to be operable. The sites will provide the electricity for the charges and can decide how they choose to recover payment from customers that use the equipment. All sites are required to be in Ava service area and receive electricity service from Ava.

Ava received four proposals which were evaluated by staff using the following criteria:

- Organizational Capacity: Budget & History of Meeting Grant Deliverables (22.5%)
- Quality of Proposed Plan: Meeting Grant Program Goals (25%)
- Project Budget (20%)
- Demonstrated Capacity of Delivering: Local Community Benefits (20%)
- Ava Energy Special Procurement Preferences (12.5%)

The two proposals from California Interfaith Power and Light and Green the Church were very strong and serve different regions and constituencies within the Ava service territory. Considering the need for this important work and the current funding in the Community Investment Grant budget, staff recommends issuing two grants from this solicitation to the following organizations:

CA Interfaith Power and Light engages faith communities in climate action, focusing on sustainability and energy issues. They promote the adoption of EVs and help places of worship install EV charging stations, offering resources and support to reduce their carbon footprint. CIPL's work highlights the moral responsibility of faith communities to care for the environment.

CIPL has identified 16 potential church sites for EV chargers. This grant would deliver 12 chargers across 4 different sites.

Green The Church is a national initiative that empowers Black churches to lead in environmental and economic sustainability efforts within their communities. They focus on educating and mobilizing congregations to address climate justice issues, with a particular emphasis on renewable energy and sustainable practices. In partnership with other organizations, Green the Church promotes the installation of EV charging stations at churches, helping to increase access to clean transportation options in underserved areas while fostering environmental stewardship among faith communities.

Green The Church has identified 14 potential church sites for EV chargers. This grant would deliver 11 chargers across 3 different sites.

Attachments

- A. Resolution Awarding California Interfaith Power and Light an EV Charging Community Investment Grant
- B. Resolution Awarding Green The Church an EV Charging Community Investment Grant

RESOLUTION NO. R-2024-XX
A RESOLUTION OF THE BOARD OF DIRECTORS
OF AVA COMMUNITY ENERGY AUTHORITY
AWARDING CALIFORNIA INTERFAITH POWER AND LIGHT AN EV
CHARGING COMMUNITY INVESTMENT GRANT

WHEREAS Ava Community Energy Authority (“Ava”) was formed as a community choice aggregation agency (“CCA”) on December 1, 2016, under the Joint Exercise of Powers Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Piedmont, Oakland, San Leandro, and Union City to study, promote, develop, conduct, operate, and manage energy-related climate change programs in all of the member jurisdictions. The cities of Newark and Pleasanton, located in Alameda County, along with the City of Tracy, located in San Joaquin County, were added as members of Ava and parties to the Joint Powers Agreement (“JPA”) in March of 2020. The city of Stockton was added as a member to Ava in September of 2022. The city of Lathrop was added as a member to Ava in October of 2023. San Joaquin County was added as a member to Ava in July 2024. On October 24, 2023, Ava legally adopted the name Ava Community Energy Authority, where it had previously used the name East Bay Community Energy Authority since its inception.

WHEREAS The Ava Board has approved funding for Community Investment Grants for local Community Based Organizations working on local initiatives that support community development; and

WHEREAS Community Investment Grants are intended to re-invest Local Development funds and empower communities within Ava’s service area; and

WHEREAS Ava Community Energy issued a Request for Proposals (“RFP”) for projects that foster Electric Vehicle charging and received a strong, conforming proposal from California Interfaith Power and Light (“CIPL”) for the purposes of developing community-owned and operated Electric Vehicle (“EV”) charging sites, particularly in equity-priority communities. The grant aims to support the creation of level 2 EV chargers across three or more sites, encouraging local innovation, community engagement, and sustainable practices in the transition to electric mobility; and

WHEREAS Ava staff and California Interfaith Power and Light have agreed upon the major terms of the grant and are preparing a Grant Agreement for execution.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF AVA COMMUNITY ENERGY AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Authorizes the CEO, in coordination with Ava staff and General Counsel, to negotiate and execute a Grant Agreement and award for an EV Charging Community Investment Grant of up to \$300,000 over three years to CIPL.

ADOPTED AND APPROVED this 18th day of September 2024.

Jack Balch, Chair

ATTEST:

Adrian Bankhead, Clerk of the Board

RESOLUTION NO. R-2024-XX
A RESOLUTION OF THE BOARD OF DIRECTORS
OF AVA COMMUNITY ENERGY AUTHORITY
AWARDING GREEN THE CHURCH AN EV CHARGING COMMUNITY
INVESTMENT GRANT

WHEREAS Ava Community Energy Authority (“Ava”) was formed as a community choice aggregation agency (“CCA”) on December 1, 2016, under the Joint Exercise of Powers Act, California Government Code sections 6500 *et seq.*, among the County of Alameda, and the Cities of Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Piedmont, Oakland, San Leandro, and Union City to study, promote, develop, conduct, operate, and manage energy-related climate change programs in all of the member jurisdictions. The cities of Newark and Pleasanton, located in Alameda County, along with the City of Tracy, located in San Joaquin County, were added as members of Ava and parties to the Joint Powers Agreement (“JPA”) in March of 2020. The city of Stockton was added as a member to Ava in September of 2022. The city of Lathrop was added as a member to Ava in October of 2023. San Joaquin County was added as a member to Ava in July 2024. On October 24, 2023, Ava legally adopted the name Ava Community Energy Authority, where it had previously used the name East Bay Community Energy Authority since its inception.

WHEREAS The Ava Board has approved funding for Community Investment Grants for local Community Based Organizations working on local initiatives that support community development; and

WHEREAS Community Investment Grants are intended to re-invest Local Development funds and empower communities within Ava’s service area; and

WHEREAS Ava Community Energy issued a Request for Proposals (“RFP”) for projects that foster Electric Vehicle (“EV”) charging and received a strong, conforming proposal from Green the Church (“GTC”) for the purposes of developing community-owned and operated EV charging sites, particularly in equity-priority communities. The grant aims to support the creation of level 2 EV chargers across three or more sites, encouraging local innovation, community engagement, and sustainable practices in the transition to electric mobility; and

WHEREAS Ava staff and GTC have agreed upon the major terms of the grant and are preparing a Grant Agreement for execution.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF AVA COMMUNITY ENERGY AUTHORITY DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Authorizes the CEO, in coordination with Ava staff and General Counsel, to negotiate and execute a Grant Agreement and award for an EV Charging Community Investment Grant of up to \$300,000 over three years to GTC.

ADOPTED AND APPROVED this 18th day of September 2024.

Jack Balch, Chair

ATTEST:

Adrian Bankhead, Clerk of the Board

Dear Ava Community Energy Board and Community Advisory Committee members,

I respectfully submit this public comment to change the way we address energy prices.

In the past Ava staff and board members have had many discussions on keeping generation prices low. This has been identified many times as the key value proposition for Ava customers

I'm concerned that these discussions have been missing the point. Customer are concerned with total electricity bills, not the relative price between Ava and PG&E generation charges. Most of us do not distinguish between generation and distribution when we pay our electricity bills. And we have no way of comparing what our bills would have been if we were not Ava customers.

The total rates for electricity have been rising at an unprecedented speed for the past few years. This is primarily due delivery rate increases by PG&E. These have completely overwhelmed any savings customers see by getting generation Ava.

This increase in total rates is also making Ava member jurisdiction goals to reduce greenhouse gas emissions by promoting building electrification much harder to achieve without imposing additional cost burdens on Ava customers.

To investigate this in more detail I reviewed my very own household electricity bills for the last 10 years to examine at what's been happening. Please see the attached chart below.

The points on the plot show our total electricity rates, delivery rates and generation rates. These are effective rates. They were calculated by dividing the charges for delivery and generation in each of our bills by the number of kWh we used in that billing period. The total electricity rate is the sum of the generation and delivery rates.

Because of our enthusiasm for benefits of local generation of clean electricity we joined EBCE as soon as we could in 2018. Thus prior to July 2018 only total electricity rates are available.

There are still some missing data and probably some more quality assurance work I should do. The seasonal fluctuation in rates starting in 2021 is due to differing winter and summer rates and baselines. However there are enough data here to show clear and disturbing trends.

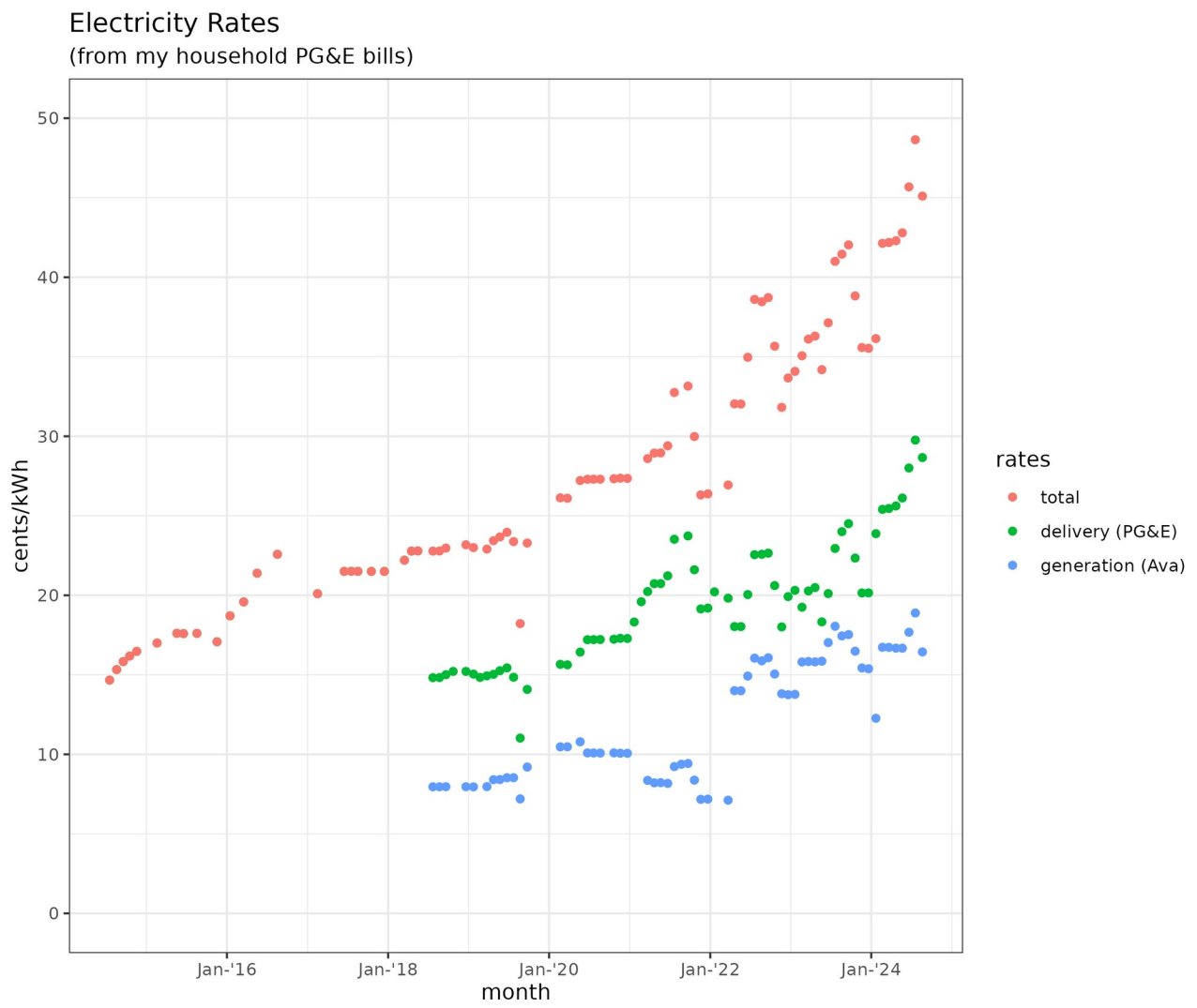
After we joined EBCE in 2018, our total electricity rates remained relatively constant until about 2020. After that the delivery rates started climbing dramatically. Because EBCE (now Ava) sets rates relative to PG&E rates, the generation rate increases generally lag PG&E's rate increases by about one year. In some of our bills for 2021 the charges for delivery were over two and a half times higher than the generation rates. With the latest PG&E rate increases delivery rates are once again approaching twice the generation rates.

Since we became Ava customers, our total electricity rates have doubled! This increase completely swamps any savings Ava was able to pass on by keeping its generation rates a few pennies below PG&E's generation rates. This is making a complete mockery of Ava's claimed "value proposition" of lower electricity rates.

As a concerned Ava customer and member of the Community Advisory Committee, I call upon the Ava's Board members to take concerted action to protect Ava customers from these outrageous price increases both within in their own jurisdictions and within Ava Community Energy in their directions to staff.

Sincerely,

Jim Lutz



Tally of "No on Ava Community Energy accepting Nuclear Energy" Petition organized by the Local Clean Energy Alliance

	Yes	No	Total		
Albany	0	3	3		
Berkeley	1	28	29		
Castro Valley	0	4	4		
Dublin	0	1	1		
Emeryville	0	1	1		
Fremont	0	9	9		
Hayward	0	2	2		
Livermore	0	3	3		
Lompoc	0	1	1		
Newark	0	1	1		
Oakland	0	36	36		
Piedmont	0	2	2		
San Francisco	0	1	1		
Union City	0	2	2		
	1	94	95		



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Mara Duncan (maraduncan@pacbell.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:59 PM

<kwautomail@phone2action.com>

Reply-To: Mara Duncan <maraduncan@pacbell.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

It is absurd to spend money on Nuclear energy, when we have not even found a safe place to store the radioactive waste we already have, and as importantly we could be using the money to expand alternative safe energy production. Now!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Mara Duncan
848 Solano Ave
Albany, CA 94706
maraduncan@pacbell.net
(510) 526-0073

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

LII F (msldill@yahoo.com) Sent You a Personal Message <kwautomail@phone2action.com>

Thu, Sep 5, 2024 at 1:29 PM

Reply-To: LII F <msldill@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

LII F
900 madison
Albany, CA 94706
msldill@yahoo.com
(510) 222-2255
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Lynn Quirolo (quirol5@earthlink.net) Sent You a Personal Message

Sat, Sep 7, 2024 at
3:04 PM

<kwautomail@phone2action.com>

Reply-To: Lynn Quirolo <quirol5@earthlink.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Keep our energy free of dirty nuclear energy that produces radioactive waste that lasts thousands of years. We need clean energy to keep the lights on. Where would the radioactive waste go anyway? No one wants it in their backyard.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Lynn Quirolo
1033 Pomona Ave
Albany, CA 94706
quirol5@earthlink.net
(510) 527-0709

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Mimi Abers (mimiabers2@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:54 PM

<kwautomail@phone2action.com>

Reply-To: Mimi Abers <mimiabers2@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Mimi Abers
1122 Oxford St
Berkeley, CA 94707
mimiabers2@gmail.com
(510) 525-6002
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Inger Acking (imamsw@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:57 PM

<kwautomail@phone2action.com>

Reply-To: Inger Acking <imamsw@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Inger Acking
851 Jones St
Berkeley, CA 94710
imamsw@yahoo.com
(510) 616-1374
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Stuart Ambler (kidledivydo-6@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
4:56 PM

<kwautomail@phone2action.com>

Reply-To: Stuart Ambler <kidledivydo-6@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Stuart Ambler
1335 Shattuck Ave
Berkeley, CA 94709
kidledivydo-6@yahoo.com
(720) 334-6720
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Traude Buckland (avenidacats@gmail.com) Sent You a Personal Message

Sat, Sep 7, 2024 at
11:58 PM

<kwautomail@phone2action.com>

Reply-To: Traude Buckland <avenidacats@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Did you know that the cost of keeping Diablo Canyon open has skyrocketed to over \$1 billion a year in losses? And can you guess who is forced to pay for it? We are! PGandE offloads these costs to all customers in their territory.

I urge you to vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Traude Buckland
155 Avenida Dr
Berkeley, CA 94708
avenidacats@gmail.com
(510) 540-5780

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Wendy Diamond (wendy@musichael.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:00 PM

<kwautomail@phone2action.com>

Reply-To: Wendy Diamond <wendy@musichael.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Wendy Diamond
523 Santa Barbara Rd
Berkeley, CA 94707
wendy@musichael.com
(510) 527-6617

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Antonia Frankhuijzen (antoniajoma@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:50 PM

<kwautomail@phone2action.com>

Reply-To: Antonia Frankhuijzen <antoniajoma@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Antonia Frankhuijzen
1161 Sutter St
Berkeley, CA 94707
antoniajoma@yahoo.com
(510) 604-5744

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Christine Goldin (cwgoldin@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
5:04 PM

<kwautomail@phone2action.com>

Reply-To: Christine Goldin <cwgoldin@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Christine Goldin
2543 Hilgard Ave
Berkeley, CA 94709
cwgoldin@gmail.com
(510) 847-0289

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ian Hart (ian@ianhartart.com) Sent You a Personal Message <kwautomail@phone2action.com> Thu, Sep 5, 2024 at 10:26 PM

Reply-To: Ian Hart <ian@ianhartart.com>
To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear energy has always been at best a disaster waiting to happen. At worst, it causes permanent (from a human point of view) local devastation. I believe everyone should refuse the devils bargain that is Diablo Canyon.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ian Hart
1614 Tyler St
Berkeley, CA 94703
ian@ianhartart.com
(347) 255-0525

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Carole Kalous (carolejk777@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
10:35 PM

<kwautomail@phone2action.com>

Reply-To: Carole Kalous <carolejk777@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Carole Kalous
2230 Durant Ave
Berkeley, CA 94704
carolejk777@gmail.com
(510) 548-0131
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Marjory Keenan (marjkeenan44@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
5:03 PM

<kwautomail@phone2action.com>

Reply-To: Marjory Keenan <marjkeenan44@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Marjory Keenan
1816 Vine St
Berkeley, CA 94703
marjkeenan44@gmail.com
(510) 525-2649
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Jacob Klein (jacob.klein@sierraclub.org) Sent You a Personal Message

Tue, Sep 3, 2024 at
10:33 AM

<kwautomail@phone2action.com>

Reply-To: Jacob Klein <jacob.klein@sierraclub.org>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Jacob Klein
PO Box 2663
Berkeley, CA 94702
jacob.klein@sierraclub.org
(510) 545-2273

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at member.care@sierraclub.org or (415) 977-5673.



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Karl Knobler (karl.knobler@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:00 PM

<kwautomail@phone2action.com>

Reply-To: Karl Knobler <karl.knobler@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Karl Knobler
1256 Monterey Ave
Berkeley, CA 94707
karl.knobler@gmail.com
(510) 524-3247

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Judy Maclean (judymac@igc.org) Sent You a Personal Message

Fri, Sep 6, 2024 at 11:32

<kwautomail@phone2action.com>

AM

Reply-To: Judy Maclean <judymac@igc.org>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I signed up for Ava Community Energy because it's a small way to help reverse the climate crisis. I didn't sign up to support nuclear energy, which can cause catastrophic meltdowns, and even without accidents, leads to highly toxic radioactive waste that lasts for centuries.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Judy Maclean
2610 Regent St Apt 201
Berkeley, CA 94704
judymac@igc.org
(510) 725-2209

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Howard Matis (hsmatis@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 1:31

<kwautomail@phone2action.com>

PM

Reply-To: Howard Matis <hsmatis@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

I support nuclear energy. It is the only way we can prevent global energy. Please ignore the ill-informed activists.

SUPPORT NUCLEAR

Howard Matis

The petition will not let me change the headers.

Sincerely,

Howard Matis
6824 Sherwick Dr
Berkeley, CA 94705
hsmatis@gmail.com
(510) 540-6718

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Cynthia Papermaster (cynthia_papermaster@yahoo.com) Sent You a Personal Message

Fri, Sep 6, 2024 at
1:16 AM

<kwautomail@phone2action.com>

Reply-To: Cynthia Papermaster <cynthia_papermaster@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear energy is NOT clean energy. Don't accept dirty nuclear from PGandE!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Cynthia Papermaster
1907 McGee Ave
Berkeley, CA 94703
cynthia_papermaster@yahoo.com
(510) 365-1500

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Janice Pardoe (jrp44074@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:26 PM

<kwautomail@phone2action.com>

Reply-To: Janice Pardoe <jrp44074@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear power has always had great potential, but lack of waste disposal options and safety oversight mean that it just doesn't work out.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 and voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Janice Pardoe
2230 Woolsey St
Berkeley, CA 94705
jrp44074@gmail.com
(510) 555-0100

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

David Payne (payne@monmouth.edu) Sent You a Personal Message

Sat, Sep 7, 2024 at
10:38 PM

<kwautomail@phone2action.com>

Reply-To: David Payne <payne@monmouth.edu>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear energy is dirty energy. We must focus on renewables.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

David Payne
2628 Telegraph Ave Apt 202
Berkeley, CA 94704
payne@monmouth.edu
(732) 483-0132

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Anne Richards (tannerichards@aol.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 5:54 PM

<kwautomail@phone2action.com>

Reply-To: Anne Richards <tannerichards@aol.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

There are other less dangerous ways to go about this. No to Nuclear please!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Anne Richards
1529 Acton St
Berkeley, CA 94702
tannerichards@aol.com
(510) 558-1638

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Carol Rothmao (carolrothman@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:12 PM

<kwautomail@phone2action.com>

Reply-To: Carol Rothmao <carolrothman@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I have so far chosen not to get solar panels because I thought I could get Green energy from ACE. Nuclear is not Green!!!!!!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Carol Rothmao
1539 Parker St
Berkeley, CA 94703
carolrothman@gmail.com
(510) 684-1931

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Peter Schorer (peteschorer@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:48 PM

<kwautomail@phone2action.com>

Reply-To: Peter Schorer <peteschorer@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

No goddamn nuclear energy in the East Bay. -- Peter Schorer

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Peter Schorer
2538 Milvia St
Berkeley, CA 94704
peteschorer@gmail.com
(510) 548-3827

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

David Sherertz (ddsherertz@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:53 PM

<kwautomail@phone2action.com>

Reply-To: David Sherertz <ddsherertz@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear power is a neverending bad idea!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

David Sherertz
2236 Grant St
Berkeley, CA 94703
ddsherertz@gmail.com
(510) 520-5228

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Anne Smith (charanne80@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:47 PM

<kwautomail@phone2action.com>

Reply-To: Anne Smith <charanne80@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Please do not put me and the health of all the people you serve at risk because you are more interested in making money.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Thank you!!

Anne Smith

Sincerely,

Anne Smith
37 San Mateo Rd
Berkeley, CA 94707
charanne80@gmail.com
(510) 207-8364

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Anne Smith (charanne80@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:47 PM

<kwautomail@phone2action.com>

Reply-To: Anne Smith <charanne80@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Please do not put me and the health of all the people you serve at risk because you are more interested in making money.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Thank you!!

Anne Smith

Sincerely,

Anne Smith
37 San Mateo Rd
Berkeley, CA 94707
charanne80@gmail.com
(510) 207-8364

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Debbie Tenenbaum (debbietenbaum@aol.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
3:16 PM

<kwautomail@phone2action.com>

Reply-To: Debbie Tenenbaum <debbietenbaum@aol.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Debbie Tenenbaum
1639 Grant St
Berkeley, CA 94703
debbietenbaum@aol.com
(510) 843-3816
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Vance Vaughan (vance@berkeley.edu) Sent You a Personal Message

Thu, Sep 5, 2024 at
4:43 PM

<kwautomail@phone2action.com>

Reply-To: Vance Vaughan <vance@berkeley.edu>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Vance Vaughan
1721 Hopkins St
Berkeley, CA 94707
vance@berkeley.edu
(510) 527-4354

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ana Vertel (anavertel@hotmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:12 PM

<kwautomail@phone2action.com>

Reply-To: Ana Vertel <anavertel@hotmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ana Vertel
1176 Spruce St
Berkeley, CA 94707
anavertel@hotmail.com
(510) 912-1985
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Jonathan Weinstock (jstock522@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
9:07 PM

<kwautomail@phone2action.com>

Reply-To: Jonathan Weinstock <jstock522@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Jonathan Weinstock
2208 7th St
Berkeley, CA 94710
jstock522@yahoo.com
(415) 595-0222
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Vivian Zelaya (zelaya9@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
7:27 PM

<kwautomail@phone2action.com>

Reply-To: Vivian Zelaya <zelaya9@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Vivian Zelaya
2021B Lincoln St
Berkeley, CA 94709
zelaya9@gmail.com
(510) 845-4740

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Morissa Zuckerman (morissa.zuckerman@sierraclub.org) Sent You a Personal Message

Thu, Sep 5, 2024 at 4:43 PM

<kwautomail@phone2action.com>

Reply-To: Morissa Zuckerman <morissa.zuckerman@sierraclub.org>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear power is not renewable or safe, and is not the way towards a sustainable and just future. Please keep nuclear out of renewable energy tiers.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Morissa Zuckerman
2127 Woolsey St
Berkeley, CA 94705
morissa.zuckerman@sierraclub.org
(510) 282-7057

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Sue Hall (otterone77@aol.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 6:46 PM

<kwautomail@phone2action.com>

Reply-To: Sue Hall <otterone77@aol.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Sue Hall
4800 Sorani Way
Castro Valley, CA 94546
otterone77@aol.com
(209) 477-2536

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Saundra Hodges (saunhodes@gmail.com) Sent You a Personal Message

Sat, Sep 7, 2024 at
11:42 PM

<kwautomail@phone2action.com>

Reply-To: Saundra Hodges <saunhodes@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear energy is NOT clean energy. It is fraught with possible problems that could release highly dangerous contaminants that could lasting consequences. That is not what I signed up for when I selected clean energy when I had that opportunity. Including nuclear energy inappropriately in that selection would cause me to reject it going forward.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Saundra Hodges
4212 Omega Ave
Castro Valley, CA 94546
saunhodes@gmail.com
(510) 889-8132

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Reina Robinson (tisreina@gmail.com) Sent You a Personal Message

Fri, Sep 6, 2024 at
3:18 PM

<kwautomail@phone2action.com>

Reply-To: Reina Robinson <tisreina@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Reina Robinson
18583 Carlton Ave
Castro Valley, CA 94546
tisreina@gmail.com
(510) 506-6713

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Robert Russell (rruss@rruss.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:35 PM

<kwautomail@phone2action.com>

Reply-To: Robert Russell <rruss@rruss.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Robert Russell
6689 Crestwood Dr
Castro Valley, CA 94552
rruss@rruss.com
(415) 407-0646
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Mohan Sakhrani (mssakhrani@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:44 PM

<kwautomail@phone2action.com>

Reply-To: Mohan Sakhrani <mssakhrani@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Mohan Sakhrani
4072 St Helena Way
Dublin, CA 94568
mssakhrani@gmail.com
(510) 995-0597

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Jonathan Loran (jonloran@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:26 PM

<kwautomail@phone2action.com>

Reply-To: Jonathan Loran <jonloran@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Jonathan Loran
24 City Limits Cir
Emeryville, CA 94608
jonloran@yahoo.com
(510) 558-1317

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Taoching Chi (taochiungchi@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:05 PM

<kwautomail@phone2action.com>

Reply-To: Taoching Chi <taochiungchi@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Taoching Chi
40859 Calido Pl
Fremont, CA 94539
taochiungchi@yahoo.com
(510) 770-9358
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Lacey Hicks (laceyhicks@hotmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:52 PM

<kwautomail@phone2action.com>

Reply-To: Lacey Hicks <laceyhicks@hotmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Lacey Hicks
4463 Hyde Cmn Unit 218
Fremont, CA 94538
laceyhicks@hotmail.com
(619) 410-8181

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Carin High (cccrhigh@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
5:03 PM

<kwautomail@phone2action.com>

Reply-To: Carin High <cccrhigh@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

The environmental consequences of dealing with nuclear radioactive waste, the potential for leaks, security issues, and the reality that we live in an active earthquake zone, should all lead to the decision that this does not make sense for our communities - a "no" vote against development of a nuclear power plant. There is no such think as "clean nuclear energy" and will not be until there is a way to safely deal with the nuclear radioactive waste generated by such plants.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Carin High
38536 Logan Dr
Fremont, CA 94536
cccrhigh@yahoo.com
(510) 378-2120

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Gina Jager (ginacjager@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:57 PM

<kwautomail@phone2action.com>

Reply-To: Gina Jager <ginacjager@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Gina Jager
4247 Bora Bora Ave
Fremont, CA 94538
ginacjager@gmail.com
(510) 683-9142

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Janet Klein (jlklein432@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
3:56 PM

<kwautomail@phone2action.com>

Reply-To: Janet Klein <jlklein432@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Janet Klein
39684 Lahana Way
Fremont, CA 94538
jlklein432@gmail.com
(510) 684-5379

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ray Lorenson (bluefin28@aol.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:52 PM

<kwautomail@phone2action.com>

Reply-To: Ray Lorenson <bluefin28@aol.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ray Lorenson
4100 Oroville Ct
Fremont, CA 94555
bluefin28@aol.com
(510) 797-0000
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Greg Piligian (gppiligian@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 10:48 PM

<kwautomail@phone2action.com>

Reply-To: Greg Piligian <gppiligian@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

We have been using Ava from the time it became available as an alternative. We did that because we believe in Ava's mission. I believe that including nuclear in Bright Choice is going against that mission. Please do not go in this direction.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Greg Piligian
4582 Northdale Dr
Fremont, CA 94536
gppiligian@gmail.com
(408) 506-2176

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Stephanie Rouse (bug54@sbcglobal.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:37 PM

<kwautomail@phone2action.com>

Reply-To: Stephanie Rouse <bug54@sbcglobal.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Surely we can utilize safer renewable energy sources!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Stephanie Rouse
40326 Grimmer Blvd
Fremont, CA 94538
bug54@sbcglobal.net
(510) 651-5352

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Christopher Ware (cmdubb@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:55 PM

<kwautomail@phone2action.com>

Reply-To: Christopher Ware <cmdubb@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Christopher Ware
45746 Bridgeport Dr
Fremont, CA 94539
cmdubb@yahoo.com
(510) 996-2324

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

H GRAY (hgrayiv@duck.com) Sent You a Personal Message <kwautomail@phone2action.com> Thu, Sep 5, 2024 at 12:45 PM

Reply-To: H GRAY <hgrayiv@duck.com>
To: abankhead@avaenergy.org

Dear Adrian Bankhead,

RADIATION KILLS GENERATIONS.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

H GRAY
22568 Mission Blvd
Hayward, CA 94541
hgrayiv@duck.com
(777) 777-7777

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Mike Hoffman (hoffmiester@comcast.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:23 PM

<kwautomail@phone2action.com>

Reply-To: Mike Hoffman <hoffmiester@comcast.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I look to Ava as a source of clean energy. Please do not add Nuclear Energy..

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Mike Hoffman
522 Corrine St
Hayward, CA 94544
hoffmiester@comcast.net
(510) 610-8679

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Paula Cavagnaro (cavagnaropaula@yahoo.com) Sent You a Personal Message

Sat, Sep 7, 2024 at
3:39 PM

<kwautomail@phone2action.com>

Reply-To: Paula Cavagnaro <cavagnaropaula@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Paula Cavagnaro
4087 Stanford Way
Livermore, CA 94550
cavagnaropaula@yahoo.com
(925) 245-9430

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Sally Marone (sallymarone@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:24 PM

<kwautomail@phone2action.com>

Reply-To: Sally Marone <sallymarone@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Sally Marone
844 S H St
Livermore, CA 94550
sallymarone@gmail.com
(925) 292-5497
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Sarah Mattern (hello@sarahmattern.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
4:01 PM

<kwautomail@phone2action.com>

Reply-To: Sarah Mattern <hello@sarahmattern.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Sarah Mattern
746 Dana Cir
Livermore, CA 94550
hello@sarahmattern.com
(925) 321-1603
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Hod Gray (bosshod@mac.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 1:31 PM

<kwautomail@phone2action.com>

Reply-To: Hod Gray <bosshod@mac.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Hod Gray
1000 e maple ave
Lompoc, CA 93436
bosshod@mac.com
(805) 698-4143
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Maureen Fry (msfryohio@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
3:08 PM

<kwautomail@phone2action.com>

Reply-To: Maureen Fry <msfryohio@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Maureen Fry
5042 Chelsea Dr
Newark, CA 94560
msfryohio@gmail.com
(937) 750-4494
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Carrie Austin (carrieaustin123@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:57 PM

<kwautomail@phone2action.com>

Reply-To: Carrie Austin <carrieaustin123@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I'm a CA licensed civil engineer who practices environmental engineering. Nuclear waste lasts longer than any human civilization. Also, accidents happen, and nuclear accidents have a high chance of bring widespread.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Carrie Austin
1111 El Centro Ave
Oakland, CA 94602
carrieaustin123@gmail.com
(510) 967-1163

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

William Balderston (bbalderston@earthlink.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:14 PM

<kwautomail@phone2action.com>

Reply-To: William Balderston <bbalderston@earthlink.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

William Balderston
2321 Humboldt Ave
Oakland, CA 94601
bbalderston@earthlink.net
(510) 866-9278
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Lorenzo Bavoso (bavoso@att.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:35 PM

<kwautomail@phone2action.com>

Reply-To: Lorenzo Bavoso <bavoso@att.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Lorenzo Bavoso
6227 Virgo Rd
Oakland, CA 94611
bavoso@att.net
(510) 541-2762
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

James Bettencourt (jjbetten@gmail.com) Sent You a Personal Message

Fri, Sep 6, 2024 at
2:12 AM

<kwautomail@phone2action.com>

Reply-To: James Bettencourt <jjbetten@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

NO, NO, NO! We won't cover PGandE's costs not here and not in San Diego! Clean Energy is NOT nuclear!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

James Bettencourt
500 Vernon St Apt 310
Oakland, CA 94610
jjbetten@gmail.com
(510) 653-8343

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Amity Buxton (amitypb@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:12 PM

<kwautomail@phone2action.com>

Reply-To: Amity Buxton <amitypb@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Amity Buxton
33 Linda Ave Apt 2504
Oakland, CA 94611
amitypb@gmail.com
(415) 632-8593

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Sylvia Chi (sylviachi@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:37 PM

<kwautomail@phone2action.com>

Reply-To: Sylvia Chi <sylviachi@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Sylvia Chi
936 46th St
Oakland, CA 94608
sylviachi@gmail.com
(860) 803-0649
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ester Deel (intoucan@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:32 PM

<kwautomail@phone2action.com>

Reply-To: Ester Deel <intoucan@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ester Deel
2362 109th Ave
Oakland, CA 94603
intoucan@yahoo.com
(510) 568-6686
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Maura Fitzgerald (fitzms57@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 4:47 PM

<kwautomail@phone2action.com>

Reply-To: Maura Fitzgerald <fitzms57@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

PLEASE SAY ?NO? to NUCLEAR ENERGY

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Maura Fitzgerald
1412 Barrows Rd
Oakland, CA 94610
fitzms57@gmail.com
(510) 913-0925

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Kenneth Gibson (kennethgibson@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:49 PM

<kwautomail@phone2action.com>

Reply-To: Kenneth Gibson <kennethgibson@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Never accept nuclear power! The uranium fuel cycle is more hazardous than the carbon fuel cycle and probably of longer hazardous duration. Nuclear power plants are also a ready target should there be a time of war involving our shores. "Diablo Canyon" is aptly named. We must try to let it sleep forever.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Kenneth Gibson
5090 Kearney Ave
Oakland, CA 94602
kennethgibson@gmail.com
(510) 555-4321

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Scott Grinthal (sgrinthal@yahoo.com) Sent You a Personal Message

Sat, Sep 7, 2024 at
1:04 PM

<kwautomail@phone2action.com>

Reply-To: Scott Grinthal <sgrinthal@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Scott Grinthal
2721 55th Ave
Oakland, CA 94605
sgrinthal@yahoo.com
(650) 578-9704

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at member.care@sierraclub.org or (415) 977-5673.



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Nancy Havassy (n.havassy@att.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:34 PM

<kwautomail@phone2action.com>

Reply-To: Nancy Havassy <n.havassy@att.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Nancy Havassy
5940 Thornhill Dr
Oakland, CA 94611
n.havassy@att.net
(510) 339-3043

This message was sent by KnowWho, as a service provider, on behalf of an individual associated with Sierra Club. If you need more information, please contact Member Care at Sierra Club at member.care@sierraclub.org or (415) 977-5673.



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Brad Hoover (bradley.hoover@dnv.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:56 PM

<kwautomail@phone2action.com>

Reply-To: Brad Hoover <bradley.hoover@dnv.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I am opposed to spending any additional funds on Nuclear Energy. We need other solutions.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Brad Hoover
155 Grand Ave Ste 500
Oakland, CA 94612
bradley.hoover@dnv.com
(510) 229-9312

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Carole Howard (cqhoward@sonic.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
5:59 PM

<kwautomail@phone2action.com>

Reply-To: Carole Howard <cqhoward@sonic.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Please stick with safer, cheaper renewable energy sources. Nuclear energy still has too many problems.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Carole Howard
6415 Regent St
Oakland, CA 94618
cqhoward@sonic.net
(510) 555-5555

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Spencer Koffman (spencer2022@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:24 PM

<kwautomail@phone2action.com>

Reply-To: Spencer Koffman <spencer2022@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Spencer Koffman
2050 Manzanita Dr
Oakland, CA 94611
spencer2022@gmail.com
(510) 338-0201
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Belinda Kremer (belindakremer@mac.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:50 PM

<kwautomail@phone2action.com>

Reply-To: Belinda Kremer <belindakremer@mac.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Please do not further burden the East Bay, which already carries more than its fair share of pollutants ? and don?t stick us with unwanted nuclear just be:c we are less powerful than the wealthy, ultra-privileged powerful NIMBY neighborhoods and cities around us .

More importantly: PLEASE NO NUCLEAR AT ALL!! It shouldn?t just be not us ? it shouldn?t be the power source. Period. Solar and wind ? YES. Nuclear: NO!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Belinda Kremer
2886 Georgia St
Oakland, CA 94602
belindakremer@mac.com
(347) 446-1815

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Amaury Kruggel-Diazandi (amaury@thewatershedproject.org) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:00 PM

<kwautomail@phone2action.com>

Reply-To: Amaury Kruggel-Diazandi <amaury@thewatershedproject.org>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Amaury Kruggel-Diazandi
838 22nd St
Oakland, CA 94607
amaury@thewatershedproject.org
(510) 812-7355
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Tom Kunhardt (tt101@mac.com) Sent You a Personal Message

Thu, Sep 5, 2024 at 2:16 PM

<kwautomail@phone2action.com>

Reply-To: Tom Kunhardt <tt101@mac.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I don?t want fossil fuels in my city!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Tom Kunhardt
2506 Delmer St
Oakland, CA 94602
tt101@mac.com
(510) 866-2407

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Jonas Lamattery-Brownell (jlamabrow@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:48 PM

<kwautomail@phone2action.com>

Reply-To: Jonas Lamattery-Brownell <jlamabrow@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

I helped stop the Ward Valley Nuke Waste Dump proposal because there was no safe way then to dump nuclear waste. There still is no safe way to conduct nuclear power. That's why we must do better, and turn to the proven, clean green energy sources?not nukes.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Jonas Lamattery-Brownell
Po Box 10761
Oakland, CA 94610
jlamabrow@gmail.com
(510) 435-7966

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Paulette Langguth (pl2gs@sbcglobal.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:23 PM

<kwautomail@phone2action.com>

Reply-To: Paulette Langguth <pl2gs@sbcglobal.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Paulette Langguth
3 Captains Cv
Oakland, CA 94618
pl2gs@sbcglobal.net
(510) 549-9081

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Judith Levin (judithlevin2006@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
3:44 PM

<kwautomail@phone2action.com>

Reply-To: Judith Levin <judithlevin2006@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Judith Levin
4609 Dolores Ave
Oakland, CA 94602
judithlevin2006@yahoo.com
(510) 697-3947

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Tim Little (tim.little100@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
5:04 PM

<kwautomail@phone2action.com>

Reply-To: Tim Little <tim.little100@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Tim Little
201 4th St Apt 102
Oakland, CA 94607
tim.little100@yahoo.com
(510) 658-2929

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Marina Marcroft (marinamarcroft@msn.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:30 PM

<kwautomail@phone2action.com>

Reply-To: Marina Marcroft <marinamarcroft@msn.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Marina Marcroft
3352 Victor Ave
Oakland, CA 94602
marinamarcroft@msn.com
(801) 661-5942
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Edward Mechem (ed@mechem.org) Sent You a Personal Message

Thu, Sep 5, 2024 at
7:02 PM

<kwautomail@phone2action.com>

Reply-To: Edward Mechem <ed@mechem.org>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Edward Mechem
217 John St
Oakland, CA 94611
ed@mechem.org
(510) 652-2694

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Vasu Murti (vasumurti@netscape.net) Sent You a Personal MessageThu, Sep 5, 2024 at
5:13 PM

<kwautomail@phone2action.com>

Reply-To: Vasu Murti <vasumurti@netscape.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

The Democratic Party platform should support: Animal Rights, Defending the Affordable Care Act, Ending Citizens United, Ending Marijuana Prohibition, Giving Greater Visibility to Pro-Life Democrats, Gun Control, Net Neutrality, Raising the Minimum Wage to \$15 an Hour, Responding to the Scientific Consensus on Global Warming, and a Sustainable Energy Policy. Democrats for Life of America, 10521 Judicial Drive, #200, Fairfax, VA 22030, (703) 424-6663

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Vasu Murti
30 Villanova Ln
Oakland, CA 94611
vasumurti@netscape.net
(510) 339-8155

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Carolyn Norr (carolynclara@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
4:11 PM

<kwautomail@phone2action.com>

Reply-To: Carolyn Norr <carolynclara@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

As the mom of three kids, I am certain there is no place her for nuclear energy. We deserve real clean energy!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Carolyn Norr
2725 26th Ave
Oakland, CA 94601
carolynclara@gmail.com
(510) 220-5707

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Miriam Pinchuk (mirorrrup@yahoo.co.uk) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:47 PM

<kwautomail@phone2action.com>

Reply-To: Miriam Pinchuk <mirorrrup@yahoo.co.uk>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

It is absolutely unconscionable for Ava to be considering nuclear power, a dirty energy source that brings with it long-term problems. If Ava goes ahead with this plan it is unclear what the difference will be between Ava and PGandE. I will likely cancel my agreement with Ava.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Miriam Pinchuk
300 Olive Ave
Oakland, CA 94611
mirorrrup@yahoo.co.uk
(510) 999-9999

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ann Pinkerton (annp23@att.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:36 PM

<kwautomail@phone2action.com>

Reply-To: Ann Pinkerton <annp23@att.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ann Pinkerton
5467 Lawton Ave
Oakland, CA 94618
annp23@att.net
(510) 654-6436
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Wally Ransom (gayleransom@sbcglobal.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:43 PM

<kwautomail@phone2action.com>

Reply-To: Wally Ransom <gayleransom@sbcglobal.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Wally Ransom
3974 oakmore rd
oakland, CA 94602
gayleransom@sbcglobal.net
(510) 967-2178

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Lucymarie Ruth (lucymarieruth@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
3:29 PM

<kwautomail@phone2action.com>

Reply-To: Lucymarie Ruth <lucymarieruth@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Lucymarie Ruth
3761 Park Boulevard Way Apt 301
Oakland, CA 94610
lucymarieruth@gmail.com
(510) 842-3399

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Linda Smith (lindabreauxsmith@yahoo.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:52 PM

<kwautomail@phone2action.com>

Reply-To: Linda Smith <lindabreauxsmith@yahoo.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Linda Smith
3045 56th Ave
Oakland, CA 94605
lindabreauxsmith@yahoo.com
(510) 568-6808

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Roberta Stern (rozydeco50@hotmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:30 PM

<kwautomail@phone2action.com>

Reply-To: Roberta Stern <rozydeco50@hotmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Roberta Stern
5665 Ocean View Dr
Oakland, CA 94618
rozydeco50@hotmail.com
(510) 655-6221
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Hale' Tokay (haletokay@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:55 PM

<kwautomail@phone2action.com>

Reply-To: Hale' Tokay <haletokay@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Hale' Tokay
3160 Wisconsin St
Oakland, CA 94602
haletokay@gmail.com
(415) 222-2367

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Amy Voge (amy.lu.voge@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
6:20 PM

<kwautomail@phone2action.com>

Reply-To: Amy Voge <amy.lu.voge@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Amy Voge
2945 California St
Oakland, CA 94602
amy.lu.voge@gmail.com
(510) 530-1542
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Liana Warren (liana.warren@sierraclub.org) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:35 PM

<kwautomail@phone2action.com>

Reply-To: Liana Warren <liana.warren@sierraclub.org>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Nuclear energy is dangerous! Don't bring it to our communities!

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Liana Warren
11 Warren Ave Apt 8
Oakland, CA 94611
liana.warren@sierraclub.org
(209) 918-9813

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ramona Wilkerson (wilker2son@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
1:36 PM

<kwautomail@phone2action.com>

Reply-To: Ramona Wilkerson <wilker2son@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ramona Wilkerson
PO Box 29534
Oakland, CA 94604
wilker2son@gmail.com
(510) 534-0519
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Matt Williams (mwillia@mac.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:34 PM

<kwautomail@phone2action.com>

Reply-To: Matt Williams <mwillia@mac.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Matt Williams
4140 Oakmore Rd
Oakland, CA 94602
mwillia@mac.com
(510) 326-6893
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Abram Blackwood (abramdb@me.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
2:32 PM

<kwautomail@phone2action.com>

Reply-To: Abram Blackwood <abramdb@me.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Abram Blackwood
215 Greenbank Ave
Piedmont, CA 94611
abramdb@me.com
(510) 747-9022

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Marianne Mitosinka (georgewick@aol.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:38 PM

<kwautomail@phone2action.com>

Reply-To: Marianne Mitosinka <georgewick@aol.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Marianne Mitosinka
250 Sheridan Ave
Piedmont, CA 94611
georgewick@aol.com
(510) 601-9236
[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ttriss Williams Renard (christinawilliams333@gmail.com) Sent You a Personal Message

Thu, Sep 5, 2024 at
12:43 PM

<kwautomail@phone2action.com>

Reply-To: Ttriss Williams Renard <christinawilliams333@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Please do the right thing - consider Bay Area kids? futures and do not continue to move forward energy initiatives at the expense of low income communities and communities of colour in particular.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ttriss Williams Renard
2223 19th Ave
San Francisco, CA 94704
christinawilliams333@gmail.com
(510) 412-0327

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Isaac Ramirez (isaac2022rr@gmail.com) Sent You a Personal Message

Fri, Sep 6, 2024 at
4:45 PM

<kwautomail@phone2action.com>

Reply-To: Isaac Ramirez <isaac2022rr@gmail.com>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

We need climate action that focuses on clean renewable energy including local energy investments, that will help with our transition to renewable energy sources we do not need nuclear power because we have more sustainable solutions that are much more efficient and cleaner, please reject the nuclear option as it only seeks to distract and undermine our transition.

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Isaac Ramirez
2445 Cameron Dr
Union City, CA 94587
isaac2022rr@gmail.com
(510) 754-2523

[Quoted text hidden]



Adrian Bankhead <abankhead@avaenergy.org>

No on Ava Community Energy accepting Nuclear Energy

Ernest Walters (ernwalt@comcast.net) Sent You a Personal Message

Thu, Sep 5, 2024 at
8:52 PM

<kwautomail@phone2action.com>

Reply-To: Ernest Walters <ernwalt@comcast.net>

To: abankhead@avaenergy.org

Dear Adrian Bankhead,

Dear Ava Community Energy Board Members, Community Advisory Committee + Alternates,

Ava Community Energy (formerly East Bay Community Energy - EBCE) has promised us the power to choose cleaner energy and local investments. Nuclear energy is a distraction and disinvestment from true renewable energy. We urge you to take action by upholding the decision from April 2020 by voting against accepting PGandE's Diablo Canyon nuclear energy in Ava Community Energy.

Vote for "Scenario 0 ? Do not accept nuclear!"

Sincerely,

Ernest Walters
2437 Tartarian Way
Union City, CA 94587
ernwalt@comcast.net
(510) 579-2851

[Quoted text hidden]