



ASSOCIATION PUBLICLY OWNED  
OF BAY AREA ENERGY  
GOVERNMENTS RESOURCES

Bay Area Metro Center  
375 Beale Street, Suite 700  
San Francisco, CA 94105  
415.820.7900  
www.abag.ca.gov

*Angela Walton, Chair*  
City of Richmond

*Doug Williams, Vice Chair*  
City of Santa Rosa

*Andre Duurvoort*  
City of Cupertino

*Diana Oyler*  
Contra Costa County

*Chris Schroeder*  
City of Milpitas

## **CALL AND NOTICE OF SPECIAL EXECUTIVE COMMITTEE MEETING**

Thursday, July 21, 2022, 11:00 a.m.

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
REMOTE

**The ABAG POWER Executive Committee is scheduled to meet on Thursday, July 21, 2022, at 11:00 a.m. in the Bay Area Metro Center (Remotely). In light of Governor Newsom's State of Emergency declaration regarding COVID-19 and in accordance with Assembly Bill 361 allowing remote meetings, this meeting will be accessible via webcast, teleconference, and Zoom for all participants.**

**The meeting webcast will be available at  
<https://abag.ca.gov/meetings>.**

**Members of the public are encouraged to participate remotely via Zoom at the following link or phone number.**

**Attendee Link:** <https://bayareametro.zoom.us/j/84096088718>

**iPhone One-tap:** US: +13462487799,,81312282042# or +12532158782,,81312282042#

**Join by Telephone:** (for higher quality, dial a number based on your current location):

US: +1 346 248 7799 or +1 253 215 8782 or +1 408 638 0968 or +1 669 900 6833 or +1 301 715 8592 or +1 312 626 6799 or +1 646 876 9923 or 877 853 5247 (Toll Free) or 888 788 0099 (Toll Free) or 833 548 0276 (Toll Free) or 833 548 0282 (Toll Free)

**Webinar ID:** 840 9608 8718

International numbers available: <https://bayareametro.zoom.us/j/84096088718>

**Detailed instructions on participating via Zoom are available at:**

**<https://abag.ca.gov/zoom-information>. Committee members**

**and members of the public participating by Zoom wishing to speak should use the "raise hand"**

**feature or dial "\*9". In order to get the full Zoom experience, please make sure your application is up to date.**

**Members of the public may participate by phone or Zoom or may submit comments by email at [info@bayareametro.gov](mailto:info@bayareametro.gov) by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name in the subject line. Due to the current circumstances there may be limited opportunity to address comments during the meeting. All comments received will be submitted into the record.**


**ABAG POWER Executive Committee Roster**  
**Angela Walton, Chair**  
**Doug Williams, Vice Chair**  
**Andre Duurvoort, Diana Oyler, Chris Schroeder**

As Chair of the ABAG POWER Executive Committee, I am calling a Special Executive Committee meeting for Thursday, July 21, 2022 at 11:00 a.m., in the Bay Area Metro Center (Remotely). The business to be transacted will include:

- 1) Welcome and Introductions
- 2) Public Comment
- 3) Consent Calendar:
  - a. Approval of ABAG POWER Resolution No. 22-07 Assembly Bill 361 (Rivas) Remote Meetings.
- 4) California's Net Energy Metering (NEM) Program
- 5) Other Business
- 6) Adjournment

Members of the public shall be provided an opportunity to directly address the Committee concerning any item described in this notice, before or during consideration of that item. An agenda will be posted and distributed for this meeting by Metropolitan Transportation Commission (MTC) staff in the normal course.

DocuSigned by:



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Angela Walton

July 13, 2022



375 Beale Street  
Suite 700  
San Francisco, California

## Meeting Agenda - Final

### ABAG POWER Executive Committee

*Chair, Angela Walton, City of Richmond*  
*Vice Chair, Doug Williams, City of Santa Rosa*

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Thursday, July 21, 2022

11:00 AM

(REMOTE)

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**ABAG Publicly Owned Energy Resources  
Executive Committee  
Special Meeting No. 2022-04**

**Committee Representative Roster**  
**Andre Duurvoort, City of Cupertino**  
**Diana Oyler, County of Contra Costa**  
**Chris Schroeder, City of Milpitas**  
**Angela Walton, City of Richmond**  
**Doug Williams, City of Santa Rosa**

**In light of Governor Newsom's State of Emergency declaration regarding COVID-19 and in accordance with Assembly Bill 361's (Rivas) provisions allowing remote meetings, this meeting will be accessible via webcast, teleconference, and Zoom for all participants.**

**A Zoom panelist link for meeting participants will be sent separately to committee members.**

**The agenda will be available publicly at: <https://abag.ca.gov/meetings>.**

**Attendee Link: <https://bayareametro.zoom.us/j/84096088718>  
Join by Telephone: 888-788-0099 or 877-853-5247 (both toll free)  
Webinar ID: 840 9608 8718**

**Members of the public may participate or may submit comments by email at [info@bayareametro.gov](mailto:info@bayareametro.gov) by 5:00 p.m. the day before the scheduled meeting date. Please include the committee or board meeting name and agenda item number in the subject line.**

**Due to the current circumstances, there may be limited opportunity to address comments during the meeting. All comments received will be submitted into the record.**

#### **1. Welcome and Introductions**

Call to order.  
Angela Walton, ABAG POWER Executive Committee Chair

Roll Call / Confirm Quorum.  
Cindy Chen, Energy Programs Coordinator, ABAG/MTC

## 2. Public Comment

The public is encouraged to provide comment at Committee meetings. This public comment period is intended for items not agendaized.

## 3. Consent Calendar

[22-1129](#) Approval of ABAG POWER Resolution No. 22-07 Assembly Bill 361 (Rivas) Remote Meetings.

**Action:** Approval

**Presenter:** Ryan Jacoby, Program Manager, ABAG/MTC

**Attachments:** [3.a.- ABAG POWER Resolution 22-07 AB 361 Remote Meetings](#)

## 4. California's Net Energy Metering (NEM) Program

[22-1175](#) Request to authorize the ABAG POWER Executive Committee Chair to work with staff to draft a statement of position regarding the proposed changes to California's NEM program, and to explore and then transmit the letter to the appropriate recipient.

**Action:** Approval

**Presenter:** Chris Schroeder, ABAG POWER Executive Committee  
David Rosenfeld, Solar Rights Alliance

**Attachments:** [4.a.- Summary Sheet- Proposed Changes to Californias Net Energy Metering P](#)  
[4.b.- Save California Solar- Fact Sheet-Utilities Want to Stop California's Solar F](#)  
[4.c.- Save California Solar- Organizations & Community Leaders in Support of F](#)  
[4.d.- NRDC- A Four Point Guide to California's Net Metering Update](#)  
[4.e.- NRDC- California's Net Metering Reform Necessary Accurate Fair](#)

## 5. Other Business

Committee to provide update on items within member agencies relevant to ABAG POWER and/or the ABAG/MTC energy programs.

## 6. Adjournment / Next Meeting

The next meeting of the ABAG POWER Executive Committee Meeting scheduled to be held on August 18, 2022.

**Public Comment:** The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

**Meeting Conduct:** If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

**Record of Meeting:** Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site ([mtc.ca.gov](http://mtc.ca.gov)) for public review for at least one year.

**Accessibility and Title VI:** MTC provides services/accommodations upon request to persons with disabilities and individuals who are limited-English proficient who wish to address Commission matters. For accommodations or translations assistance, please call 415.778.6757 or 415.778.6769 for TDD/TTY. We require three working days' notice to accommodate your request.

**可及性和法令第六章:** MTC 根據要求向希望來委員會討論有關事宜的殘疾人士及英語有限者提供服務/方便。需要便利設施或翻譯協助者，請致電 415.778.6757 或 415.778.6769 TDD / TTY。我們要求您在三個工作日前告知，以滿足您的要求。

**Acceso y el Titulo VI:** La MTC puede proveer asistencia/facilitar la comunicación a las personas discapacitadas y los individuos con conocimiento limitado del inglés quienes quieran dirigirse a la Comisión. Para solicitar asistencia, por favor llame al número 415.778.6757 o al 415.778.6769 para TDD/TTY. Requerimos que solicite asistencia con tres días hábiles de anticipación para poderle proveer asistencia.

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Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

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**File #:** 22-1129      **Version:** 1      **Name:**  
**Type:** Action Item      **Status:** Committee Approval  
**File created:** 6/15/2022      **In control:** ABAG POWER Executive Committee  
**On agenda:** 7/21/2022      **Final action:**  
**Title:** Approval of ABAG POWER Resolution No. 22-07 Assembly Bill 361 (Rivas) Remote Meetings.  
**Sponsors:**  
**Indexes:**  
**Code sections:**  
**Attachments:** [3.a.- ABAG POWER Resolution 22-07 AB 361 Remote Meetings](#)

Date	Ver.	Action By	Action	Result
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**Subject:**  
Approval of ABAG POWER Resolution No. 22-07 Assembly Bill 361 (Rivas) Remote Meetings.

**Presenter:**  
Ryan Jacoby, Program Manager, ABAG/MTC

**Recommended Action:**  
Approval

**Attachments:** List any attachments.

**Association of Bay Area Governments Publicly Owned Energy Resources**

**ABAG POWER**

**Executive Committee**

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July 21, 2022

Agenda Item 3.a.

Resolution No. 22-07 Providing for Remote Meetings Pursuant to AB 361

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**Subject:**

Approval of Resolution No. 22-07 regarding remote meetings pursuant to AB 361.

**Background:**

AB 361 provides for continuing availability of remote meetings during the pandemic-related state of emergency in California. In order to invoke this option, governing boards of Brown Act bodies, or their authorized designated committees must make certain findings in support of remote meetings within 30 days of the first meeting occurring after October 1, 2021, and every 30 days thereafter. Attached for your review and approval is a resolution invoking AB 361 and providing for remote meetings retroactive to Oct. 1 of this year and prospectively for 30 days following the action of the Board of Directors for the Association of Bay Area Governments Publicly Owned Energy Resources (ABAG POWER).

**Issues:**

Findings in support of Resolution No. 22-07 are found in the attached. Given the continuing state of public health emergency and the improved public access afforded by holding public meetings of regional bodies in a virtual setting, the resolution under AB 361 is supportable.

**Recommended Action:**

The Executive Committee for ABAG POWER is requested to adopt Resolution No. 22-07 authorizing its committees and related entities to meet remotely pursuant to the provisions of AB 361.

**Attachments:**

- ABAG POWER Resolution 22-07

**Reviewed:**

DocuSigned by:  
  
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Brad Paul

**ABAG PUBLICLY OWNED ENERGY RESOURCES  
EXECUTIVE COMMITTEE**

**RESOLUTION NO. 22-07**

**ABSTRACT**

This resolution makes findings pursuant to AB 361 to continue virtual public meetings for the Association of Bay Area Governments (ABAG) Publicly Owned Energy Resources (ABAG POWER), its related entities and committees during the COVID-19 State of Emergency.

Further discussion of this subject is contained in the ABAG POWER Summary Sheet dated July 21<sup>st</sup>, 2022.



**ABAG PUBLICLY OWNED ENERGY RESOURCES  
EXECUTIVE COMMITTEE**

**RESOLUTION NO. 22-07**

**FINDINGS PURSUANT TO AB 361 TO CONTINUE VIRTUAL PUBLIC MEETINGS FOR THE  
ASSOCIATION OF BAY AREA GOVERNMENTS PUBLICLY OWNED ENERGY  
RESOURCES (ABAG POWER) AND ITS RELATED ENTITIES AND COMMITTEES DURING  
THE COVID-19 STATE OF EMERGENCY**

**WHEREAS**, on March 4, 2020, the Governor of the State of California declared a state of emergency, as defined under the California Emergency Services Act, due to the COVID-19 pandemic; and

**WHEREAS**, the State of Emergency remains in effect; and

**WHEREAS**, beginning in March 2020, the Governor's Executive Order N-29-20 suspended Brown Act requirements related to teleconferencing during the COVID-19 pandemic provided that notice, accessibility, and other requirements were met, and the public was allowed to observe and address the legislative body at the meeting; and

**WHEREAS**, Executive Order N-08-21 extended the previous order until September 30, 2021; and

**WHEREAS**, the Association of Bay Area Governments Publicly Owned Energy Resources (ABAG POWER) and its related entities and committees have conducted their meetings virtually, as authorized by the Executive Order, since March 17, 2020; and

**WHEREAS**, on September 16, 2021, the Governor signed into law AB 361, an urgency measure effective upon adoption, that provides flexibility to government bodies, allowing them to meet virtually without conforming to the Brown Act teleconferencing rules if: (i) the legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing; (ii) the legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees; or (iii) the legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees; and

**WHEREAS**, the San Francisco Public Health Department continues to recommend and/or require measures to promote social distancing in combination with other safety precautions when activities occur in shared indoor spaces to mitigate the risk of COVID-19 transmission; and

**WHEREAS**, recently, multiple COVID-19 variants have surged in the United States and are believed by medical experts to be more contagious than previous variants, and data has shown these variants to have increased transmissibility even among some vaccinated people; and

**WHEREAS**, due to uncertainty and concerns about recent COVID-19 variants and current conditions, many workplaces that had announced a return to regular in-person operations have pushed back the full return date; and

**WHEREAS**, virtual meetings have not diminished the public's ability to observe and participate and have expanded opportunities to do so for some communities; and

**WHEREAS**, given the heightened risks of the predominant variant of COVID-19 in the community, holding meetings with all members of the legislative body, staff, and the public in attendance in person in a shared indoor meeting space would pose an unnecessary and immediate risk to the attendees;

**NOW, THEREFORE, BE IT RESOLVED**, that the Executive Committee on behalf of ABAG POWER hereby determines that, as a result of the emergency, meeting in person presents imminent risks to the health or safety of attendees; and be it further

**RESOLVED**, that in accordance with AB 361, based on the findings and determinations herein, meetings of ABAG POWER, its related entities and its committees will be held virtually, with Brown Act teleconferencing rules suspended; and be it further

**RESOLVED**, that this resolution shall be effective upon adoption and remain in effect for 30 days after the first meeting held in accordance with AB 361.

This foregoing was adopted by the Executive Committee at its meeting on this 21<sup>st</sup> day of July, 2022.

By: \_\_\_\_\_  
Angela Walton, Chair

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

Certification of Executive Committee Approval

I, the undersigned, the appointed and qualified Secretary of the ABAG Publicly Owned Energy Resources (ABAG POWER), do hereby certify that the foregoing resolution was adopted by the Executive Committee of ABAG POWER at a duly called meeting held on the 21<sup>st</sup> day of July, 2022.

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Jennifer Berg, Secretary  
ABAG POWER



# Metropolitan Transportation Commission

375 Beale Street, Suite 800  
San Francisco, CA 94105

## Legislation Details (With Text)

**File #:** 22-1175      **Version:** 1      **Name:**

**Type:** Action Item      **Status:** Committee Approval

**File created:** 6/24/2022      **In control:** ABAG POWER Executive Committee

**On agenda:** 7/21/2022      **Final action:**

**Title:** Request to authorize the ABAG POWER Executive Committee Chair to work with staff to draft a statement of position regarding the proposed changes to California’s NEM program, and to explore and then transmit the letter to the appropriate recipient.

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** [4.a.- Summary Sheet- Proposed Changes to Californias Net Energy Metering Program](#)  
[4.b.- Save California Solar- Fact Sheet-Utilities Want to Stop California's Solar Progress](#)  
[4.c.- Save California Solar- Organizations & Community Leaders in Support of Protecting Solar Net](#)  
[4.d.- NRDC- A Four Point Guide to California's Net Metering Update](#)  
[4.e.- NRDC- California's Net Metering Reform Necessary Accurate Fair](#)

Date	Ver.	Action By	Action	Result
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**Subject:**  
Request to authorize the ABAG POWER Executive Committee Chair to work with staff to draft a statement of position regarding the proposed changes to California’s NEM program, and to explore and then transmit the letter to the appropriate recipient.

**Presenter:**  
Chris Schroeder, ABAG POWER Executive Committee  
David Rosenfeld, Solar Rights Alliance

**Recommended Action:**  
Approval

**Attachments:** List any attachments.

## Association of Bay Area Governments Publicly Owned Energy Resources

### ABAG POWER

#### Executive Committee

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July 21, 2022

Agenda Item 4.a.

#### California's Net Energy Metering (NEM) Program

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#### Subject:

Request to authorize the ABAG POWER Executive Committee Chair to execute and submit a statement of position regarding the proposed changes to California's NEM program to the appropriate recipient. Based on the Committee's direction, staff will prepare the statement of position for the Committee Chair to execute.

#### Background:

Customers who install small solar, wind, biogas, and fuel cell generation facilities to serve all or a portion of onsite electricity needs are eligible for the state's net energy metering (NEM) program. NEM allows customers who generate their own energy "(customer-generators)" to serve their energy needs directly onsite and to receive a financial credit on their electric bills for any surplus energy fed back to their utility.

For more than 20 years, California has aggressively supported the rooftop solar market through its NEM program in Pacific Gas and Electric Company (PG&E), Southern California Edison (SCE), and San Diego Gas & Electric Company (SDG&E) territories. The current NEM program ("NEM 2") provides customer-generators full retail rate credits for energy exported to the grid and requires them to pay a few charges that align NEM customer costs more closely with non-NEM customer costs.

On August 27, 2020, the California Public Utilities Commission (CPUC) adopted an Order Instituting Rulemaking to revisit the existing NEM tariffs, with the major focus being the development of successor tariffs – referred to as NEM 3.0 – pursuant to the requirements of California Assembly Bill 327 (2013, Perea). The proceeding's scope also includes the review and potential modification of all NEM tariff schedules, and issues related to consumer protection.

On December 13, 2021, the CPUC issued a Proposed Decision (PD), with comments due by January 27, 2022. There were many comments submitted. To date, the PD has yet to be put on the CPUC agenda for a vote.

On May 9, 2022, the assigned Administrative Law Judge issued a ruling seeking comment on several issues. Thereafter on June 2, 2022, a procedural ruling was issued, extending the deadline for reply comments to July 1, 2022.

### Issues:

Attached are arguments in support and in opposition of the December 13, 2021 Proposed Decision issued by the CPUC. The CPUC's comment period ended July 1, 2022. Accordingly, the appropriate recipient of a statement of position regarding the NEM PD must be explored.

### Recommended Action:

The Executive Committee for ABAG POWER is requested to authorize the Chair to execute a statement of position regarding the proposed changes to California's NEM program to the appropriate recipient and to submit the letter to the appropriate recipient.

### Attachments:

- Save California Solar – Fact Sheet
- Save California Solar – List of Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar
- NRDC – A Four Point Guide to California's Net Metering Update
- NRDC – California's Net Metering Reform: Necessary, Accurate, Fair

### Reviewed:

DocuSigned by:  
*Brad Paul*  
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Brad Paul



Fact Sheet

## Utilities want to stop California's solar progress. Don't give up your solar power.

California is a solar state where the sun belongs to everyone. Popular policies like net metering are helping millions of middle and working class Californians tap into the sun's power to save money and clean up our air.

Big utilities like PG&E, are standing in the way of future progress. They are lobbying the CA Public Utilities Commission (CPUC) to add a monthly solar penalty fee to ratepayer bills and drastically reduce the credit solar consumers receive for selling excess power back to the grid.

Late last year, the CPUC released a proposed decision that gives the utilities almost everything they asked for. If the CPUC approves their proposal, Californians' access to solar power will be blocked.

This is a big utility profit grab at the expense of the public and planet that is out of step with California's clean energy goals. We are asking Governor Newsom to support rooftop solar for the public and stop the utility profit grab.

**Take action today!** Visit [SaveCaliforniaSolar.org](https://SaveCaliforniaSolar.org) to sign the petition to Governor Newsom.

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### The Sun Belongs To Everyone

- Over 2,000 schools, 1,000 farms, 300 apartment buildings and over a million homes are powered directly by the sun. [1]
- Every day, 400 new consumers plug into the sun to save money and do their part to reduce air pollution and stop climate change. [2]

### Keep the Lights On With Sun-Charged Batteries

- Increasingly, consumers are adding a battery to their solar system to provide reliable energy for their home or business.
- California has more than 30,000 sun-charged batteries that can instantaneously provide pollution-free electricity when California needs it most – late summer afternoons and early evenings when our electric grid is most stressed. [3]
- Rolling blackouts like those that occurred on August 14 and 15, 2020 are avoidable if California builds more sun-charged batteries where people live, work, pray and play.

### Rooftop Solar Reduces Utility Bills For Everyone

- Maximizing rooftop solar could save ratepayers \$120 billion over the next thirty years. [4]
- In 2018 alone, rooftop solar and energy efficiency prompted the state to scale back more than 20 power line projects, saving \$2.6 billion. This trend has continued since. [5]

## The Big Utility Profit Grab Hurts Working Families the Most

The CPUC's proposal is a near carbon-copy of the one PG&E, So Cal Edison, and San Diego Gas & Electric lobbied for. It would effectively put solar out of reach for nearly everyone. [6]

- **A Solar Tax of between \$300 and \$600 a year.** The Solar Tax would be based on the amount of solar energy you make and consume. The more solar energy you make, the higher the tax. This includes apartment buildings, new homes built with solar per the state mandate, and solar-powered batteries.
- **80% cut to the credit solar users get for sharing surplus solar energy with the grid.** The credit would drop from an average of twenty-five cents per kilowatt hour to about five cents. This cut happens immediately; we predict it will end the solar market overnight.
- **Rolls back protections for existing solar users.** Existing solar users are currently protected from changes to net metering rules for 20 years from the date their system turned on. The CPUC is now proposing to reduce that protection to 15 years, and eliminate the protection altogether if you accept their battery rebate.
- **A step backward for equity.** The CPUC claims they are helping more low-income households by exempting them from the solar penalty fee, and with a "Market Transition Credit" of \$26 per month for eligible PG&E customers and \$31 per month for eligible Southern California Edison customers. In reality, the CPUC's deal would make solar more expensive for low-income households. For example, low-income households going solar with PG&E would pay \$24 to \$50 per month more than under the status quo. That's because slashing the net metering credit by 80% destroys the bill savings that make solar affordable for working and middle class people. [7]
- **This will make solar unaffordable for most people, right when just under half of all new solar is going into working and middle class neighborhoods, serving both homeowners and renters.** [8] Over 150,000 solar roofs serve customers in the CARE discount program. [9] This year, an additional 30,000 rental units serving more than 100,000 people at multifamily affordable housing projects are under development due to net metering, and another 200,000 families in affordable multi-family homes are projected to get solar by 2030. [10]
- **This will also ruin thousands of small, locally-owned solar businesses and threaten over 60,000 jobs.** [11]

## The Utility Profit Grab Impedes Getting To 100% Clean Energy

- The California Energy Commission estimates California will need three times as much solar - both large-scale and rooftop - to meet its goals and help fight climate change. [12]
- By building solar panels on roofs, instead of converting open space to utility-scale solar farms, California can also help protect open space. For every gigawatt of rooftop solar built on rooftops, almost 5,200 acres of land can be protected. [13]
- Today's one million solar systems produce nearly 13 billion kilowatt hours (kWh) of clean energy each year, avoiding 5 million metric tons of CO<sub>2</sub> annually - the equivalent of two coal-fired power plants. [14]

## Utilities Care About Profits, Not Equity



- Long-distance power lines and "wildfire mitigation" are what's actually driving up our electricity bills. Consumers pay an estimated \$9 billion a year related to long-distance power lines. [15]
- Utilities get a guaranteed profit of 8-10% from every dollar they spend building and maintaining those power lines. [16]
- Utilities have lobbied against every major proposal to help more working communities adopt solar and battery storage. [17]

## We should keep solar growing, and make it more equitable

The State of California should keep rooftop solar and battery storage growing, and to make it more equitable so that millions of working class households and communities including renters have access to solar in the next few years. [18]

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### Endnotes

[1] California Solar & Storage Association: [Shovel Ready for Recovery](#)

[2] California DG Stats. <https://www.californiadgstats.ca.gov>.

[3] See note 1

[4] Vibrant Clean Energy: [Role of Distributed Generation in Decarbonizing California by 2045](#)

[5] See [Utility Dive](#) summary of this CA Independent Systems Operator (CAISO) 2018 report, with link to the actual report.

CAISO's [most recent 2020-2021 report](#) continued to credit rooftop solar and efficiency for reducing transmission line spending, "*Load forecast growth continues to remain relatively flat, resulting in part from continued statewide emphasis on energy efficiency and behind-the-meter generation... Consistent with past studies, this transmission planning cycle did not reveal the need for major transmission expansion to achieve the 60 percent RPS goal set out in SB 100 for 2030..*" (p. 1)

[6] [CPUC Proposal for NEM3](#) released December 13, 2021. Solar Penalty Fee: PG&E: \$8 per kW of installed solar capacity. This is \$48 per month for a customer with a typical solar system size of 6 kW; SCE: \$8 per kW of installed solar capacity plus \$12 per month. This is \$60 per month for a typical customer; SDG&E: \$8 per kW of installed solar capacity plus \$16 per month. This is \$64 per month for a typical customer. [CPUC's request for additional input on additional ideas](#), May 9th, 2022.

See Solar Rights Alliance [blog post](#) and [spreadsheet](#) demonstrating how this would amount to \$300 to \$600 / year Solar Tax.

[7] California Solar & Storage Association, [Under NEM-3 Proposal, Solar & Storage Become More Expensive, Even for Low-Income](#).

[8] Neighborhood level adoption data: The Berkeley Lab: [Solar Demographics Tool](#) and [Income Trends among U.S. Residential Rooftop Solar Adopters](#)

[9] [CARE data](#)

[10] See note 2.

[11] The Solar Foundation: [National Solar Jobs Census](#)

[12] California Energy Commission: [SB 100 Joint Agency Report Summary](#), p. 10

[13] Environment California Research & Policy Center: [The Environmental Case for Rooftop Solar](#)

[14] See note 1

[15] CA Public Utilities Commission: [Utility Costs and Affordability of the Grid of the Future](#) \$4B in transmission costs in 2021 on p. 3; \$5B in wildfire mitigation costs in 2019 on p. 60; \$4.336 in 2021 transmission spending and rate of increase p. 36

[16] CPUC's "Utility Costs and Affordability of the Grid of the Future: The Averch-Johnson effect described on page 26; The state's investor-owned utilities charged ratepayers nearly \$20 billion in transmission line projects between 2010 and 2019 (pp. 39, Table 11); Utilities collected more than \$20 billion in profits over a similar time period (utility 10-K filings, [itemized here](#)).

[17] Partial list of initiatives utilities lobbied to kill or defang: Affordable housing solar incentives ([AB 693](#) - Eggman, 2015); Low-income feed in tariff ([AB 1990](#) - Fong); Community solar ([SB 843](#) - Wolk, 2013; [SB 43](#) - Wolk, 2013; CPUC implementation); Microgrids ([SB 1339](#), CPUC implementation)

[18] Coalition for Environmental Equity & Economics, [Equity Statement](#) and [Path for more solar equity](#)



## Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar

### Business/Green Building

[California Building Industry Association](#)  
[Silicon Valley Leadership Group](#)  
[California Association of Realtors](#)  
[Activate Capital](#)  
[Breakthrough Energy Ventures](#)  
[Buoyant Ventures](#)  
[Capricorn Investment Group](#)  
[City Light Capital](#)  
[Clean Energy Ventures](#)  
[Congruent](#)  
[DBL Partners](#)  
[DFJ/DFJ Growth](#)  
[Ecosystem Integrity Fund](#)  
[G2 Venture Partners](#)  
[Madrone Capital Partners](#)  
[NGP Energy Technology Partners](#)  
[Obvious Ventures](#)  
[Overture](#)  
[Pangaea Ventures](#)  
[Powerhouse Ventures](#)  
[Prelude Ventures LLC](#)  
[SJF Ventures](#)  
[Spero Ventures](#)  
[Westly Group](#)  
[Wireframe Ventures](#)  
Raytheon Technologies (RTX)  
5th Dot Studio  
Aligned Energy Partners  
AmeriGreen Solar  
Balco Properties  
Beni Sol  
Better APC  
BFG Environment  
Bulk Jerky  
Business For Good San Diego  
Cal Solar Inc  
CalCom Energy  
CALSSA  
CHERP, Inc.  
Corona Enterprises, LLC  
CQ Floors, LLC  
Cream  
Delhi Diner  
Diffusion Studios  
Earthing  
GFC  
GlenLyon Vineyards & Winery  
GreenPower  
Green Workers Alliance  
Hey Social Good

Holland Nut Company  
Ice Cream on the Boardwalk  
Isla Vista Food Co-op  
J Z Design & Build Inc  
JVT Enterprises llc  
Klype LLC  
Lauterbach Cellars  
Makeup Store  
McDargh Enterprises  
Moshin Vineyards  
Native Sol  
Northern California Solar Energy Association  
Nutmeg's Ojai House  
O'Connell Ranch  
Offset Climate  
PACENation  
Pacific Energy Policy Center  
Pacific Research Group  
Page Against the Machine  
Peninsula Clean Energy  
Pizza Napolita  
Poke Parlor  
R&N Strategies  
Récolte Energy  
Napa Recycling & Waste Services  
Renewable Dream Team LLC  
Revel Energy  
RK Communication  
Robert Carr Consultants  
Sack, Cloth and Ash  
Sackcloth and ash  
SAGA  
San Diego Green Building Council  
Santa Barbara South Coast Chamber of Commerce  
Scudder Roofing Sun Energy Systems  
Siegel & Strain Architects  
Steve Westly, Managing Partner, Westly Group and former California State Controller  
Sky Power Solar  
Sustainable Stork Solutions  
Templeton Chamber of Commerce  
The Funnel House  
Three Pillar Communities  
US Facilities Lighting  
Warne construction  
ZIP  
Zoho

### Community

Anahuak Youth Soccer Association  
API Forward Movement  
California State Grange  
Coalition for the San Francisco Neighborhoods  
Community Action Agency of Butte County, Inc.  
Community Corporation of Santa Monica  
Council of Mexican Federations (COFEM)  
Del Paso Heights Growers Alliance  
Democratic Club of Claremont  
Democratic Club of Greater Tracy  
Democrats of the Desert  
East Bay Clean Power Alliance  
East Bay for Everyone  
FCAT Fallbrook Climate Action Team  
Federacion de Clubes de Colima  
Federación de Clubes y Asociaciones de Michoacán  
Federación de Guanajuatenses  
Federación Duranguense USA  
Federation of Hidalguenses in California  
Fraternidad Sinaloense  
Futures Unbound  
Gallinas Watershed Council  
Grass Roots Institute  
La Peña Cultural Center  
Long Beach Community Table  
Long Beach Environmental Alliance  
Long Beach Gray Panthers  
Los Angeles Waterkeeper  
McGee-Spaulling Neighbors in Action  
Mujeres Unidos Sirviendo Activamente  
National Skill Pool  
Nevada County Climate Action Now  
Nicaragua Center for Community Action  
North Coast People's Alliance  
Peninsula For Everyone  
Planning Association for the Richmond  
Project Artaud Corporation  
RootsAction  
Samuel Lawrence Foundation  
San Diego Energy District Foundation  
San Francisco Community Empowerment Center  
San Joaquin Urban Native Council  
Sonoma County Peace & Justice Center  
South Berkeley NOW!  
SPUR  
Sustainable Marin



## Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar

The Federation of Nayarit in the United States  
The Federation of Sonora USA  
The Organización Regional de Oaxaca  
Unitarian Universalist Fellowship of Los Gatos  
United Women of East Africa  
Vet Voice Foundation  
WEHANA (West Harmon Area Neighborhood Association)

### Consumer, Housing, & Faith

[Affordable Communities, Inc.](#)  
[Affordable Housing Development Corporation \(AHDC\)](#)  
Augusta Communities  
[Bay Area Community Land Trust](#)  
[Bay Area Community Services](#)  
Berkeley Tenants Union  
[BRIDGE Housing](#)  
CA Interfaith Power & Light  
CADEM Renters Council  
[California Coalition for Rural Housing](#)  
California Community Economic Development Association  
[California Housing Consortium](#)  
[California Housing Partnership](#)  
California Public Interest Research Group (CALPIRG)  
Californians for Disability Rights (CDR)  
CALPIRG Students  
Citizens Franchise Alliance  
Community Housing Improvement Program, Inc.  
[Community Housing Works](#)  
Congregation Netivot Shalom  
[Consumer Watchdog](#)  
David Baker Architects  
Designing Accessible Communities  
DSO San Diego  
[EAH Housing](#)  
[East Bay Asian Local Development Corporation \(EBALDC\)](#)  
[East Bay Housing Organizations](#)  
Faith Church  
Green Sanctuary  
Greenbank Associates  
Greening Committee of Kehilla Community Synagogue  
Heirloom Church of the Nazarene  
Heritage Housing Partners

House of Hope - San Bernardino  
[Housing California](#)  
Living Vine Church  
[Lewis Apartment Communities](#)  
Lutherans Restoring Creation - California  
MCJC Justice Group  
Mendocino Coast Jewish Community Justice Group  
MidPen Housing  
[Mission Economic Development Agency](#)  
Monterey County Renters United  
Neighborhood Church  
[Neighborhood Partners, LLC](#)  
[Northern California Land Trust](#)  
[Pacific West Communities](#)  
Peninsula Interfaith Climate Action  
Project Green Home  
[Redwood Energy](#)  
[Resources for Community Development](#)  
Sacramento Area Congregations Together  
San Diego Housing Federation  
San Francisco Bay Physicians for Social Responsibility  
[San Joaquin Valley Housing Collaborative](#)  
[Self-Help Enterprises](#)  
[Southern California Association of NonProfit Housing \(SCANPH\)](#)  
Tesla owners Silicon Valley  
The Kitchen SF Rainmakers

### Conservation & Wildlife

Amargosa Conservancy  
Anderson Marsh Interpretive Association  
Audubon California  
Basin and Range Watch  
Bolsa Chica Land Trust  
CA Climate and Agriculture Network  
CA Climate and Agriculture Network  
California Desert Coalition  
California Institute for Biodiversity  
California Native Plant Society  
California Native Plant Society Santa Clara Valley Chapter  
California Native Plant Society, Alta Peak Chapter  
California Native Plant Society, Bristlecone Chapter  
California Native Plant Society, El Dorado Chapter  
California Native Plant Society, Kern Chapter

California Native Plant Society, Marin Chapter  
California Native Plant Society, Redbud Chapter  
California Native Plant Society, Riverside-San Bernardino Chapter  
California Native Plant Society, San Diego Chapter  
California Native Plant Society, Yerba Buena Chapter  
California Waterfowl Association  
California Wilderness Coalition  
Californians Against Waste  
Californians for Western Wilderness  
Center for Biological Diversity  
Defenders of Wildlife  
Endangered Habitats League  
Friends Of Riverside's Hills  
Friends of the Amargosa Basin  
Friends of the Eel River  
Humboldt Baykeeper  
Los Angeles Audubon Society  
Marin Audubon Society  
Mojave Desert Land Trust  
Morongo Basin Conservation Association  
Mountain Lion Foundation  
National Parks Conservation Association  
Northern California Land Trust  
Northern California Land Trust  
Redwood Alliance  
The Nature Conservancy  
The Wilderness Society  
The Wildlands Conservancy  
Tuleyome  
UC Davis Natural Reserve System  
Western Watersheds Project

### Education

[School Energy Coalition](#)  
[California's Coalition for Adequate School Housing](#)  
[Association of California School Administrators](#)  
[California School Boards Association](#)  
[Los Angeles Unified School District](#)  
[Carlsbad Unified School District](#)  
[Visalia Unified School District](#)  
[Riverdale Unified School District](#)  
[Pittsburg Unified School District](#)  
[Mendota Unified School District](#)  
[Kerman Unified School District](#)



## Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar

[Golden Valley Unified School District](#)  
[Golden Plains Unified School District](#)  
[Lindsay Unified School District](#)  
[Vista Unified School District](#)  
[Ojai Unified School District](#)  
[Mendocino-Lake Community College District](#)  
[San Marcos Unified School District](#)  
[Pajaro Valley Unified School District](#)  
[Berkeley Unified School District](#)  
[El Monte Union High School District](#)  
[Grossmont Union High School District](#)  
[Redwood City School District](#)  
[Ukiah Unified School District](#)  
Associated Students SDSU  
Andrea's Voice  
Ralph Dunlap Elementary  
CleanEarth4Kids  
Park Day School  
Shasta College

### **Elected / Government**

[City of San Diego](#)  
[City of Berkeley](#)  
[City of Imperial Beach](#)  
[City of Richmond](#)  
[City of Sebastopol](#)  
[City of Solana Beach](#)  
[City of Encinitas](#)  
[City of El Cerrito](#)  
[City of Palm Springs](#)  
[City of Desert Hot Springs](#)  
[City of Hayward](#)  
[City of Hawthorne](#)  
[Town of Fairfax](#)  
[City of Indian Wells](#)  
[City of Palm Desert](#)  
[Coachella Valley Association of Governments](#)  
[Diablo Water District](#)  
[San Diego Community Power](#)  
[San Jose Clean Energy](#)  
[Santa Cruz County Board of Supervisors](#)  
[Mendocino County Board of Supervisors](#)  
[U.S. Congressman Mike Thompson](#)  
[U.S. Congressman Mike Levin](#)  
[U.S. Congressman Maxine Waters](#)  
[U.S. Congressman Anna Eshoo](#)  
[U.S. Congressman Zoe Lofgren](#)  
[U.S. Congressman Lucille Roybal-Allard](#)

[U.S. Congressman Brad Sherman](#)  
[U.S. Congressman Barbara Lee](#)  
[U.S. Congressman Jim Costa](#)  
[U.S. Congressman Doris Matsui](#)  
[U.S. Congressman Jerry McNerney](#)  
[U.S. Congressman Jackie Speier](#)  
[U.S. Congressman Karen Bass](#)  
[U.S. Congressman Julia Brownley](#)  
[U.S. Congressman Jared Huffman](#)  
[U.S. Congressman Alan Lowenthal](#)  
[U.S. Congressman Raul Ruiz](#)  
[U.S. Congressman Eric Swalwell](#)  
[U.S. Congressman Mark Takano](#)  
[U.S. Congressman Mark DeSaulnier](#)  
[U.S. Congressman Ted Lieu](#)  
[U.S. Congressman Nanette Barragan](#)  
[U.S. Congressman Ro Khanna](#)  
[U.S. Congressman Jimmy Panetta](#)  
[U.S. Congressman Jimmy Gomez](#)  
[U.S. Congressman Katie Porter](#)  
Alan Nagy, Mayor, City of Newark  
Alma Beltran, Mayor, Parlier  
Ann Schneider, Mayor, Millbrae  
Bruce Ackerman, Mayor, Fairfax  
Barbara Halliday, Mayor, Hayward  
Charles Stone, Mayor, Belmont  
Claudia Bill-de la Peña, Mayor, Thousand Oaks  
Christy Gilbert Holstege, Esq., Mayor, Palm Springs  
Daniel Lee, Vice Mayor, Culver City  
[Darrell Steinberg, Mayor, Sacramento](#)  
Drew Boyles, Mayor, El Segundo  
Eli Beckman, Mayor, Corte Madera  
Emmanuel Estrada, Mayor, Baldwin Park  
Jaime Tarne, Mayor, Etna  
James Campbell, Mayor, Belvedere  
[Jerry Dyer, Mayor, Fresno](#)  
Jesse Arreguin, Mayor, Berkeley  
Kathy Ward, Mayor, San Clemente  
[Libby Schaaf, Mayor, Oakland](#)  
Mary Casillas Salas, Mayor, City of Chula Vista  
Maryann Moise Derwin, Mayor, Portola Valley  
Norma Martínez-Rubin, Mayor, City of Pinole  
Pat Furey, Mayor, Torrance  
Pauline Cutter, Mayor, San Leandro  
Paul Fadelli, Mayor, El Cerrito  
Robert Brownstone, Mayor, Half Moon Bay

Ronald Kott, Mayor, Rio Vista  
[Sam Liccardo, Mayor, San Jose](#)  
Serge Dedina, Mayor, Imperial Beach  
Sofia Rubalcava, Mayor, City of Ventura  
Steve Young, Mayor, Benicia  
Steven Vargas, Mayor, Brea  
Teresa Barrett, Mayor, Petaluma  
Terry Gaasterland, Mayor, City of Del Mar  
[Vicente Sarmiento, Mayor, Santa Ana](#)  
Artemio Villegas, Mayor Pro Tem City Council #6, Madera  
Bobby Duncan, Mayor Pro Tem, City of Yucaipa  
Gabriel Quinto, Mayor Pro Tem, El Cerrito  
Victor Aguilar, Vice Mayor, San Leandro  
Wes Speake, Vice Mayor, Corona  
Paul Grisanti, Mayor, Malibu  
Shawn Kumagai, Vice Mayor, City of Dublin  
[San Diego County Supervisor Joel Anderson](#)  
Alexandre Monteiro, Councilmember, City of Hawthorne  
Alison Hicks, Councilmember, Mountain View City  
Bill Baber, City Councilmember, La Mesa  
Chris Duncan, City Councilmember, San Clemente  
Claudia Jimenez, City Councilmember, Richmond  
Corina Lopez, Councilmember, San Leandro  
Dan Kalb, City Councilmember, Oakland  
David Cohen, Councilmember, San Jose  
Dennis Pocekay, Councilmember, Petaluma City  
Devin Murphy, Councilmember, City of Pinole City  
Ed Hernandez, Former Councilmember, San Leandro  
Eddie Alvarez, Councilmember, Santa Rosa  
Gayle McLaughlin, Councilmember, Richmond City  
J Francisco Zermeño C, Councilmember, City of Hayward  
James Coleman, Councilmember, City of South San Francisco  
Jenny Kenoyer, Councilmember, Modesto  
Joe Patterson, City Councilman, City of Rocklin



## Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar

John Friedrich, City Councilmember, South Lake Tahoe  
Jon Willey, City Councilmember, Cupertino  
Justin Massey, City Councilmember, Hermosa Beach  
Kate Harrison, Councilmember, Berkeley City  
Loren Taylor, Councilmember, City of Oakland  
Nelida Mendoza, Councilmember, Santa Ana  
Nithya Raman, City Councilmember, Los Angeles  
Priya Bhat-Patel, Councilmember, Carlsbad  
Raul Campillo, Councilmember, San Diego  
Salvador Solorio-Ruiz, Councilmember, City of Delano  
Sally Lieber, Councilmember, Mountain View  
Susan Wengraf, Councilmember, Berkeley City  
Tony Goodwin, City Councilmember, City of Modesto  
Tony Madrigal, District 2 Councilmember, Modesto City  
Valerie Arkin, Councilmember, City of Pleasanton  
Mario Fernandez, Vice Chair, Humboldt County Democratic Central Committee  
Helene Rouvier, Associate Member, Humboldt Progressive Democrats  
Igor Tregub, Member, Berkeley Democratic Caucus  
Chris Ricci, Councilmember, District 3, Modesto  
Gregory RAths, Councilman, Mission Viejo  
Greg Bradley, Treasurer, Upland  
Christian Dinco, Councilman, Eastvale East Area Progressive Democrats  
Alameda County Democratic Party  
West Contra Costa County Democratic Club  
[El Cerrito Democratic Club](#)  
Yuba City Democratic Party  
California Democratic Party Region 5  
California Democratic Party Region 6  
California Democratic Party Region 7  
California Young Democrats  
[San Bernardino County Democratic Party](#)  
John O'Riordan, Chair, California Democratic Party Irish Caucus  
Myrna Melgar, Supervisor, San Francisco Board of Supervisors  
Debra Baumann, Committee Member, Lake County Democratic Central Committee  
Igor Tregub, Chair, California Democratic Party Environmental Caucus  
Joy Sterling, Chair, California Democratic Party Rural Caucus  
California Young Democrats Environmental Caucus  
Amar Shergill, Chair, Progressive Caucus California Democratic Party  
Michael Kapp, Youth Council Chair, DNC  
Marjorie Olson, Chair, Solano County Democratic Party  
John Comiskey, Co-Chair, Dean Democratic Club of Silicon Valley  
Leah Pressman, Member, Culver City Democratic Club  
Isaac Lieberman, Central Committee Member, LA County Democratic  
Jessica Craven, Central Committee Member, LA County Democratic  
Lake County Democratic Central Committee  
Mike Serrone, Secretary, Sunnyvale Democratic Club  
Courtney Ransom, Director of Membership, San Diego County Democrats for Environmental Action  
Cesar Zepeda, President, West County Democratic Club  
Pamela Drake, Coordinating Committee Member, Wellstone Democratic Renewal Club  
Taisha Brown, Chair, California Democratic Party Black Caucus  
Carolyn Fowler, Chair, California Democratic Party Women's Caucus  
Ann Crosbie, Chair, California Democratic Party Children's Caucus  
Konstantine Anthony, Chair, California Democratic Party Disabilities Caucus  
Amar Shergill, Chair, California Democratic Party Progressive Caucus  
Cecile Bendavid, Chair, California Democratic Party Business and Professional Caucus  
Carlos Alcala, Chair, California Democratic Party Latino Caucus  
Ron Cohen, Chair, California Democratic Party Veterans Caucus  
Ruth Carter, Chair, California Democratic Party Seniors Caucus  
Tiffany Woods, NorCal Co-Chair, California Democratic Party LGBT Caucus  
Deepa Sharma, Chair, Asian Pacific Islander Caucus  
Susan Hildreth, Committee Member, Democratic Party of Contra Costa County Central Committee  
Tonya Love, Committee Member, Alameda County Democratic Party Central  
Eleanore Rewerts, Chair, Yuba County Democratic Central Committee  
Rick DeGolia, Chair, Peninsula Clean Energy Board, endorsing as an individual  
Aaron Bagheri, Delegate, California Democratic Party, AD 24  
Alfred Twu, Delegate, California Democratic Party, AD 15  
Amar Shergill, Delegate, California Democratic Party, AD 9  
Analisa Swan, Delegate, California Democratic Party, AD 43  
Andrea Morgan-Chun, Delegate, California Democratic Party, AD 50  
Andy Kelley, Delegate, California Democratic Party, AD 15  
Angelica Velazquez, Delegate, California Democratic Party, AD 26  
Angela Scott, Delegate 50, California Democratic Party Assembly  
Brian Colker, Delegate, California Democratic Party, AD 50  
Brigette Hunley, DNC Delegate, Chair, California Democratic Party Computer and Internet Caucus  
Carolyn "Jiyoung" Park, Delegate, California Democratic Party, AD 51  
Christine Pelosi, Delegate, DNC  
Crystal Araujo, Delegate, AD20  
Dan Kalb, Delegate, California Democratic Party, AD 15  
Daniel Bral, Delegate, AD 50  
David Atkins, Delegate, DNC  
Democratic Party Delegate, AD 51  
Diddo Clark, Delegate, California Democratic Party, AD 16  
Dotty LeMieux, Delegate, California Democratic Party, AD 10



## Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar

Eric Pierce, Delegate, California Democratic Party, AD 51  
Eric Warmoth, Delegate, California Democratic Party, AD 1  
Fabiola Orozco, Delegate, CDP AD34  
Gabriel Quinto, Delegate, California Democratic Party, AD 15  
Garry Shay, Delegate, DNC  
Hayley Coupon, Delegate, California Democratic Party, AD 51  
Isabel Storey, Delegate, California Democratic Party, AD 50  
Jennifer Esteen, Delegate, California Democratic Party, AD 20  
Jo Ann Bollen, Delegate, California Democratic Party, AD 42  
Jon Katz, Delegate, California Democratic Party, AD 50  
Julissa Ruiz Ramirez, Delegate, California Democratic Party, AD 12  
Keith Umemoto, Delegate, DNC  
Kenji Yamada, Delegate, California Democratic Party, AD 14  
Lindsay Carlson, Delegate, California Democratic Party, AD 54  
Margie Hoyt, Delegate, California Democratic Party, AD 66  
Margo Rowder, ADEM Delegate, AD 43  
Marisol Rubio, Delegate, California Democratic Party, AD 16  
Monica Madrid, Delegate, California Democratic Party, AD 9  
Otto Lee, Delegate, DNC  
RL Miller, Delegate, California Democratic Party, AD 44  
Rocky Fernandez, Delegate, California Democratic Party, AD 15  
Ruscal Cayangyang, Delegate, Assembly District 14 and Fmr. Vallejo School Board President  
Sascha Bittner, Delegate, California Democratic Party, AD 19  
Sean Dugar, Delegate, DNC  
Selene Betancourt, Delegate, California Democratic Party, AD 51  
Stacy Fortner, Delegate, California Democratic Party, AD 38  
Stephanie Terrazas, Delegate, California Democratic Party, AD 57  
Susan Rowe, Delegate, California Democratic Party, AD 5

Susan Sheu, Delegate, California Democratic Party, AD 50  
Susana M Williams, Delegate, AD 11 and CDP E-Board  
Susie Shannon, Delegate, DNC  
Thea Selby, Delegate, California Democratic Party, AD 17  
Wendy Bloom, Delegate, California Democratic Party, AD 15  
Winty Singh, Delegate, California Democratic Party, AD 9  
Candace Andersen, Supervisor, Contra Costa County Board of Supervisors  
Debra Lucero, Butte County Supervisor - District 2, Chico  
John Hidahl, El Dorado County District 1 Supervisor, Placerville  
Rocio Rivas, Delegate, California Democratic Party AD51  
Otto Leem, Supervisor, Santa Clara County, San Jose  
Keith Corum, Supervisor, Glenn County, District 4  
Jim Provenza, Chair, Yolo County Supervisors

### Energy Democracy

CA Alliance for Community Energy  
Clean Coalition  
East Bay Clean Power Alliance  
Electric Auto Assn of Central Coast  
Local Clean Energy Alliance  
Long Beach Alliance for Clean Energy  
Solar Rights Alliance  
The Center for Community Energy  
Vote Solar

### Labor Union

AFSCME Council 57  
American Federation of Teachers Local 1931  
Peralta Federation of Teachers, AFT local 1603  
International Longshore and Warehouse Union  
SEIU-UHW  
SEIU 1021  
UNITE HERE Local 11  
UNITEHERE! 30

### Climate

350 Bay Area  
350 Bay Area Action  
350 Butte County  
350 Conejo / San Fernando Valley  
350 Humboldt  
350 Marin  
350 Sacramento  
350 Santa Barbara  
350 Silicon Valley  
350 South Bay Los Angeles  
350 Ventura County Climate Hub  
California Climate Voters  
Citizens' Climate Lobby - San Mateo County Chapter  
Citizens' Climate Lobby of San Diego  
Citizens' Climate Lobby, Pasadena-Foothills Chapter  
Citizens' Climate Lobby - Long Beach  
Climate Action Campaign  
Climate Action Santa Monica  
Climate First: Replacing Oil & Gas (CFROG)  
Climate Hawks Vote  
Climate Health Now  
Climate Reality: Silicon Valley  
Climate Witness Project California  
Community 2.0  
Conejo Climate Coalition  
Conejo Climate Coalition  
Elders Climate Action, NorCal chapter  
Elders Climate Action, SoCal chapter  
Extinction Rebellion San Francisco Bay Area  
Fossil Free California  
Hammond Climate Solutions  
Let's Green CA!, an initiative of the Romero Institute  
North County Climate Change Alliance  
Northern California Earth Institute  
OccupySF Environmental Justice Working Group  
Oil and Gas Action Network  
Our Revolution East Bay  
ResistanceSF  
Romero Institute  
Sacramento Climate Coalition  
San Diego Climate Hub  
San Francisco Climate Emergency Coalition  
SanDiego350  
Santa Cruz Climate Action Network



## Organizations & Community Leaders in Support of Protecting Solar Net Metering & Continuing to Grow Rooftop Solar

Silicon Valley Youth Climate Action  
SLO Climate Coalition  
Sunrise Bay Area  
Sustainable Mill Valley  
The Climate Center  
The Climate Reality Project, Orange County  
The Climate Reality Project, San Diego  
The Climate Witness Project  
Transition Berkeley

### Environmental Justice

Activist San Diego  
Brightline Defense  
Coalition for Environmental Equity and Economics  
Environmental Justice Coalition for Water Environmental Protection Information Center  
Green the Church  
Home Front Environmental Justice - Morro Bay  
I am Green  
Lakota People's Law Project  
McCord Environmental  
Mujeres de la Tierra  
NorCal Resilience Network  
S.U.N Sustainable Urban Network  
SD Green New Deal Alliance  
Sunflower Alliance  
Sunrise Los Angeles  
Todos Unidos  
Triple Justice

### Environment & Public Health

Acterra: Action for a Healthy Planet  
Active San Gabriel Valley  
Alliance of Nurses for Healthy Environments  
Ban SUP  
BikeSD  
CBFD San Diego Indivisible  
Center for Sustainable Energy  
Change Begins With ME (Indivisible)  
Civic Sundays  
CleanTech Docs, Inc.  
Cloverdale Indivisible  
Code Pink  
Diablo Water District Resolutions  
East Valley Indivisible  
Eco Active 101

Environment California  
Environmental Center of San Diego  
Environmental Health Alliance  
Environmental Working Group  
Estriatus Law, PC  
Feminists in Action (Indivisible)  
Food & Water Watch  
Glendale Environmental Coalition  
Global Self Science Mr.j 8 J  
Go for the Green Strategies  
Hillcrest Indivisible  
Indivisible 41  
Indivisible 49  
Indivisible CA Green Team  
Indivisible CA-33  
Indivisible CA-37  
Indivisible CA-43  
Indivisible Claremont/Inland Valley  
Indivisible Conejo  
Indivisible East Bay  
Indivisible Fortuna  
Indivisible Fortuna  
Indivisible Healdsburg  
Indivisible Manteca  
Indivisible Media City Burbank  
Indivisible Mendocino  
Indivisible Napa  
Indivisible Normal Heights  
Indivisible Ocean Hills  
Indivisible Resistance Northridge  
Indivisible Resistance San Diego  
Indivisible Resisters Walnut Creek  
Indivisible Ross Valley  
Indivisible Sacramento  
Indivisible San Diego Persist  
Indivisible San Francisco  
Indivisible San Jose  
Indivisible San Pedro  
Indivisible Santa Cruz County  
Indivisible Sonoma County  
Indivisible South Bay LA  
Indivisible Stanislaus  
Indivisible Ventura  
Let's Green CA!, an initiative of the Romero Institute  
Livermore Indivisible  
Mariposa Ranch Foundation  
Menlo Spark  
Mothers Out Front  
NorCal Broads  
Northcoast Environmental Center

Orchard City Indivisible  
Pacific Environment  
Defend Ballona Wetlands  
Protect Our Communities Foundation  
Rise Up To Action  
Rooted in Resistance (Indivisible)  
Safe Alternatives for our Forest Environment  
San Diego Urban Sustainability Coalition  
San Francisco League of Conservation Voters  
SF Bay Physicians for Social Responsibility  
South Bay Sustainable Communities Network  
Stand Strong LA Indivisible`  
Stand.earth  
Sustainable Claremont  
The Amargosa Conservancy  
The Surfrider Foundation San Diego County Chapter  
TWW Indivisible Los Gatos  
TWW Indivisible Los Gatos  
Venice Resistance  
Watershed Alliance of Marin  
ZEV 2030

### Farms

4-S Farms  
Allan Bittleston  
Chiatri de Laguna Farm  
Farmland Reserve Inc  
Hinkley Dairy  
McKean Farms  
Markarian Family LP  
Sol Vista Farms  
Travaille & Phippen

## EXPERT BLOG › MOHIT CHHABRA & JULIA DE LAMARE & MERRIAN BORGESON

### A Four Point Guide to California's Net Metering Update

November 18, 2021 [Mohit Chhabra](#) [Julia de Lamare](#) [Merrian Borgeson](#)

The California Public Utilities Commission (CPUC) is evaluating [proposals](#) and deliberating what California's next solar net energy metering policy (NEM 3.0) should be. At the heart of this policy debate lie the questions: what should rooftop solar customers be paid for the electricity they generate? And how should the costs of the electric system that we all depend on be shared among customers with and without rooftop solar?

A proposed decision is expected by mid-December.



Susan Bilo via NREL, 21410

As we've [explained](#): Current NEM is a simple policy that was designed to encourage early market adoption of solar and reduce carbon. However, as the solar market has boomed in California and solar costs have dropped, it is time to update this policy to avoid inequitable impacts that if left unchecked will make it harder to achieve California's climate and air quality goals. Do read that [blog](#) first if you're new to this issue.

**A solution is possible that values the contribution of rooftop solar to California's clean energy future, while more fairly sharing electric system costs among all customers.**

As a NEM 3.0 proposed decision looms, here are four key-points to consider:

- Rooftop solar customers are pushing electric system costs onto non-solar customers
- NEM benefits have largely gone to wealthier customers

<https://www.nrdc.org/experts/mohit-chhabra/four-point-guide-californias-net-metering-update>



- It is vital to equity and climate progress to ensure affordable electric rates
- Smart policy can support the continued growth of rooftop solar while achieving more equitable outcomes

## **Rooftop solar customers are pushing electric system costs onto non-solar customers**

Currently, NEM overpays for rooftop solar by up to four to six times the value of the electricity these panels generate. See the example of San Diego in [our previous blog](#). This is after accounting for climate benefits of clean electricity, and the benefits of reduced need for electric grid investments – transmission and distribution – due to rooftop solar. Investor-owned utilities in California simply pass through the costs of electricity that they purchase or generate, so any excess payments for rooftop solar get passed onto other utility customers.

Because these overpayments are largely paid by customers who don't have solar, they increase electricity rates and bills for these customers. A recent [Next 10 report](#) estimates that non-solar customers pay anywhere between \$60 to \$200 more per year than they should be due to NEM overpayments. This issue is most pressing in San Diego where the report estimates that more than 15% of residential rates are due to NEM overpayments. NRDC's own analysis produced very similar estimates.

Multiple other experts conclude the same. Haas Energy Institute at UC Berkeley has extensively [written](#) about this issue; Massachusetts Institute of Technology released a [podcast](#) on how and why NEM causes these inequities; California's consumer advocates – [The Utilities Reform Network](#) and the [Public Advocates Office](#) – arrived at similar conclusions and are advocating for NEM reform alongside NRDC; the [CPUC identified](#) NEM overpayments as one of a few prominent reasons for rising electricity rates. And most recently, the Sierra Club has also explained [that](#) NEM overpayments are covered by those “who do not, or cannot, adopt rooftop solar themselves.”

## **NEM benefits have largely gone to wealthier customers**

Solar adopters are disproportionately wealthy and white according to recent [data](#). In California, the bottom 40% of earners [account for only about 13%](#) of NEM customers. Although there has been a slight improvement in adoption trends by income class in the last few years, adoption trends are still nowhere close to being equitable. NEM is overly benefiting the wealthy at the expense of the poor.

Current NEM policy also doesn't overcome many of the barriers disadvantaged communities face to adopt solar. It's expensive upfront to install even though solar panel costs have been declining, installing solar can require roof repair and additional electric upgrades that can add costs, and many lower-income Californians are renters who don't have a say in major upgrades. This issue hasn't gone unnoticed. Environmental justice advocates have issued a [statement](#) acknowledging that their “communities have experienced structural barriers in accessing and benefiting from NEM. Data shows that NEM disproportionately benefits wealthier, white, single-family homeowners.”

The CPUC's [recent paper](#) identifies “revenue shifts to lower-income non-participants from Net Energy Metering (NEM) and other DER” as something that must be actively managed for vulnerable customers.

### **It is vital to equity and climate progress to ensure affordable electric rates**

Overpaying for rooftop solar is raising overall electric rates. Because lower income people pay more in utility bills as a percentage of their income than wealthier people, higher electricity rates are a significant burden. Coming out of this pandemic induced recession, vulnerable Californians are already facing an [electricity affordability crisis](#): there is more than [one billion dollars](#) in utility debt among vulnerable communities.

Higher electric rates are also a problem for decarbonizing our economy. Transitioning from fossil fuel-guzzling cars, and gas-burning furnaces and water heaters to those powered by clean electricity are key tenets of fighting the climate crisis. If electricity becomes more expensive than fossil fuels, then it'll become harder for Californians to electrify their vehicles and homes.

Research shows (see slides 11 and 12 [here](#)) that electric rates are already making electrification a tougher proposition than it should be.

### **Smart policy can support the continued growth of rooftop solar while achieving more equitable outcomes**

To attain our clean energy goals, we need more solar electricity. But we need to do this the right way so that rooftop solar benefits *all* Californians, not only the wealthy. To that end, NEM 3.0 needs to be based on the actual benefits rooftop solar provides, support solar development where it most benefits the grid, encourage pairing solar with storage, and prioritize subsidies to lower income customers.

[NRDC's proposal](#) aims to address these needs by adjusting NEM payments to their true value, implementing an up-front subsidy that allows solar adopters to make back their investment within ten years, providing extra NEM benefits to low-income customers, and creating an equity fund to buy-down solar and other clean energy upgrades for disadvantaged communities.

NRDC also supports [Joint Recommendations](#) developed through negotiations with the [Public Advocates Office](#), [The Utility Reform Network](#), labor representatives, [California Wind Energy Association](#), and the [Independent Energy Producers Association](#).

There are two main differences between these recommendations and NRDC's proposal. The Joint Recommendations contain a time-limited “transition” NEM rate, which splits the difference between current policy and NRDC's proposal to give the solar industry time to transition to a NEM 3.0 policy. And the Joint Recommendations also ask for a managed transition for existing NEM customers to NEM 3.0. Both NRDC's proposal and the Joint Recommendations focus on the residential sector.

These proposals take a holistic view of how to make renewable energy more affordable for all Californians. They will also help California get to its economywide decarbonization goals in a more timely and equitable manner. This is the balanced solution that the state needs.

## EXPERT BLOG › MOHIT CHHABRA

### California's Net Metering Reform: Necessary, Accurate, Fair

December 14, 2021 Mohit Chhabra

Net metering, which charges customers for energy consumed less the amount their solar panels produce, is a critical tool for advancing distributed solar. As the market takes off, as it has in California, this important policy must be kept up to date. Currently in California, it overpays solar customers and shifts fixed grid and societal charges that solar customers should pay onto other customers. This [inordinate rate increase](#) is unique to California and a sign of NEMs success, but it cuts against affordability and makes electrification of cars and buildings – critical to meet our decarbonization goals – a harder proposition.



The CPUC's [Proposed Decision](#), if adopted, would institute significant reforms to the Commission's net metering (NEM) rate for residential customers with rooftop solar. This proposed decision is the culmination of a year-long proceeding at the CPUC.

The proposed decision modernizes California's NEM policy to meet the state's evolving electric grid and clean energy needs in a cost-effective and equitable manner. It accomplishes this by:

- Adopting more accurate price signals which encourage customers to pair rooftop solar with storage. Paired systems will help California ensure grid reliability and displace polluting fossil fuel generation that ramps up after sundown.
- Targeting a payback period of ten years for new storage and solar customers through electric bill savings.
- Providing cash incentives to customers on existing NEM rates to install storage if they voluntarily move to this new more accurate net billing tariff.

- Creating a novel equity fund with up to \$600 million to improve low-income customer access to distributed clean energy programs with strong consumer protections.

Additional details of this new Net Billing Tariff are [summarized here](#) by the CPUC.

The Proposed Decision conducts a thorough evaluation of all competing proposals and expert testimony to reach [a balance](#) between further incentivizing rooftop solar and residential storage to meet our clean energy goals, promoting equitable rooftop solar and storage adoption, and making sure that these subsidies don't unduly burden Californians that don't have or cannot get rooftop solar.

The CPUC will vote on this proposed decision on January 27<sup>th</sup>, 2022 at the earliest.