

REFLECTING ON 2021

In 2021, the solar and storage industry of California showed mettle. Faced with repeated attacks on multiple fronts, the nation's largest group of clean energy businesses rose to meet those threats headon, all while installing more behind-the-meter solar as well as more behind-the-meter storage statewide than in any previous year. All this amidst a continuing global pandemic, supply chain crisis, and economy-wide worker shortages.

The "best of times, worst of times" story of 2021 is not surprising. Greater numbers of consumers demanded cleaner, more reliable energy in 2021 than ever before and the industry met that demand with ever-improved products and services. Meanwhile, having "been to this rodeo before", the distributed solar and storage industry recognized the anti-competitive threats coming from the utilities, and quickly mobilized itself and its consumers to fight back.

What made 2021 unique was both the scope and scale of the attacks. Net metering, a foundational policy, was attacked in rapid-fire succession at the Public Utilities Commission (CPUC), in the legislature, and at the state's 5th largest utility, SMUD, in Sacramento. In addition, the utilities went after contractor licensing at the Contractor State Licensing Board (CSLB).

What's more, the utilities executed this multi-pronged attack not as themselves – unpopular messengers in the proverbial public square – but through a small group of surrogates: the union, the professor, the ratepayer watchdog, and the environmental group. The big three – Sempra, Edison, and PG&E – made a Machiavellian attempt to once and for all shove "the competition", as they see it, over a cliff.

But the CALSSA community rose to the challenge and not only fought back directly but, for the first time, helped to mobilize our consumers to come down onto the battlefield and fight for themselves as well. The results were spectacular – defeating a seemingly invincible bill, getting Governor Newsom to disown the tarred and feathered solar tax, and winning a legal battle at the CSLB.

On the following pages, you'll read some of the highlights of this past year. There is much to be proud of. Yet, as we write this letter, the fight continues unabated. So far, 2022 is shaping up to be an even bigger year – both the good and the bad – than 2021. Amidst all this turmoil and hullaballoo stands the power of working together. Thank you for your support.

Onward and upward!

Bernadette Del Chiaro

Executive Director

Balchan

Ed Murray

Board President

Edmond S. Murry

OUR TEAM



Bernadette Del ChiaroExecutive Director



Brad HeavnerPolicy Director



Elise De Grande Operations Director



Josh Buswell-Charkow
Deputy Director



Carter LavinMembership Director



Meghan Vincent-JonesMarketing Director



Ben Davis Policy Associate



Kate Unger Senior Policy Advisor



Igor TregubSenior Policy Advisor



Leo WallachPublic Relations
RALLY

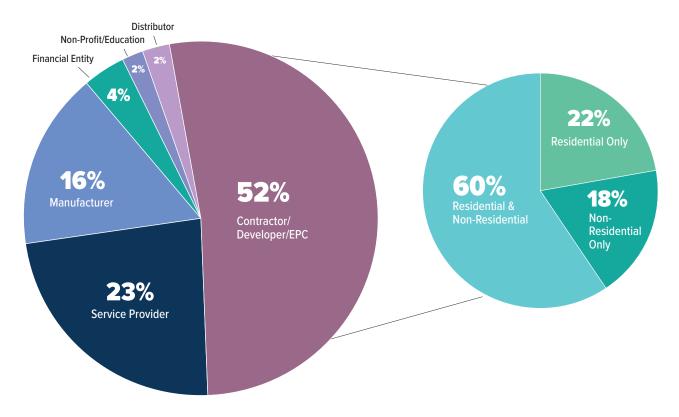


Kim Stone Lobbyist Stone Advocacy



Donald SimonLegal Counsel
Wendel, Rosen, Black & Dean LLP

OUR MEMBERS



127 Energy LLC 180 Solar Power 1SolarRite A-1 Contractors

A-C Electric Company A.M. Shine Electric Inc.

A.M. Sun Solar, Inc.

A1 Sun, Inc.

Aardema Electric & Construction Corp.

ACIP Energy

ACR Solar International Corp

Action Energy

Adams Solar Electrical And Electric

Addy Electric

Advanced Conservation Systems, Inc.

Aerocompact Inc.

Aerotek

Aeterna Energy, LLC Aguillon Enterprises LLC Alacrity Energy LLC Albion Power Company, Inc.

ALIVE Solar & Roofing All Save Energy All Valley Solar Inc.

Allied Energy Allterra Solar Allume

Alpha Energy CA

Alpha Energy Management Inc.

AlsoEnergy Alta Solar

Altadena Energy & Solar Inc

Altair Solar Inc.

Alternate Energy Technologies, LLC Alternative Energy Systems (AES Solar)

AltSys Solar Inc Ambrose Solar

Ameco Solar Inc

Ameresco

American Solar Corporation

Amped Solutions, Inc.

AMPWRX Antenna Group

Apex Natural Renewable Generation, LLC

Apex Solar APG Solar

Applied Building Science Applied Solar Energy

Aquatherm Industries, Inc.

ARAM SOLAR Arcadia Solar

Arnold Solar Inc

Arrow Energy Solar Systems

Arvo Solar

Associated Community Solar Sciences

Corporation Atmos Financial Auburn Solar Aurora Solar Inc. AutoGrid Systems, Inc. Auxin Solar

AWS Electrical & Solar Inc.

Axis Solar Design Aztec Solar B & B Solar Inc

Baker Electric Home Energy

BARIL Engineering Barrier Solar Inc. Base Energy, LLC Battery Solutions

BayWa r.e. Solar Systems LLC

BBL Solar Design Bear Solar Inc. Beeson Solar Electric Berger Solar Electric, LLC

BidList

Bland Solar and Air

Blu Banyan

Blue Planet Energy

Blue Planet Water & Power Co Inc

Blue Sky Solar

Blue Sky Utility LLC

Bodhi

Booth Construction BOS Developments

BPi

Brady Law

Brandon Carlson Electrical Consulting

Bright Power BrightOak **Brighton Energy Brooks Engineering** BSW Roofing, Solar and Air

Building Energy and Power Solutions

Burnham Energy Inc.

BVI Solar BYD Energy Byers Solar

C.E. Solar - A Division of Connector Electric

CA Solar Group Caiman Engineering Inc. Cal Paso Solar Electric Cal-Sun Construction, LLC CalCom Energy

Cali One Services

California Clean Energy LLC California Solar Electric Company California Solar Electric Systems, Inc. California Solar Innovators dba CalSolar

California Solar Installers

EnelX CalSolar, Inc. Hoymiles Canyon Construction Services Energport, Inc HPM Solar Inc Capital City Solar **Energy Construction Services** Hyperion Solar **Energy Loan Network** Hyperlight Energy Capital One Castone Roofing and Construction, Inc. Energy Toolbase I Love My Solar EnergyBin IAPMO Catalyze CDF Labor Law LLP EnergySage **IGS Energy CED Greentech ENGIE North America** IMO Automation Enphase Energy Inc. Cenergy Power Indaspec, LLC Centrica Business Solutions EPC Power Corp. Independent Electric Supply Century Roof & Solar **EPX Group** Infinity Energy Cervus Inc Ergosun International Code Council (ICC) Charged Up Energy Esquared Electric Inc Intertek CHERP Inc. Extensible Energy Invinity Energy Systems Chico Electric EZ Solar IronRidge Ivy Energy FAFCO Chico Solar Works Chint Power Systems FBC Solar James G. Parker Insurance & Associates Cinnamon Energy Systems, Inc. Feather River Solar Electric Javkin LLC Citadel Roofing & Solar JDS Power, Inc. Clayco Electric, Inc Firebrand Safety Systems, Inc. JinkoSolar (U.S.) Inc. Clean Energy Solar Direct Firefly Energy JKB Energy First Edison Clean Energy Solutions of CA Johnson Controls Clean Point Energy First Response Solar Jonas Energy Solutions Clean Solar Folsom Labs JTG/Muir CleanSpark ForeFront Power Jua Capital CleanTech Docs, Inc. Fortress Power Just Leaks CleanTech Energy Solutions Inc Fortune Energy K & D Electric, Inc. CleanView Capital K2 Clean Energy Capital, LLC Freedom Forever ClearSpot Energy FreeVolt USA Inc K2 Systems Climatec, LLC Fresource Energies Inc. dba Santa Ynez Valley Kahn Solar Coast Energy Solar Kenwood Energy Cobalt Power Systems Inc Keyes & Fox LLP Fronius USA KG Solar Solutions CollectiveSun Funds4Solar **FUSION POWER DESIGN** Communication Infrastructure Corporation King Energy Cool Earth Solar **GAF** Energy Kitu Systems, Inc. Corda Solar LLC Genability, Inc. Klein Power Electric Core Energy Group, Inc Generac Power Systems Koben Systems Inc. Generate Capital Kohler Company Cosmic Solar Cross Consulting Services Geo-Engineering Solutions Inc. Kramer PV Associates, Inc Crown Road Energy, LLC GetTheReferral.com Kuubix Energy CSA Group GigaWatt, Inc. LA Sun Partners Ginlong Solis USA CSE (Center for Sustainable Energy) Laketricity Go Electric Inc. LarSun Solar **Current Home** Current Renewables Engineering Inc. Gold Electric, Inc. Layered Conceptz Gold Rush Energy Solutions Legacy Risk and Insurance Services Custom Power Solar Darfon America Corp. Golden Energy Lets Get Solar Day One Solar Golden State Solar Inc LG Electronics U.S.A. Inc. LG Energy Solutions Michigan, Inc. DC Solar Electric Good Sun dcbel LLC GoodLeap, LLC. Lion Energy Demand IQ LONGi Solar GoodWe DG+Design GoSolarPros Lumen Energy, Inc. Gr8 Energy Diablo Solar Services Lumin Digital Power Corporation Graybar Luminace Great Circle Solar Management Corp Discover Battery Luminalt Energy Corporation Distributed Energy Innovation Green Convergence Lyra Solar Dividend Finance, LLC **Green Power Pros** M Bar C Construction, Inc. DSD Renewables GreenPACE Capital Madison Energy Investments EagleView Greenskies Clean Energy (DBA CleanFocus) Magic Sun Solar Inc. Earth Electric Incorporated GreenStruxure Main Street Launch East Penn Manufacturing / MK Battery Malden Solar Greenwork Eastridge Workforce Solutions **GRID Alternatives** Marshall DC Lighting Eco Energy Growatt USA Inc. Martin Herzfeld Eco Foundation Systems Inc. Halvorsen Solar Service Martin Webb Consulting EcoDirect, Inc. Hammond Climate Solutions Matadors Community Credit Union EcoFasten an Esdec Company Harmony Air Inc Maxout Renewables EcoMotion Harness Power Mayfield Renewables **EDF** Renewables Harrison Electric & Solar MBC Renewables MBL Energy

EDPR NA Distributed Generation Haven-Electric, Inc Effect Energy Inc **HDM** Renewable Finance EFI Electric

HeatSpring Eguana Technologies HES Solar Electrical Works Etc. Highline Builders Electriq Power Highpoint Solar **Elevation Energy** HMH Energy Resources, Inc. Home Run Financing EliteSolar

EMCOR Mesa Energy Systems

Empire LE

ENACT SYSTEMS INC

Hot Purple Energy Mid-State Solar Hot Watts Technology Milestone Risk Management

McCalmont Engineering

McPherson Engineering

MD Electric & Solar Inc

Measure The Sun

Mel Bradley Electric

Mendocino Solar Service

Michael & Sun Solar Inc

MEI Renewables

Hooked On Solar

2021 MEMBERS (con't)

Mission Solar Electric Mission Solar Energy

MMCISolar Modernize Power Mohr Power Solar Momentum Solar Morpho Energy Mosaic

mPower Energy Mr. Roofing Mynt Systems naak Power Partners

NABCEP Nabu Energy LLC Nationwide Sun Natron Resources Inc.

NeoVolta New Day Solar

New Gen Energy Corporation

Newfront Insurance Newport Power Nexamp, Inc. Next Energy Next Phase Electric Next Solar Inc Nexus Solar Nor Cal Solar

NorCal Home Systems North Bay Solar Services North Coast Solar (Energy Equity) Northern Electric and Power LLC Northern Pacific Power Systems

Nova West Solar NovaSolix, Inc Noyo Electric and Solar

npc Solai

Nuance Energy Group, Inc.

NuLife Power Nuvation Energy

O'Connell Solar Consulting O&M Solar Services, LLC Occidental Power Solar & Cogen

Ohm Analytics OMG Roofing Products

Omni Energy Solutions, Inc.

Omnidian Onswitch, Inc. OpenEGrid OpenSolar Option One Solar

Orange County Photovoltaics

Origami Solar Inc. OutBack Power

Owen Dunn Insurance Services

P.J. Erwin Electric
Pacific Energy Company
Pacific Power Solutions
Pacifico Power LLC
Packetized Energy
Paladin Power Inc
Palmetto Clean Tech
Palomar Solar Ltd

Panasonic Corporation of North America

Pathion
Pause Grid
PCL Construction
Peak Demand Inc
Peak Power USA
Pearl Certification
Pegasus Solar, Inc.

People Power Solar Cooperative

PermaCity Corp Perpetual Power Photon Brothers Photon Stellar

Photosol US Renewable Energy

Photosol US Renewable
Photovoltaics California
Pick My Solar Corp.
Pickett Solar
Pioneer Solar
Pivot Energy
Planet Plan Sets
Planet Solar Inc
PlexiSun Ltd

POCO Solar Energy Inc.

Polar Solar POMCube Inc. Portable Solar Inc. Power-Structures LLC Powers Engineering Powersmiths PowerTree Powur

Premo Roofing & Solar

Prologis

Promise Energy, Inc.

ProSolar (Professional Solar Products)

Pure Power Engineering Pure Power Solutions PV Designers PV-Cables, Inc. PVComplete Inc. PVH (PV Hardware) PYCEM, INC. Q CELLS

Quality Home Services

Quativa

Quattro Solar, Inc.

Quest GeoSystems Management, Inc.

QuickBOLT R.T. Maher Construction Radiant Solar Technology, Inc. RaGen Energy Partners

Raneri & Long RBI Solar, Inc. RCA Electric RE-volv

Ready Home Energy Real Goods REC Americas LLC Redaptive

Redwood Energy Rehab Solar Construction Reimagine Power

Rem Electric
Renew Financial
Renewable America

Renewable Construction Services Inc. Renewable Energy Partners, Inc

Renewable Energy Test Center, RETC LLC

Renewable Solar, LLC Renova Energy Corp.

Renvu Solar Equipment Distribution

Repower Yolo RePurpose Energy Revel Energy Rexel Gexpro

Rheem Manufacturing Company

Rise Energy

Rivian

Rod Bergen P.E.

Ron Dorris Electric & Solar

Roof Tech Inc.
Rosendin Electric
RowCheck
RST Cleantech USA
Run on Sun

S-5! S-PACE

Sage Energy Consulting San Diego County Solar San Diego Solar Inc. Sandbar Solar

Santa Cruz Solar Sattler Solar Inc. Saveco Solar Sawmill Solar Electric SC-RISE, CE-CERT Scale Microgrid Solutions

Scanifly, Inc. Schneider Electric

Scudder Solar Electrical Energy Systems

Scurfield Solar & Heating

Seal Bond

Second life Lithium

SEG Sustainable Energy Group Select Solar Professionals

Semper Solaris SepiSolar, Inc.

Service Finance Company LLC Sespe Power Solutions Shade Power LLC Shorebreak Energy Developers

Sierra Pacific Home & Comfort

Silfab Solar

Silverline Home Remodeling Inc

Simmitri SimpliPhi Power Simply Solar Sky Power Solar SLO Sun Energy SMA America, LLC. Smarter Grid Solutions

Socomec

Sol R US Electrical Engineering

Sol Rebel Sol Systems Sol-Ark

Sol-Tek Industries, Inc.

SolAdvisor

Solahart Industries Pty Ltd

Solar Bill Review Solar Carports Direct Solar CFO

Solar Deployed LLC Solar Design Studio

Solar Energy International Solar FlexRack Solar Forward Solar Gain West Solar Harmonics Solar Insure, Inc. Solar Lead Profits

Solar Motion Solar Optimum Solar Power Supply Solar Price Discovery Inc Solar Pro Energy Systems Solar Recombiner, Inc. Solar Renewable Energy Solar Richmond Solar Savings Direct Solar Self-Install Solar Sense PV, Inc. Solar Source Inc.

Solar Support Structures Solar Symphony Solar Technologies Solar Tools USA Solar Unlimited Inc

Solar Vast

Solar Wholesale Group

Solar Works

Solar-Log by Solar Data Systems

SolarCraft Solare Energy, Inc. Solare Power

SolarEdge Technologies

SolarGem Electrical SolarGnosis SolarHut, LLC

Solaria Solaris Energy SolarNexus, Inc.

SolarNorcal, LLC DBA Excite Energy

SolarOPS - Radiocap Corp

Solarponics, Inc SolarReviews.com SolarShoppers SolarWakeup Solid California Soligent SolMicroGrid SolRx Energy Soltection

Soltell Systems Sonnen Inc.

SoundView Risk Advisors

Source Solar, Inc.

Span.IO

Spectrum Energy Development, Inc

Spreck Energy Sprig Electric Stable Solar, Inc. Stada Energy Standard Solar Star GREC LLC Station A, Inc. Steiner's Solar Stellar Solar Stem, Inc.

Summit Technology Group, Inc.

Sun Light & Power

Storz Power

Sun Pacific Solar Electric, Inc

Sun Solar Electric SUNAI Inc

Sunbank Solar, Inc.

Sunbrook Solar Power & Electrical Systems

Sundam Energy SunEarth, Inc.

Sungage Financial, Inc. Sungenia Solar Solutions Sungenix Energy Solutions SunGreen Systems Inc. Sunlight Financial Sunlight Solar Inc SunMade Energy

Sunmizer Solar Roofing Systems

SunModo Corp.

Sunnera

Sunnova Energy Corporation

Sunny Solar Power SunPower by esaSolar SunPower By Sun Solar Sunpower Corporation

Sunpro Solar Sunpro Solar Inc Sunrise 805

Sunrise Solar Company

Sunriver Solar Sunrun

SunSolar U.S. Inc. SunSpark Technology Inc

SunSpec Alliance SunSystem Technology Suntegrity Solar Sunterra Solar Inc Sunthurst Energy, LLC Suntrek Industries, Inc.

SunVantage Sunwealth Power Inc.

Sunworks, Inc.

Sustainable Technologies Sutton Enterprises Swell Energy

Swezey Energy Consulting Symmetric Energy LLC Synergy Home Improvement

Synergy Power

Synergy Solar & Electrical Systems Inc.

Synergy768

Syserco Energy Solutions, Inc Tamarack Solar Products

Tangerine+

Taylor Energy Systems, Inc.

Tenco Solar, Inc. TerraCurrent

TerraVerde Energy, LLC

Tesla

The Climate Center The Energy Coalition

the r&d lab

The Solar Contractor The Solar Energy Company

The Solar Quote

ThinkWire Energy Services

Tier1 Power Tigo Energy, Inc. Titanium Solar LLC ToolBelt, Inc. Transform Energy

Transform Power TransUnion Treeium Treepublic

Triad Power Solutions LLC

True Power Solar TruSource Energy UL LLC

UMA Solar Inc. Unico Solar Investors Unified Solar and Roofing

Unique Solar UNIRAC, Inc. UnThink Solar

US Green Energy Technologies Inc.

US Solar Distributing Inc

UtilityAPI V3 Electric Vasco Solar Energy

Vector Green Power and Materials LLC

Vector Structural Engineering

Verdera Partners, Inc.

Veregy Verse

Villara Building Systems

Vital Energy Volt Modern Voltaic Power

VSUN SOLAR USA INC

Walter Mortensen Insurance/INSURICA

WattMonk

Watts Battery Corp

Watts New Under the Sun, Inc.

We Recycle Solar Weber Energy Group Wendel Rosen LLP Wenger Ventures WESCO Distribution

West Coast Project Management

Westcoast Solar Energy Westhaven Solar WG Contracting White Pine Renewables

William S Adelson Consulting Wing Solar & Wood Energy, Inc. Wired Into the Future Inc.

Wivity Inc. Wunder Capital XCG Solar LLC Xero Solar

Yaskawa - Solectria Solar Ygrene Energy Fund

Yotta Energy

Your Energy Solutions Your SolarMate YourSolarPlans, Inc. Zenernet

Zero Down Solar Inc Zilla Corporation

OF CA STORAGE PROJECTS INSTALLED BY A CALSSA MEMBER



80% OF CA PV PROJECTS **INSTALLED BY A** CALSSA MEMBER

NEM 3: THE BIGGEST FIGHT IN CALIFORNIA SOLAR HISTORY

The Net Metering "3" fight got underway in January and continued at an unprecedented pace through December. CALSSA, together with a coalition that grew in numbers and strength throughout the year, led the campaign to defend California's solar and storage market from attacks by the investor-owned utilities and their political surrogates.

At the California Public Utilities Commission, there were 29 organizations and businesses participating in the proceeding, the biggest and most powerful of which were lined up against us. CALSSA submitted over 25 filings totaling more than 1,000 pages and participated in 2.5 weeks of oral arguments and cross examination of witnesses. Because our opponents were well-resourced, our work had to be even more carefully researched and written than usual.

Outside the CPUC, we helped organize the largest and most powerful clean energy coalition in California history that garnered national and statewide media attention throughout the year. Together, we defeated what was thought to be a seemingly invincible anti-solar bill in the legislature, and helped build a diverse and active coalition that included 26 members of congress, 22 state legislators, over 100 local elected officials and city councils, over 100 democratic party delegates, and more than 400 community, faith, equity, environmental, climate, and labor unions.

These photos and timeline capture just a fraction of the coalition-wide work and activity from 2021.



Campaign Launched and website created: SaveCaliforniaSolar.org



Public Opinion Poll: 80% of voters support NEM

March

Parties Submit NEM 3 Proposals: IOUs Push Solar Tax & 5 Cents Export Credit

The Fresno Bee: "Solarpower is the future. So why might California regulators make it less appealing?"

April

Former CPUC Commissioner turned PG&E lobbyist, in LA Times:

"California has outgrown its solar rules. Utilities want a fairer system."

AB 1139 (Anti-NEM bill) introduced. First Committee Hearing Passes 12-0

May

Sacramento Bee: "Jonathan Scott: California must protect rooftop solar from utilities' agenda."

No on AB 1139 Rally & Motorcade

AB 1139 Passes 2nd Committee 10-4



June

Utility Profit Grab Protest at CPUC

AB 1139 is defeated on Assembly Floor! Vote of 27 yes - 27 no - 25 abstain

Solar Power World: "CA assembly bill attempting to alter netmetering credits fails to move forward."



July

NYT: "More Power Lines or Rooftop Solar Panels: The Fight Over Energy's Future."

Testimony For and Against NEM 3 Proposals

August

Clack Report Released Showing Rooftop Solar Will Save \$120 billion

Closing Arguments For and Against NEM 3 Proposals

September

400+ Coalition Letter Supporting NEM Submitted to CPUC & Governor

Los Angeles Sentinel: "Policymakers should support policies that make it more affordable for everyone to access rooftop solar."

October

TV, Radio Ad Campaign Begins



November

•

Orange County Message in Sand "Gov: Solar, Not Oil"



December



LAT Editorial: "Don't turn the lights out on California's solar rooftop revolution."

Los Angeles Times

Editorial: Don't turn the lights out on California's solar rooftop revolution

BY THE TIMES EDITORIAL BOARD

California is betting big on a not-too-distant future in which burning fossil fuels to cool homes or propel cars is just a bad memory, and all power comes from clean, renewable sources like the sun, wind and water. It's a bold goal that will require visionary and sometimes uncomfortable leadership to achieve.

CPUC Issues Proposed Decision: \$700/ year Solar Tax+ 5.6 cent Export Credit

Human Billboard 100k Public Comments Delivery Event



2021 PROGRAM HIGHLIGHTS

Net Metering

The battle of NEM-3 dominated CALSSA's work in 2021, as described on the preceding pages. It is hard to overestimate the organizational strain this caused, but somehow we managed to engage in many other important policy debates.

Contractor Licensing

The Contractors State Licensing Board voted to restrict C-46 solar contractors from installing energy storage in July, effective in 90 days. In response, CALSSA took the unprecedented action of suing CSLB alleging this decision was an illegal underground regulation. CSLB stayed their decision as a result of our lawsuit, and is overseeing a stakeholder negotiation that will continue to demand a lot of our time and attention in 2022.

Virtual Power Plants

At the end of 2020, there were 760 MW of customer-sited energy storage installed in California. This is collectively the biggest battery in the world and enough to forestall a statewide energy shortage. CALSSA submitted a proposal for virtual power plants in a program that compensates customers for discharging batteries when the grid is nearing blackout conditions. Elements of the proposal were included in a new summer reliability pilot program, but much work continues to be needed to compensate customer systems as a grid resource.

In a series of 35 meetings throughout the year, CALSSA negotiated new real time pricing rates with PG&E, and also pressed for such rates for SCE and SDG&E. Hourly rates set the day before

will allow aggregators to provide additional savings to customers with energy storage.

New Construction Mandate

We worked with the California Energy Commission to refine their proposal for a solar and storage mandate for new commercial buildings and to see it through to adoption despite strong opposition. The mandate takes effect for permits pulled after January 2023, and is projected to lead to 280 MW of additional solar and 400 MWh of additional energy storage. CEC also adopted our proposal for storage-ready homes.

Permitting

SolarAPP officially launched in 2020, with Pleasant Hill as the first jurisdiction to go live in May and three others following by year's end. CALSSA has worked with the National Renewable Energy Laboratory for several years to create this automated permitting software for small solar and energy storage systems. In the Legislature, we won approval for a new \$20 million grant program to help cities and counties adopt SolarAPP.

Codes and Standards

CALSSA sponsored and passed AB 1124 to change the definition of solar in several laws to include canopies and shade structures. These systems are now subject to the caps on permit fees, and jurisdictions cannot deny them for reasons outside of health and safety issues.

Our proposal for vehicle impact protection for batteries in garages was codified into the 2024 International Fire Code, and we then got it incorporated into California code beginning



Photo courtesy of Renova Energy

January 2023. The code was ambiguous previously and some jurisdictions were imposing unreasonable requirements in nearly all garages. The updated code exempts batteries on side walls and the top half of the back wall in most cases, and limits the bollard or curb size if they are required.

CALSSA also launched a proposal to decrease spacing requirements for battery placement that will come to a vote next year.

Interconnection

The CPUC issued the last of four decisions adopting 82 changes to Rule 21 and related interconnection practices that have been negotiated in a process spanning four years. Implementation of those changes is ongoing, and includes documenting and improving timelines, using power control systems to ensure export limits, screening projects according to transparent hosting capacity values, and a simplified application process for solar on new construction. We also helped reduce new interconnection fees for LADWP.

Solar Water Heating

We helped design a new residential solar water heating incentive program for SoCalGas that went live in December. After the end of the CSI-Thermal program in 2020 California did not have any solar thermal programs. We hope to expand the SoCalGas program beyond single-family residential and use it as a model for other utilities.

In the 2022 building standards update, we convinced the California Energy Commission to give more envelope compliance credit for buildings with solar water heating.

Legislative

CALSSA monitored hundreds of bills in Sacramento, some helpful and some harmful for solar and storage. In addition to those mentioned above – the anti-NEM bill, the solar canopy bill, and \$20 million in the budget for SolarAPP – we worked on legislation that impacts the new construction mandate, storage funding, virtual power plants, main panel upgrades, PV recycling, electric system planning, PACE funding, microgrids, and much more.

Our fact sheets and webinars are available on our website at **www.calssa.org/members-only.** Be sure to use these resources to stay informed.

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Rick Reed SunEarth



Jeff SpiesPlanet Plan Sets



Catherine Von Burg SimpliPhi Power



Kenneth WellsO & M Solar Services



Howard Wenger Solaria



Tom Werner SunPower Corporation

REGIONAL CHAPTERS

CALSSA's six Chapters are where professionals from across the storage, PV, and thermal value chain get together, network, share best practices, and learn about the latest industry developments. We continued to keep these events virtual in 2021 as we had for most of 2020 with 18 total meetings. Among the topics discussed were the Net Metering 3.0 Proposal, SolarAPP+ and efforts to create virtual permitting, gas meter clearance rules, and new code requirements for installing energy storage systems on one and two family homes. Meetings are open to all employees at member companies so if you have not attended a meeting yet, make sure to join us in 2022! You can sign up for chapter updates on our website.



Thank You to Our **Regional Chapter Leaders**

Bay Area

Mary Shaffer Gill, *Stem* Tor Valenza, *UnThink Solar* Randy Zechman, *Clean Solar*

Central Valley

Tom Cotter, *Ask Tom Cotter*Jack Ramsey, *Altsys Solar*Joseph Smick, *Service Finance Company*

Los Angeles

Deep Patel, *GigaWatt* Eric Presley, *Ironridge*

North Bay

Tyson Berg, *CED Greentech* Keith Kruetzfeldt, *Suntegrity Solar*

Sacramento

Ed Ayala, *Eco Foundations Systems* Steve Geiger, *GRID Alternatives*

San Diego

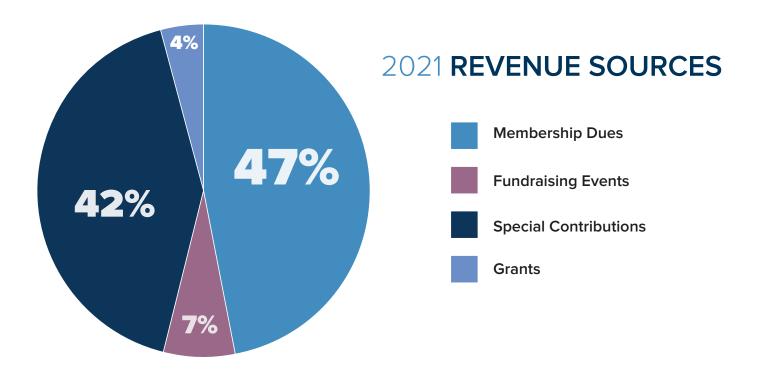
Cecilia Aguillon, *Aguillon Enterprises*Tara Hammond, *Hammond Climate Solutions*

MEMBER EDUCATION

Member companies stayed ahead of the competition in 2021 with CALSSA's help by getting timely, detailed, and reliable information that they could use to navigate the tumultuous California market. In 2021, CALSSA members received:



RESOURCES & EVENTS



2021 EVENTS

With uncertainty around COVID, CALSSA continued to focus on high quality virtual events in 2021. These included regular webinars, including our *Quarterly Policy Updates*, and individual webinars on topics such as CSLB proposed rules on licensing requirements of installing energy storage systems and various proposals considered by the CPUC for NEM. In March, we continued with our *Product Expo Series*, highlighting 40 different companies, from module makers to software companies, for a series of short virtual demonstrations packed into a single week. Three months later, it was time for our *Virtual Silent Auction* fundraiser, where we raised over \$50,000 to support CALSSA's advocacy on NEM! Finally, in September, we once again held our *All*-

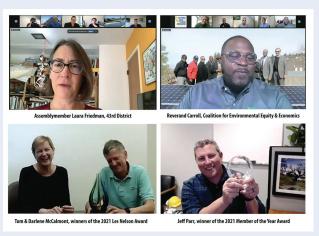


Photo montage from our 2021 All-Member Meeting & Fundraiser.

Member Meeting virtually. Thanks to this meeting, we raised a million dollars for our NEM advocacy in the month of September, an incredible accomplishment! While we miss doing our events in-person, virtual events have facilitated broader member participation.

THANK YOU PRESIDENT'S CIRCLE







































































































1107 9th Street, Suite 820 Sacramento, CA 95814 (916) 228-4567

www.calssa.org info@calssa.org