



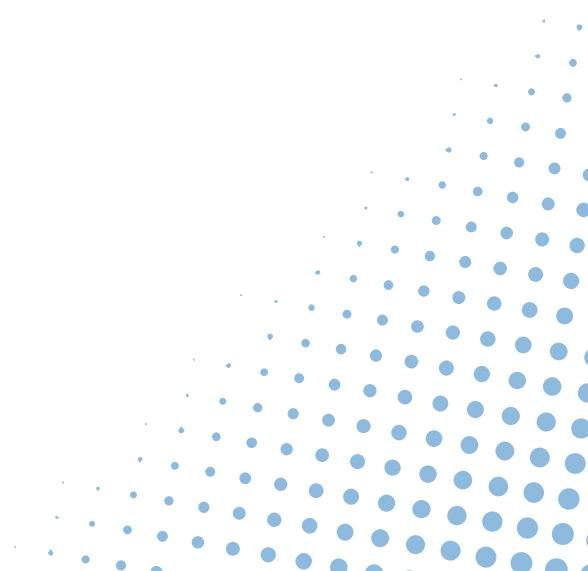
California
Energy
Alliance

2022
ANNUAL REPORT

TAKE YOUR SEAT AT THE TABLE

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Opening Address

2022 was a year of growth for the California Energy Alliance (CEA) as key membership expanded, the ability to meet and deliver education in person came back, and engagement in larger policy-related issues increased. CEA continued working towards its Mission by bringing diverse stakeholders to the table to discuss energy codes and standards and identifying opportunities to improve code compliance.

Highlights from 2022 include:

- CEA's first in-person Member meetings since February 2020
- Hosted an inaugural golf fundraising event
- Met with (6) State Legislator's offices to introduce CEA and identify areas of collaboration
- Delivered (4) presentations to industry partners to share CEA's subject matter expertise in energy codes, standards, and policy

As CEA looks to continue expanding in the coming year, the Alliance will begin diving deep into the 2025 Energy Code Cycle development with its Members and industry stakeholders. We rely on your continued support and engagement as we enter this critical phase of the next code cycle with CEA submitting its own code measure proposals. We plan on having additional convenings to have your voice heard and be the conduit between the market and policy makers.

We look forward to your participation and support in continuing our important work in 2023 as California's energy stakeholder advocate.



Chris Ruch
President & Board Chair



Josh Dean
Executive Director



Highlights & Accomplishments

Administrative

Leadership & Organizational Structure

In 2022, CEA continued with implementing the goals and strategies identified in the Strategic Plan and, in particular, took steps to further bolster its leadership and organizational structure. During 2022, CEA added members to its Board of Senior Advisors and expanded support staff in order to grow the organization's capabilities.

Board of Senior Advisors

CEA reorganized and appointed four members to its Board of Senior Advisors, including Duane Davies from National Air Balance Company, Cori Jackson from California Lighting Technology Center, Richard Lord from Carrier, and Dan Salinas from Salinas Lighting Consult. The role of the Senior Advisors will be to take on specific tasks to assist in carrying out the work of the strategic plan, share market insight with the Board of Directors, and help align CEA's Initiatives.



Duane Davies



Cori Jackson



Richard Lord



Dan Salinas



Bridget Rickman



Amanda Altobano



Yesenia Garcia Contreras

CEA Staff & Fellows

CEA staff are instrumental in supporting membership, managing research activities, developing education & outreach, and ensuring all Initiative activities are progressing. During 2022, CEA welcomed an Operations Manager, Bridget Rickman, and two Fellows from the Sacramento Valley College Corps, Amanda Altobano and Yesenia Garcia Contreras.



Education & Outreach

A collaborative approach to education and outreach is integral to the Alliance. In 2022, CEA produced many events to increase awareness of energy issues related to the built environment and the practical solutions available to resolve them by developing valuable and innovative educational programs, materials and tools for a diverse range of California stakeholders.

CEA education & outreach included (15) Member Events, (6) Guest Education Webinars, (3) CEA Presentations at Industry Conferences, (2) CEA Presentations for stakeholders, and (1) Local Government Testimonial Video.

Highlights:

- Webinar for the San Diego Green Building Council on "2022 Title 24 Energy Code Updates"
- Presentation to the San Diego Chapter of the Appraisal Institute on "California's Evolving Building Codes, Standards, & Policies"
- Testimonial video on the benefits of the [Building Energy Saving Ordinance for the City of Chula Vista](#)
- CEA hosted its first in-person member meetings since February 2020 at the California Lighting Technology Center (CLTC) on August 2nd & 3rd.



CEA Staff & Members touring CLTC



Presentation from Western Cooling Efficiency Center





Conference Participation

In 2022, CEA engaged new and existing stakeholders through participation in a number of conferences in order to discuss growing initiatives and highlight goals for future code proposals.

LightFair 2022

During LightFair 2022, CEA had the chance to exhibit for the first time since 2019. This allowed us to reconnect and engage with industry stakeholders. In addition, CEA hosted a networking event on the showroom floor to bring together new and existing contacts to have an engaging conversation around the Energy Code.

SDGBCE 2022

CEA Executive Director, Josh Dean, and Members John Busch (Leviton) and Charles Knuffke (Wattstopper/Legrand) presented at the 2022 San Diego Green Building Conference + Expo. The session was titled "A Conversation on Shaping and Molding Energy Code - Be an Influencer and not a Reactor".

LightSPEC West

During the inaugural LightSPEC West conference, CEA Executive Director, Josh Dean, presented with Member Brennan Shumacher (Mazzetti) and Kenny Seeton (CSU, Dominguez Hills) on the topic of "Designing Systems for Operations and Maintenance.



CEA Staff & Members at LightFair 2022





Working Groups & Policy Advocacy

Working Groups continued to develop goals and conduct activities to address CEA's initiatives focused on code compliance & improvement, healthy buildings, and the evolution of energy codes & standards.

Public & Government Affairs

In 2022, CEA identified pathways to increase engagement in larger policy-related issues. This included outreach and interaction with the California state legislature to broaden CEA's advocacy efforts. The Public & Government Affairs Working Group supported CEA's efforts by tracking new legislation, regulations, and creating a feedback loop between the market and policy makers.

Advocacy Highlights:

- CEA Members met with (6) legislators' offices in order to introduce CEA initiatives and identify areas of future collaboration
- Tracked (17) bills and commented on (4) key pieces of legislation

Code Compliance Improvement

CEA's Code Compliance Improvement Initiative is focused on developing common goals and the strategies and tactics necessary to improve energy code compliance in California. This Working Group engaged in a number of activities during 2022 to address opportunities for improving the process of permitting and code enforcement.

Advocacy Highlights:

- Provided comments and recommendations on the California Energy Commission's (CEC) 2025 Energy Code Compliance Tools Staff Workshop held in March 2022.
- Provided input on SB-1164 Energy: building energy efficiency: heating, ventilation, and air conditioning equipment: sale registry and compliance tracking system: compliance document data registry.
- Held discussions and engaged with the CEC on potential cost savings by improving noncompliance.





Working Groups & Policy Advocacy cont.

Codes & Standards Working Group

The Alliance's mission is to create effective solutions for enhancing California's energy codes. By collaborating with various stakeholders such as manufacturers, contractors, and commissioning providers, we aim to propose measures to the CEC that will achieve energy savings, cost reduction, and support the state's energy and environmental objectives. In 2022, CEA hosted code development workshops, finalized a list of proposed measure for the 2025 Energy Code, engaged directly with the CEC and Statewide CASE Team, and partnered with members RMS Energy Consulting and CLTC on a Title 24 Lighting Language Cleanup project.

Advocacy Highlights:

- CEA hosted (5) workshops throughout 2022 including engagement from the CEC during the August In-Person Meetings. CEA narrowed down an initial list of (35) potential code measures to (3) key proposals for development in the 2025 Energy Code. [Learn more about CEA's measure proposals here.](#)
- CEA joined members RMS Energy Consulting and CLTC to establish a working group of industry stakeholders to develop recommendations that simplify and clarify the nonresidential and residential lighting and lighting controls language in the 2022 Title 24, Part 6 Building Energy Efficiency Standards. The [Energy Code Lighting Language Cleanup Initiative](#) engaged (40) stakeholders organized into (19) subcommittees to develop (71) action items to clarify and simplify the 2022 Energy Code language.
- CEA Members met (3) times with the [Statewide CASE Team](#) to provide subject matter expertise on their initial 2025 Energy Code list of measures being proposed.
- CEA provided comments and recommendations for a workshop the CEC hosted regarding Energy Accounting for the 2025 Energy Code.



Research Projects

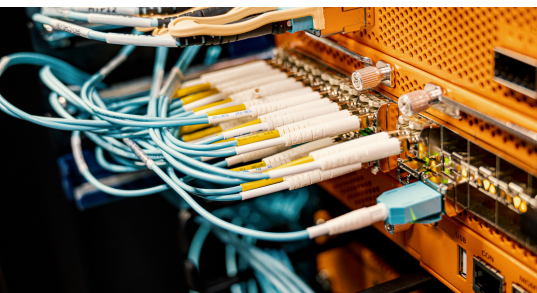
CEA continued its work in 2022 on the two research projects funded through the CEC's Electric Program Investment Charge (EPIC) program. Highlights of activities from both research projects are below.

Plug Load Energy Testing to Inform Codes & Standards - PLETICS

CEA worked with project team members UC Davis - California Lighting Technology Center (CLTC), UC Irvine - California Plug Load Research Center (CalPlug), and CSU Northridge to develop a Plug Load Component Opportunities & Potential Savings report for each of the three plug load categories of commercial office equipment, residential networking equipment, and laboratory equipment. The report assesses a list of potential investigation points for evaluation of selected plug load devices. This list begins by summarizing the energy-related design features identified in a prior report and further explores issues of design and device usage that can impact energy usage. The Project Team has also developed Proposed Test Procedures for testing each of the plug load devices. The Team is currently sourcing the remaining devices to begin the next phase of the project which includes product testing and analysis.

Renewable Energy & Advanced Lighting Systems - REAL

CEA continued work with project partner CLTC to conduct a market assessment and research for energy code development. CEA also began developing a knowledge transfer plan to outreach to industry stakeholders to gather feedback and opportunities on the energy code impact. These activities will ensure project outcomes are beneficial to a large stakeholder group and are appropriate for potential use in codes & standards development activities.





CEA Golf Tournament Fundraiser

In August 2022, CEA hosted its first-ever Golf Tournament Fundraiser event at the Wildhorse Golf Club in Davis, CA. This golf tournament was an opportunity to engage CEA Members and industry stakeholders in a fundraising event to support CEA Initiatives. CEA would like to thank all the golfers and the following sponsors for helping make this inaugural event a success:

Featured Sponsor: Sheet Metal Workers Local Union No. 104

Front Nine Sponsor: Western States Council

Back Nine Sponsor: Lutron

Food & Drink Sponsor: National Lighting Contractors Association of America





Financial Summary

CEA's 2022 financial summary, including its Balance Sheet and Statement of Activities, is provided as of December 31, 2022. CEA operates under a cash basis accounting system.

Balance Sheet

Current Assets

Bank Accounts \$49,509

Liabilities

Current \$1,645

Long Term \$0

Net Assets

Net Assets Beginning of Year \$2,167

Change in Net Assets \$45,697

Total Liabilities & Net Assets \$49,509

Statement of Activities

Revenue

Membership \$129,730

Grants \$268,947

Events/Other Revenue \$7,869

Total Revenue \$406,546

Expenses

Programs & Initiatives \$291,651

Administration \$53,220

Fundraising \$15,978

Total Expenses \$360,849

Net Revenue \$45,697



Sustaining Members



Carrier is a world leader in HVAC, Refrigeration, Fire & Security solutions. Building on our vision to create solutions that matter for people and our planet, Carrier is targeting carbon neutrality across its operations by 2030 and aiming to reduce our customers' carbon footprint by more than one gigaton. We are proud to be a sustaining member of CEA.



From electrical to lighting to networking, Leviton engineers thoughtful solutions that help make life easier, safer, more efficient and more productive. We are proud to be a sustaining member of CEA.



From dimmers for the home, to lighting management systems for entire buildings, Lutron offers more than 15,000 energy-saving products, sold in more than 100 countries. We are proud to be a sustaining member of CEA.



Schneider Electric's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On. Our mission is to be a digital partner for Sustainability and Efficiency. We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management, for homes, buildings, data centers, infrastructure and industries. We are proud to be a sustaining member of CEA.



Simply put, CEA achieves results. We're pleased to support and contribute to the growth of such a dynamic, impactful stakeholder group committed to the growth and evolution of California energy policies and standards for the benefit of people and the environment. We are proud to be a sustaining member of CEA.



Wattstopper, a product line of Legrand, offers the most comprehensive line of simple, scalable, and flexible energy-efficient lighting controls and solutions for commercial and residential applications. We are proud to be a sustaining member of CEA.



Members



Acuity Brands



ADC Energy



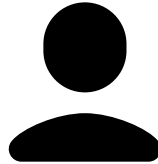
Autani Building Controls



BIOS Lighting



California Advanced Lighting Controls Training Program



California Labor Management Cooperation Committee



California Lighting Technology Center



Sheet Metal & Air Conditioners National Association



California Street Light Association



Center for Sustainable Energy



Clanton & Associates



Clifton Lemon Associates



CodeCycle



Crestron



Current



Daikin



DesignLights Consortium



ETC



Green Building Initiative



Gregg D. Ander, LLC



Members



Illuminating Engineering Society



Institute of Heating & Air Conditioning Industries



KDC, Inc.



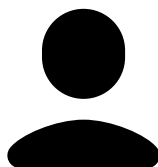
National Energy Management Institute Committee



National Lighting Contractors Association of America



New Buildings Institute



Peter Schwartz



Prasino Energy



RMS Energy Consulting



Salinas Lighting Consult



Sheet Metal Workers Local Union No. 104



Western Riverside Council of Governments



Leadership Team

CEA Corporate Officers



Christopher Ruch
President & Board Chair
Director of Training, National Energy Management Institute



Bernie Kotler
Vice President
Executive Director, Labor Management Cooperation Committee



Bernadette Boudreaux
Treasurer
Associate Director of Operations, DesignLights Consortium

Board of Directors



John Busch
Board Member
Energy Code Specialist & Regional Sales Manager West, Leviton



Pekka Hakkarainen
Board Member
VP Government & Industry Relations, Lutron Electronics



Craig Ochoa
Board Member
Preconstruction Project Manager, KDC, Inc.



Kelly Seeger
Board Member
Technical Policy Manager, Standards & Regulations, Signify



Randy Young
Board Member
Business Representative, District 2, Sheet Metal Workers Local 104





Board of Senior Advisors



Duane Davies
Board of Senior Advisor
CEO, National Air Balance Company



Cori Jackson
Board of Senior Advisor
*Program Director, California
Lighting Technology Center*



Richard Lord
Board of Senior Advisor
Senior Fellow, Carrier



Daniel Salinas
Board of Senior Advisor
CEO, Salinas Lighting Consult

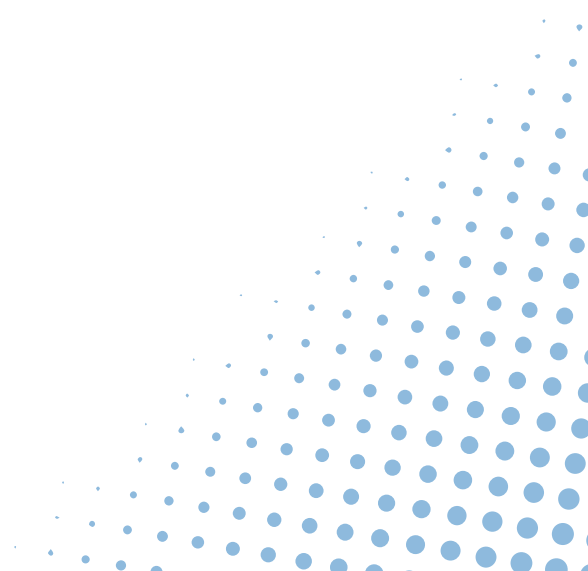
Staff



Josh Dean
Executive Director



Bridget Rickman
Operations Manager



TAKE YOUR SEAT AT THE TABLE



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