SAN DIEGO COMMUNITY POWER

Community Advisory Committee

Regular Meeting

November 13, 2025

Welcome and Call to Order

Roll Call

Land Acknowledgement

Special Presentations and Introductions

WELCOME

Jackson Welch

Portfolio Analyst

Anna Laprise

Senior Origination Associate

Items to be Withdrawn or Reordered on the Agenda

Public Comment on non-Agenda Items

Consent Calendar

1. Approve October 9, 2025, CAC Regular Meeting Minutes
2. Receive and File Update on Marketing, Public Relations, and Local Government Affairs
3. Receive and File Update on Customer Operations
4. Receive and File Update on Programs
5. Receive and File Update on Power Services
6. Approve 2026 Meeting Schedule
7. Recommend Board adoption of Resolution No. 2025-_, approving proposed revisions to the existing Renewable Energy Self-Generation Bill Credit Transfer Tariff

Public Comment on Consent Calendar

Regular Agenda

8. Informational Update on Battery Energy Storage Systems
9. Update on Regulatory and Legislative Affairs
10. Update on Smart Home Flex Project
11. Update on California Energy Commission Grant Agreement EPC-25-015
12. Creation of a 2026 CAC Work Plan Ad-Hoc Committee
13. Creation of a Community Power Plan Review Ad-Hoc Committee
14. Creation of a Distributed Energy Resources/Local Infill Ad-Hoc Committee

Item No. 8

Informational Update on Battery Energy Storage Systems

Presenters:
Lee Friedman, Senior Manager Strategic Partnerships
Jason Anderson, Cleantech

Recommendation:

Receive and File Informational presentation on battery energy storage systems.

Battery Storage + San Diego's Clean Energy Future

ABOUT CLEANTECH SAN DIEGO

A member-based business organization founded 18 years ago to:

- Position the San Diego region as a leader in the cleantech economy
- Engage in advocacy efforts to promote cleantech priorities
- Support energy entrepreneurs through the Southern California Energy Innovation Network
- Encourage more equitable investment across the San Diego region

cleantech SAN DIEGO

THE CLEANTECH INDUSTRY IN SAN DIEGO

TOTAL CLEANTECH AND SOLAR JOBS SUPPORTED

38,525

Direct 21,305
Indirect 7,120
Induced 10,050

23,305
Cleantech Jobs

15,220
Solar Installation Jobs

TOTAL ECONOMIC OUTPUT

$9.4 Billion

Direct $6.0 Billion
Indirect $1.6 Billion
Induced $1.8 Billion

867
Payrolled Business Locations

$128,188
Average Earnings per Cleantech Job

**Cleantech and Solar Installation Jobs are not mutually exclusive*

Context for BESS Conversation

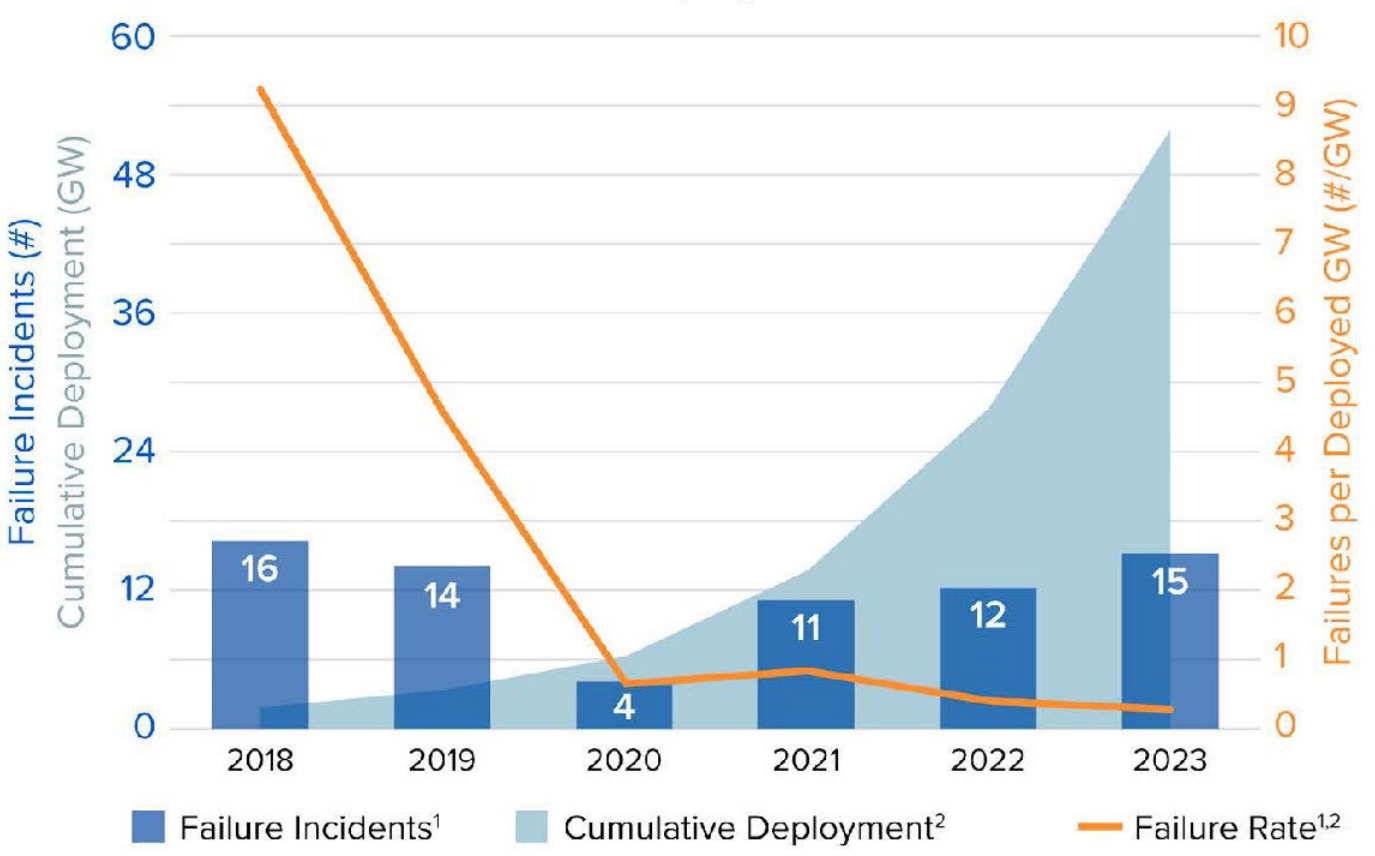
CONTEXT FOR BESS CONVERSATION

Sept. 2023:	Fire in Industrial Park in Valley Center
May 2024:	Fire in Industrial Park Near Otay Mesa
Sept. 2024:	Fire in Industrial Park in Escondido
Sept. 2024:	City of San Marcos Considers BESS Opposition
Oct. 2024:	City of Escondido Considers Ordinance Prohibiting BESS
Dec. 2024:	San Diego County Considers Additional Requirements for BESS
Jan. 2025:	Fire at Moss Landing

INCIDENTS HAVE SIGNIFICANTLY DECREASED

- BESS fire incidents are decreasing while deployments are increasing substantially
- The rate of BESS failure incidents fell 97% between 2018 and 2023
- During this time, codes and standards regulating BESS have rapidly evolved to better address safety concerns

Global Grid-Scale BESS Deployment and Failure Statistics

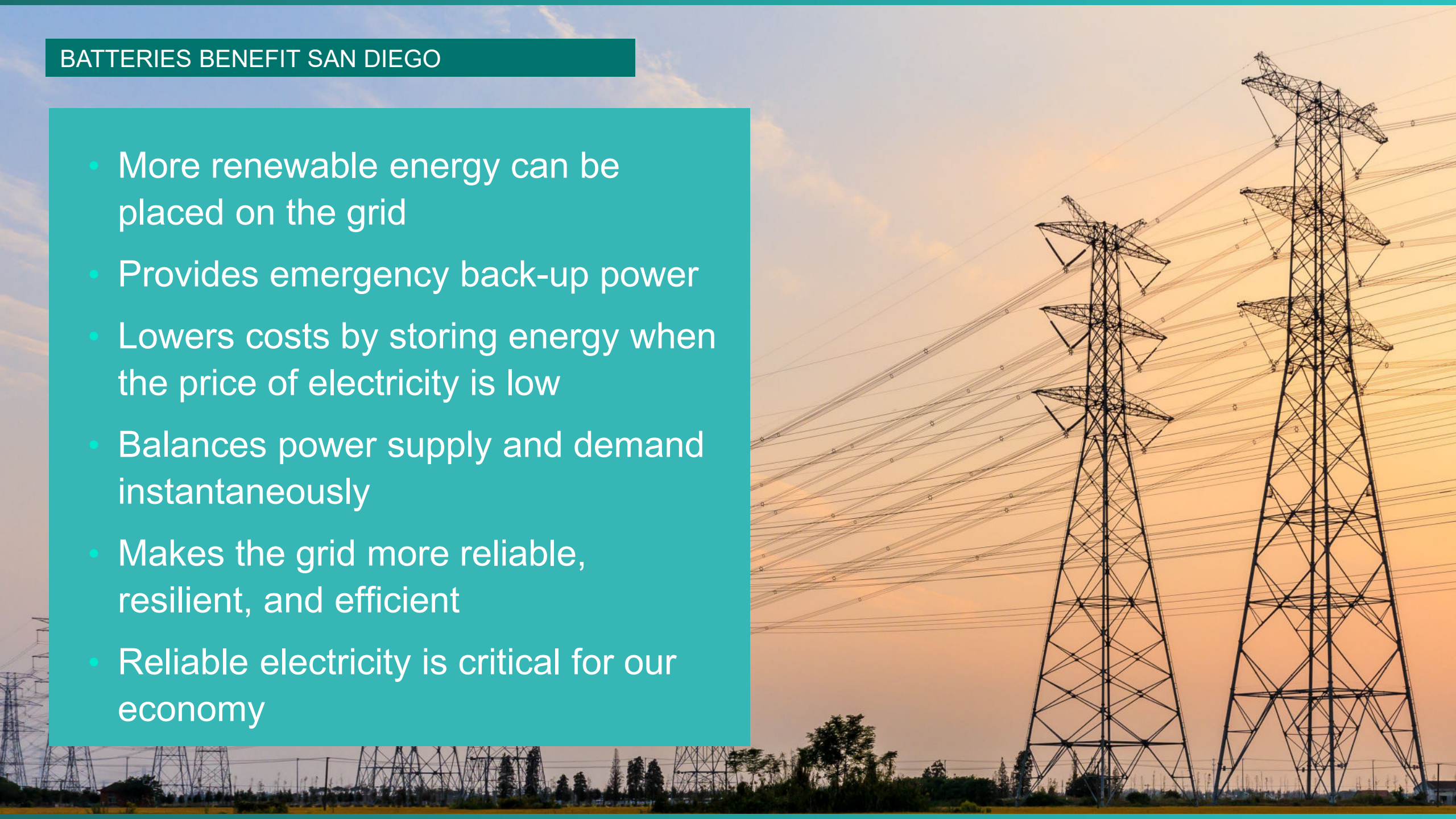


Sources: (1) EPRI Failure Incident Database, (2) Wood Mackenzie. Data as of 12/31/23.

Batteries Benefit
San Diego

BATTERIES BENEFIT SAN DIEGO

- More renewable energy can be placed on the grid
- Provides emergency back-up power
- Lowers costs by storing energy when the price of electricity is low
- Balances power supply and demand instantaneously
- Makes the grid more reliable, resilient, and efficient
- Reliable electricity is critical for our economy



BATTERIES BENEFIT SAN DIEGO

News

California ISO extends Flex Alert for today, 4-9 p.m.
September 9, 2022

California ISO extends Flex Alert to today from 3-10 p.m.
September 8, 2022

Energy Emergency Alert 2 declared to protect grid
September 7, 2022

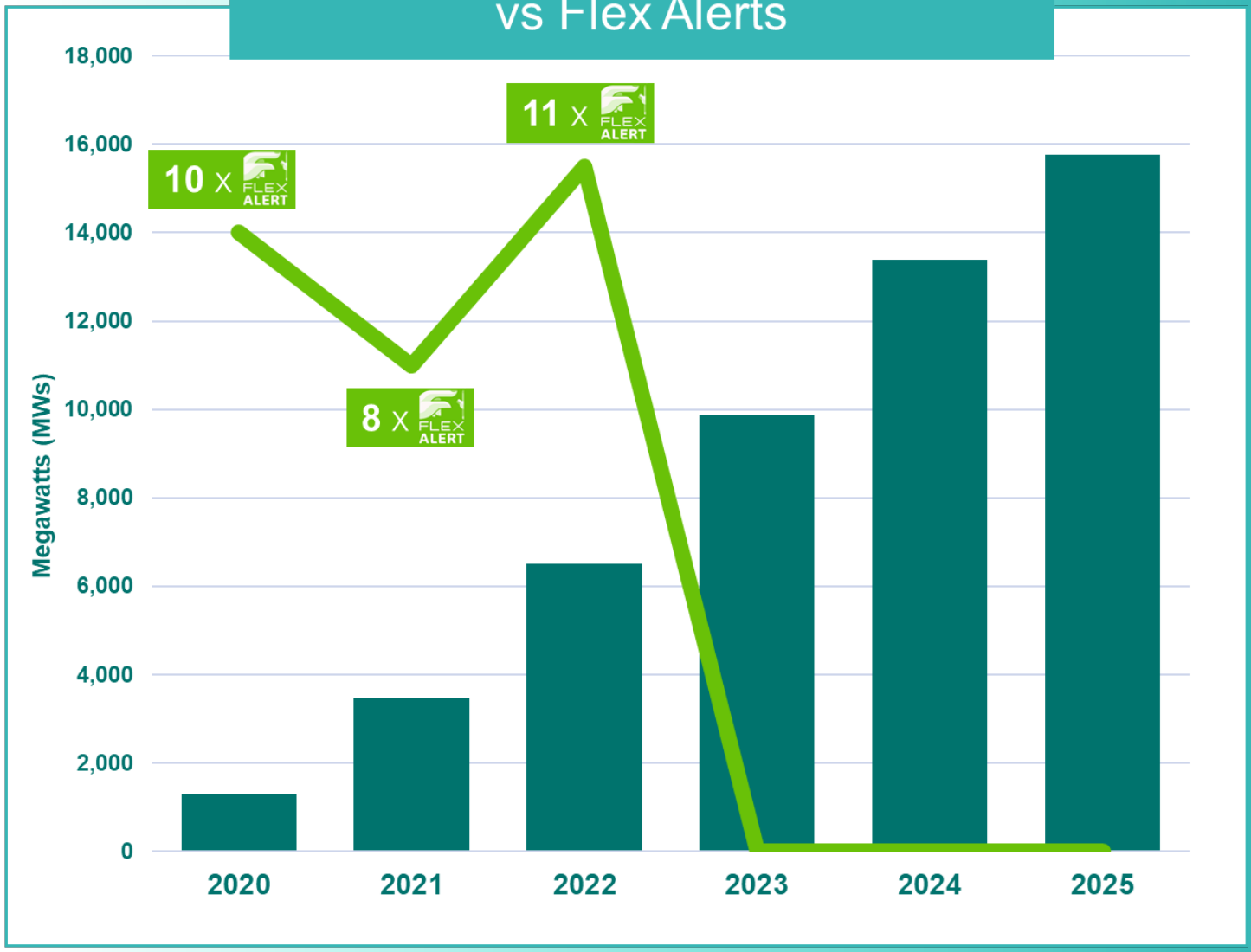
Conditions on the grid becoming more strained as heat wave intensifies
September 5, 2022

California faces worsening grid challenges on Monday and Tuesday
September 4, 2022

Flex Alert extended to Sunday, Sept. 4 due to high heat
September 3, 2022

Source: FlexAlert.org/news

Battery Storage (MWs) vs Flex Alerts

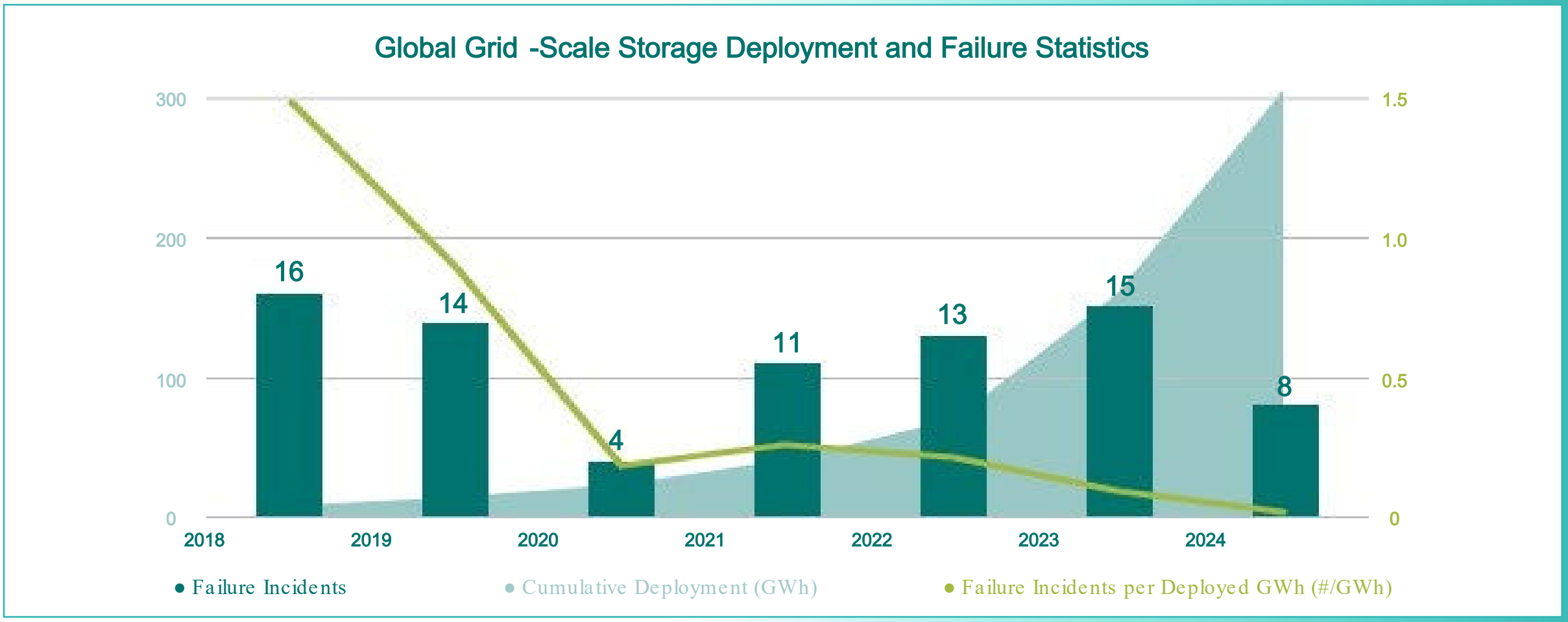


Source: CEC Calif. BESS Survey

Battery Storage is Safe: **Fires are Rare with Limited Impacts**

BATTERY STORAGE IS SAFE

As battery storage has increased, the number of incidents has fallen.



Source: EPRI BESS Failure Incident Database

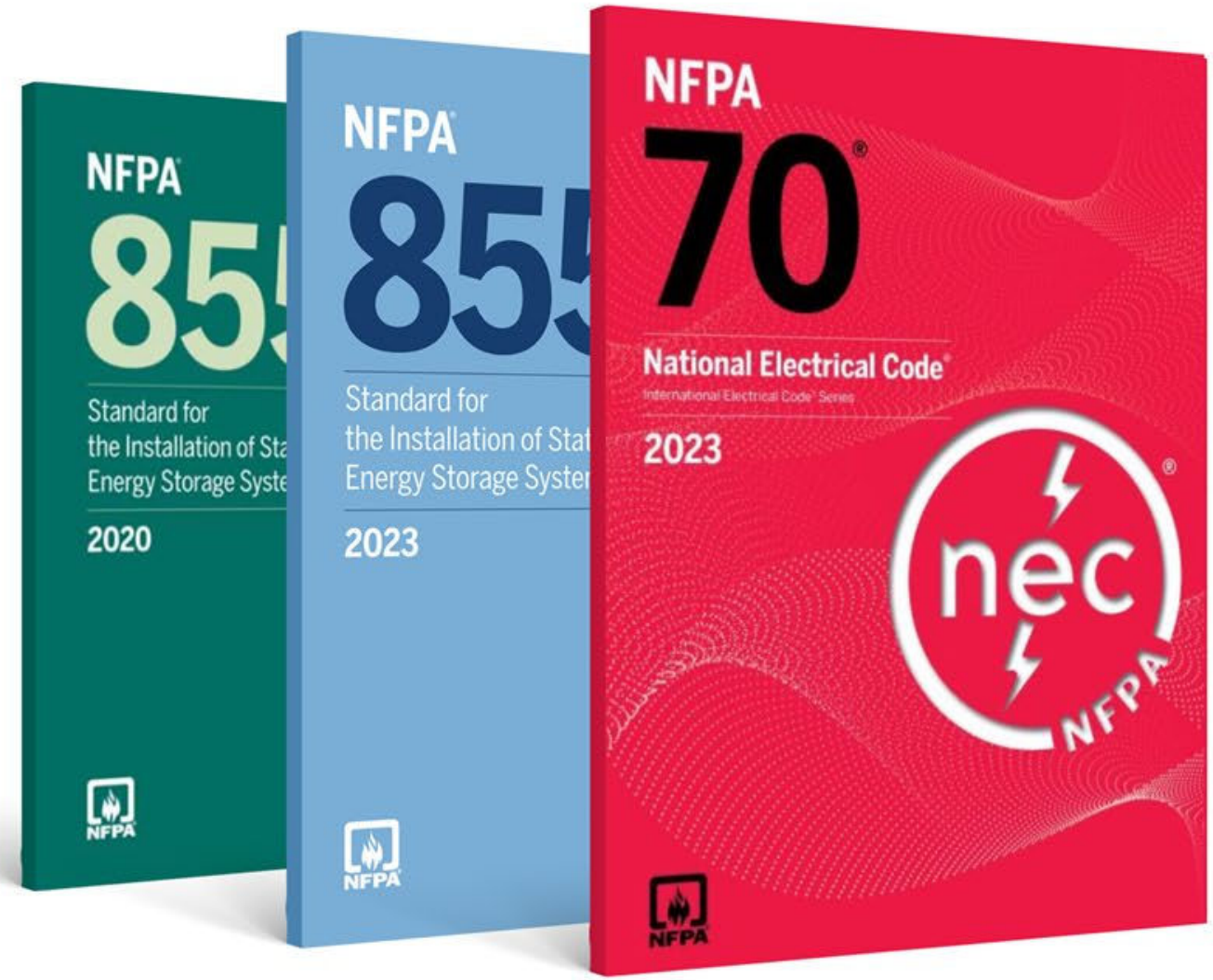
BATTERY STORAGE IS SAFE

First published in 2020, NFPA 855 has been a big boost to safety.

So have other certifications, tests, tech improvements and project design and installation practices.

UL 9540

UL 9540A



BATTERY STORAGE IS SAFE

In systems that follow today's safety precautions, fires, though rare, are designed and tested to safely extinguish in their containers.

There are no reported cases of fires spreading outside of a battery storage facility.

Source: Energy Storage Safety, ACP, San Diego Union-Tribune article

The San Diego Union-Tribune

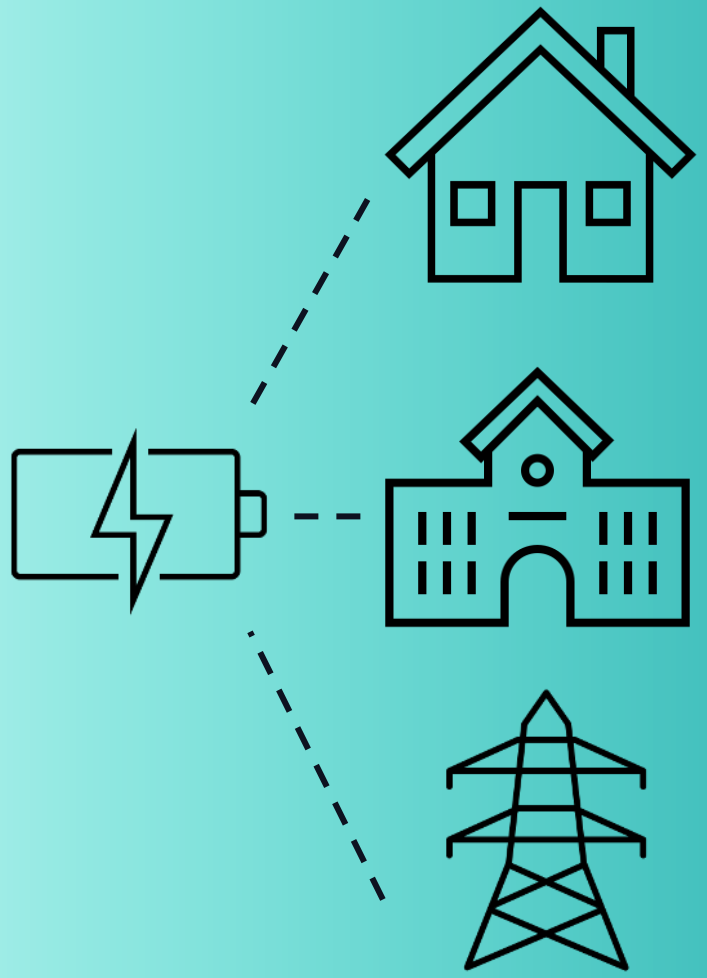
After consulting with SDG&E's fire coordinator and the company's contracted fire agency, as well as San Diego city and county hazardous materials officials, firefighters decided to let the batteries burn themselves out. Crews sprayed water on neighboring storage containers to keep them cooled down and to prevent the fire from spreading, Batson said.

What Do San Diegans Want?

BATTERY ENERGY STORAGE PR PROGRAM OVERVIEW

Research-backed, consistent narrative to build informed support

- Not affiliated with any specific projects
- Informed by industry and public safety experts
- Supported by secondary research
- Messaging aligned with public opinion survey data
- Serving a broad target audience of stakeholders



Cleantech San Diego
San Diego Residents Survey
Results Presentation

PROBOLSKY RESEARCH

Market and Opinion Research

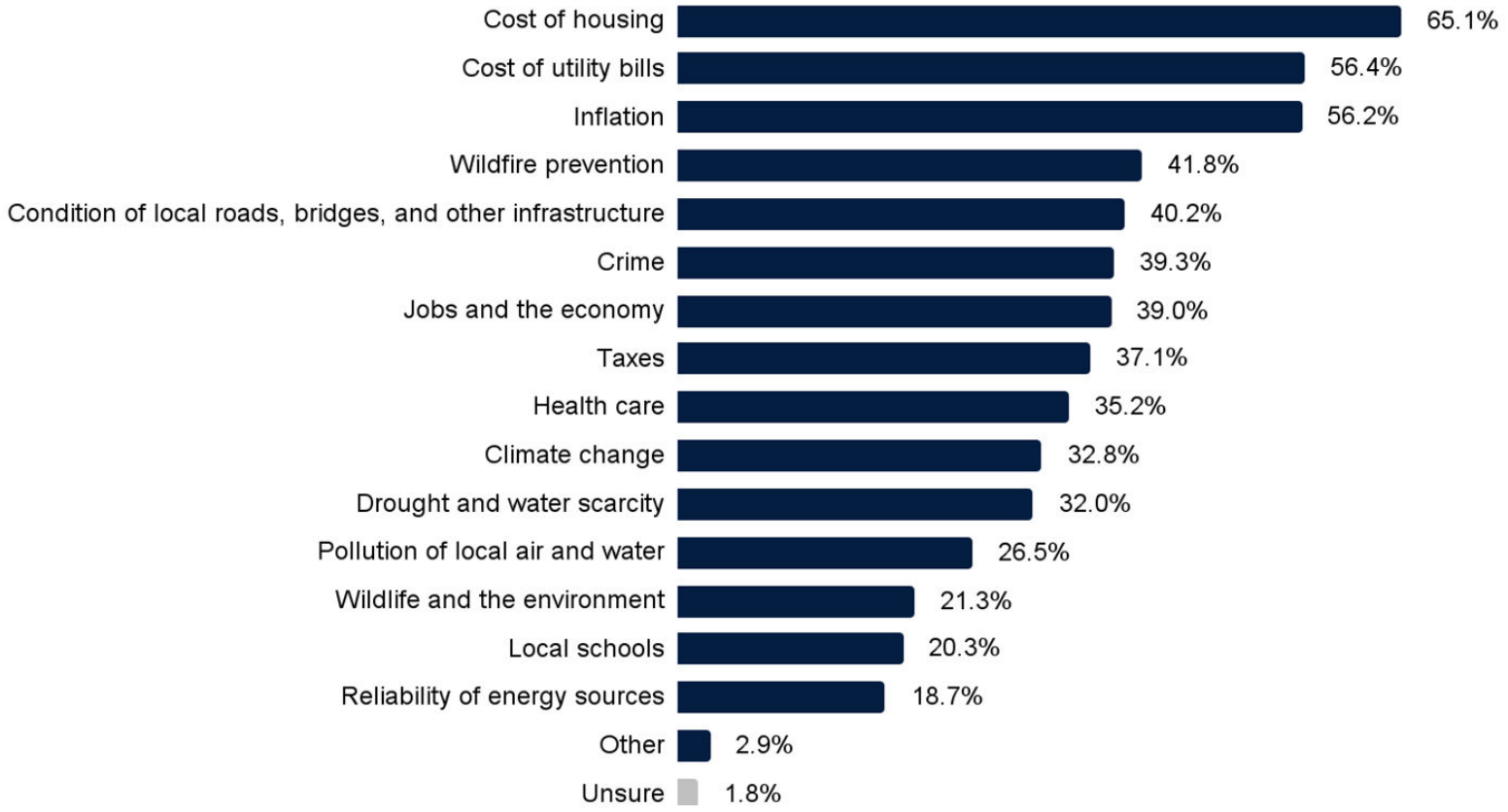
Conducted in partnership with:

Wright On Communications

PROBOLSKY RESEARCH
23 Corporate Plaza Suite 150 Newport Beach CA 92660
Newport Beach (949) 855-6400
San Francisco (415) 870-8150
Washington DC (202) 559-0270

San Diego Residents say the cost of housing, utilities, and addressing inflation should be top priorities

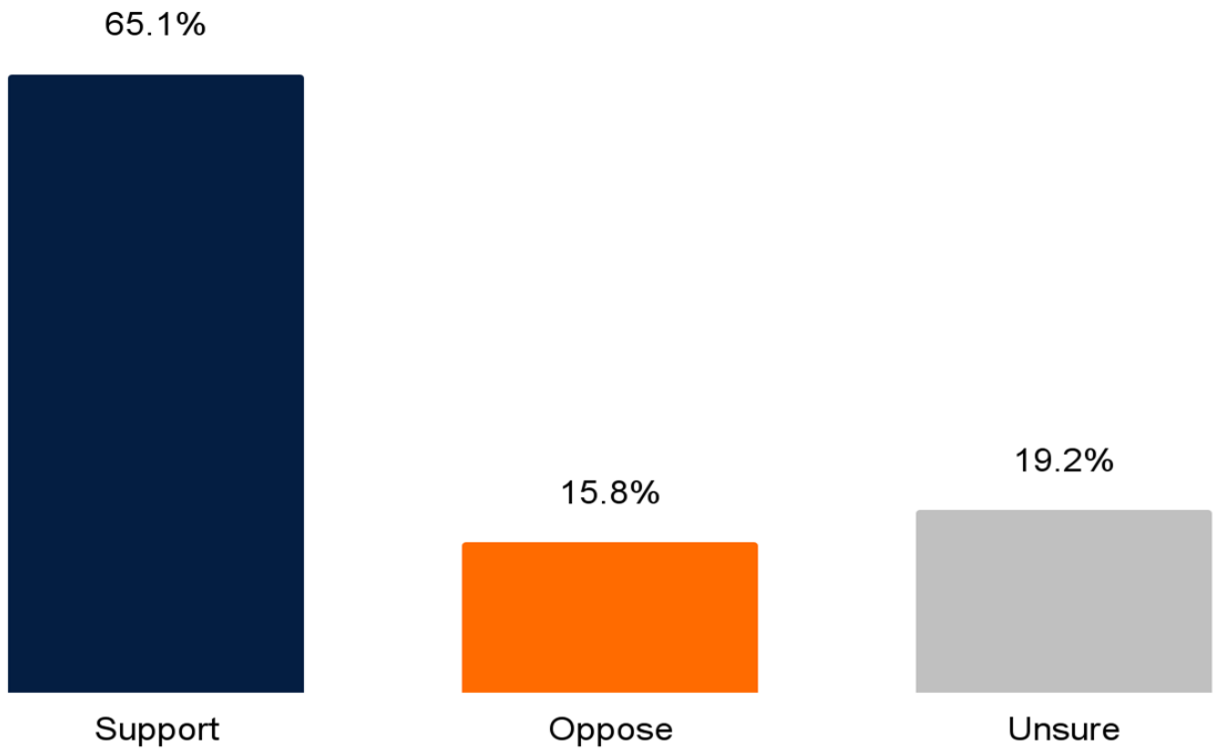
Question: Here is a list of several issues that may be facing your community. Please indicate which issues should be the top priorities of your local elected leaders. Select all that apply.



PROBOLSKY RESEARCH

65% of residents support transitioning away from fossil fuels

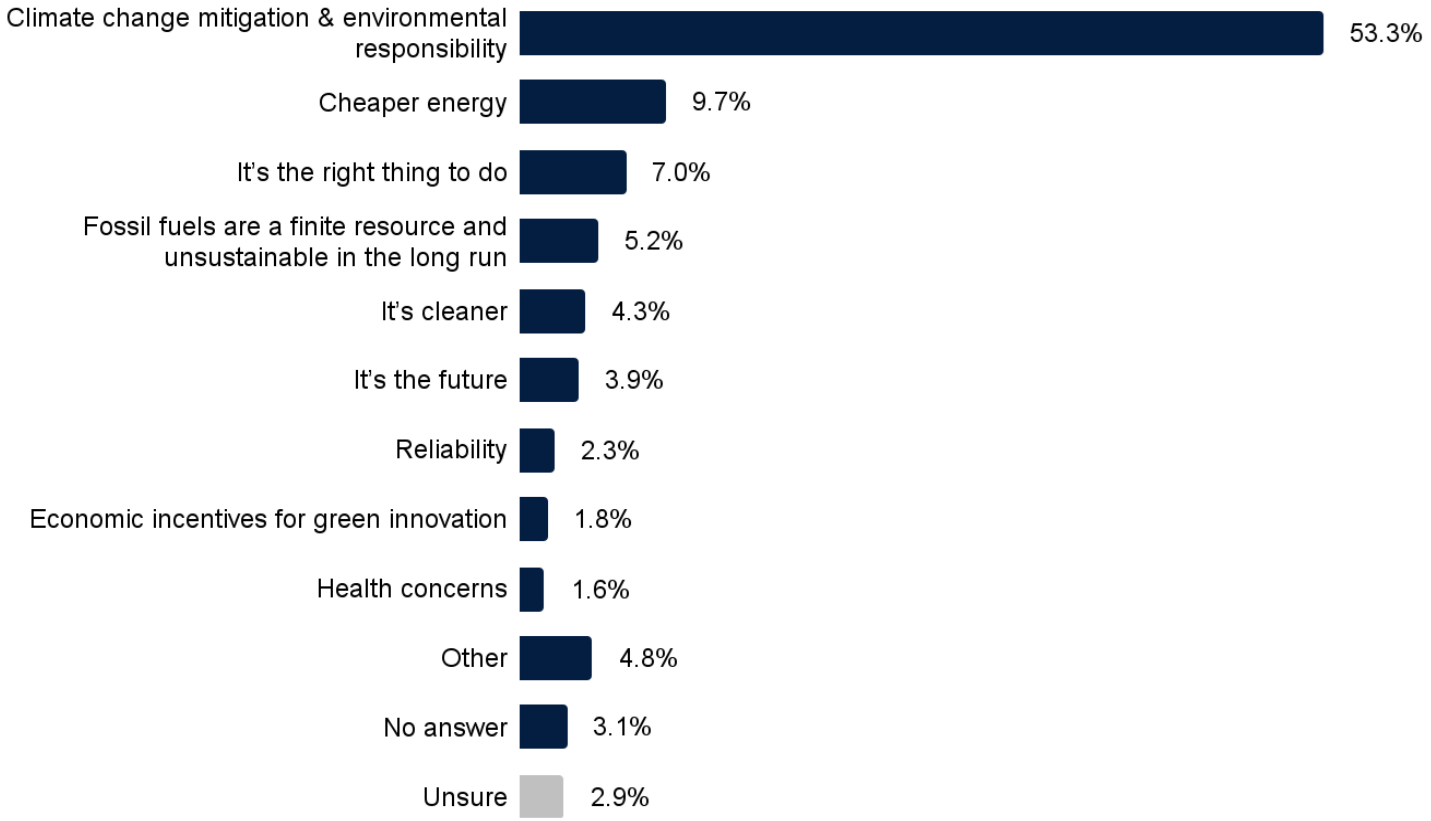
Question: In general, do you support or oppose the San Diego region transitioning away from fossil fuel energy to renewable energy such as solar and wind?

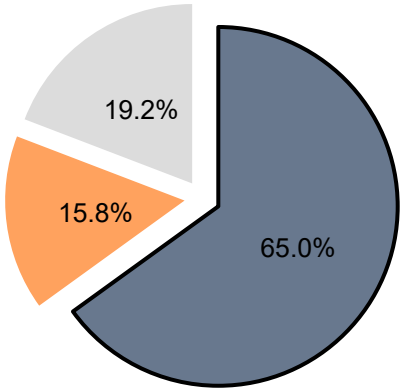


PROBOLSKY RESEARCH

Among supporters of the transition, climate change mitigation is the top reason for supporting it

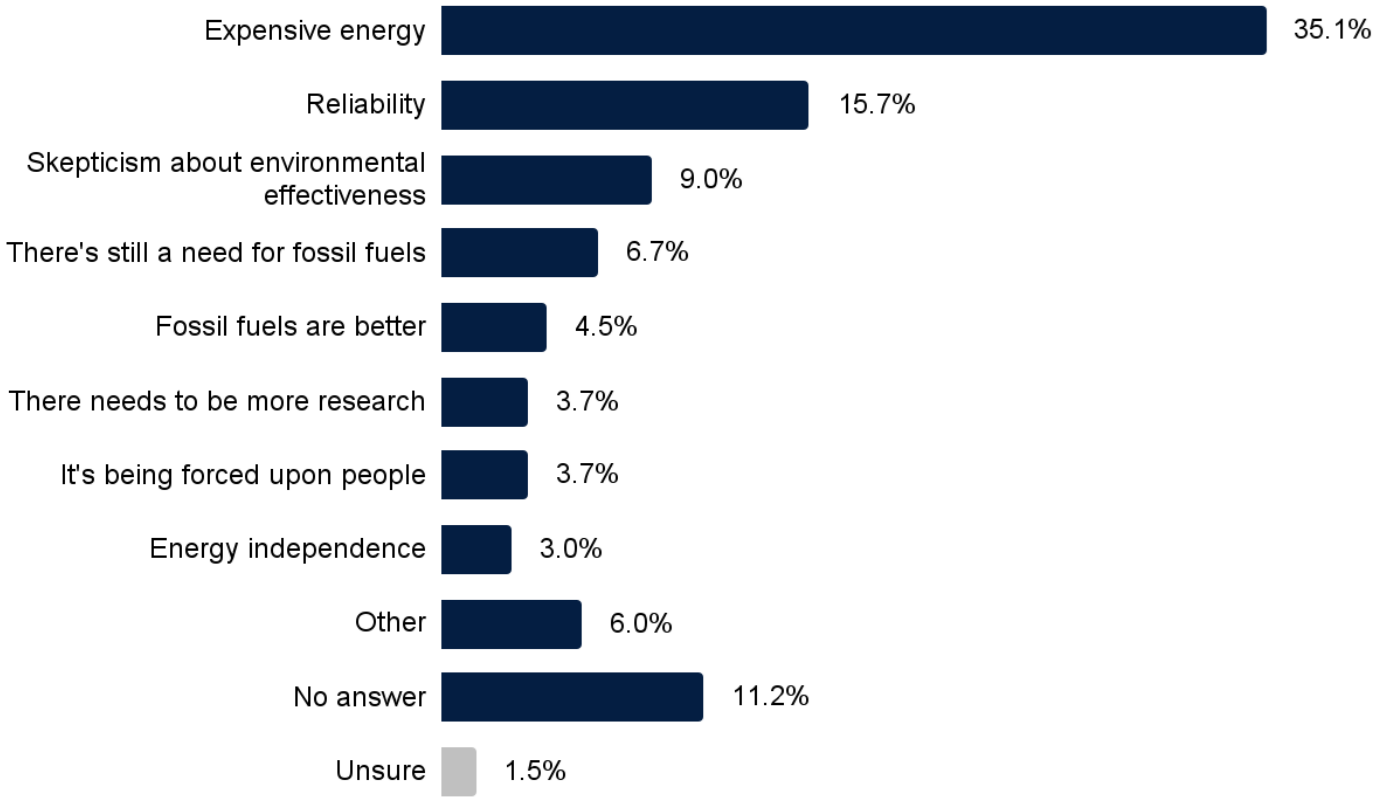
Question: Why do you **support** a transition away from fossil fuel energy to renewable energy?
[OPEN-ENDED RESPONSE]

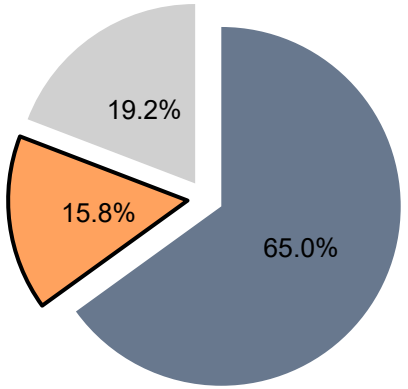




Among opposers of the transition, elevated utility prices is the top reason for opposing it

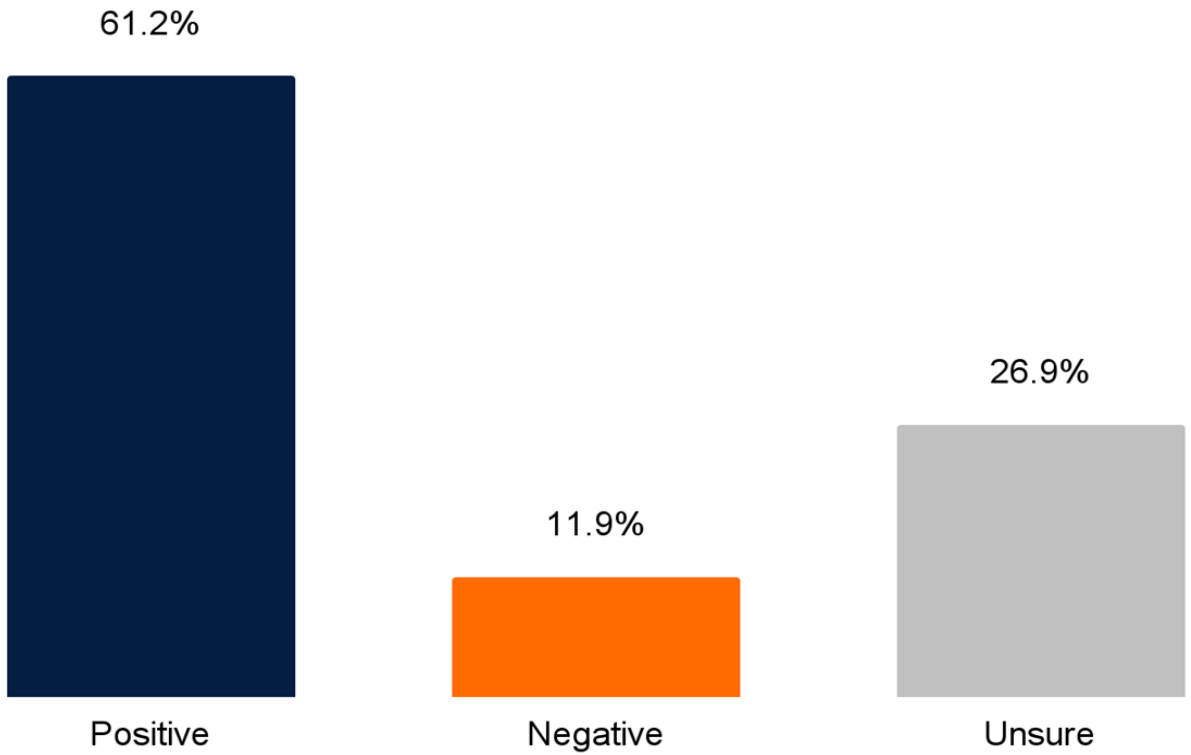
Question: Why do you **oppose** a transition away from fossil fuel energy to renewable energy? [OPEN-ENDED RESPONSE]





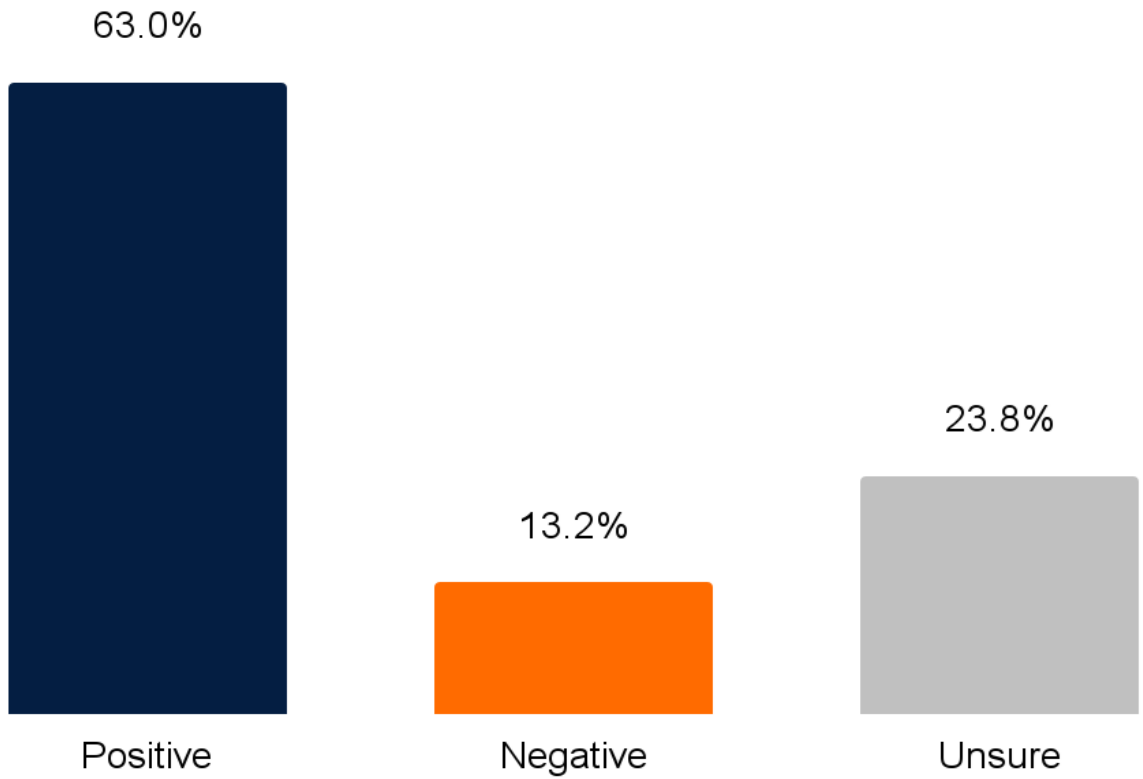
61% of residents have a positive opinion on residential battery storage

Question: Considering factors such as environmental impact, safety, cost, and lifespan, what is your opinion on residential battery storage such as Powerwalls that power homes?



63% of residents have a positive opinion on commercial battery storage

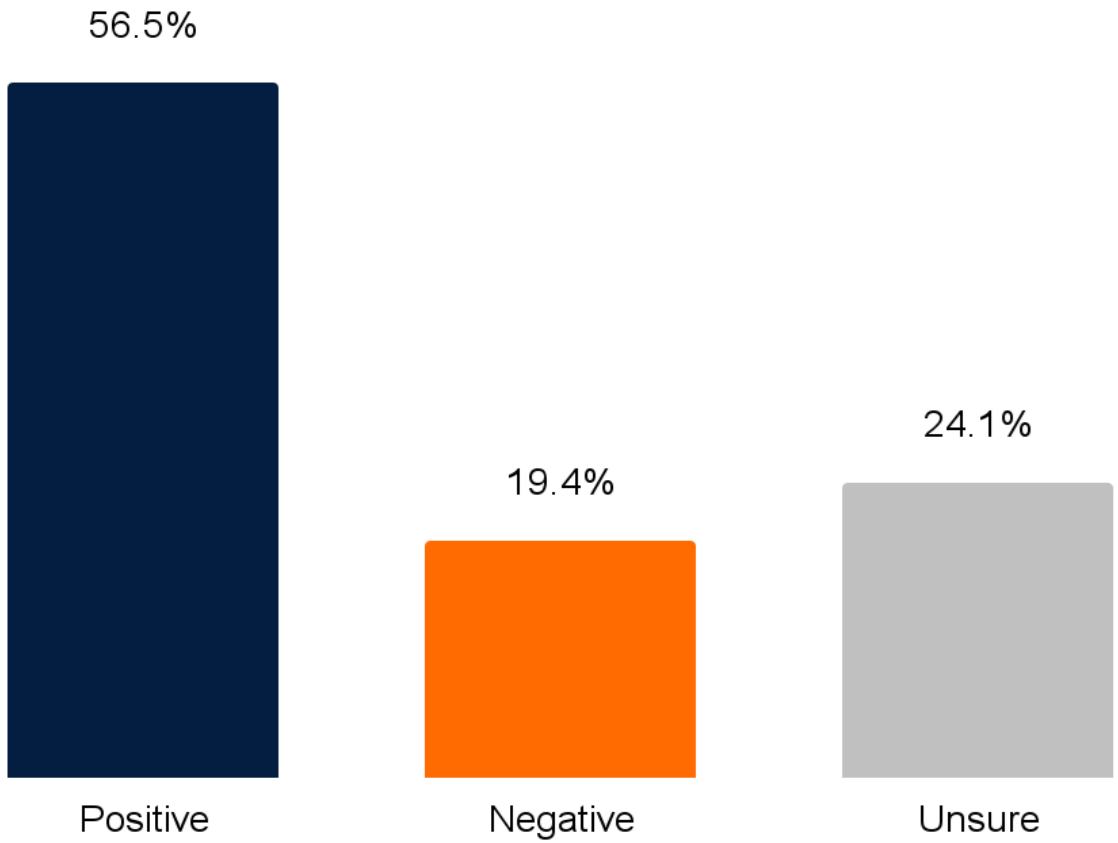
Question: Considering factors such as environmental impact, safety, cost, and lifespan, what is your opinion on commercial battery storage such as systems that power businesses, schools and institutions?



PROBOLSKY RESEARCH

57% of residents have a positive opinion of large standalone battery storage facilities

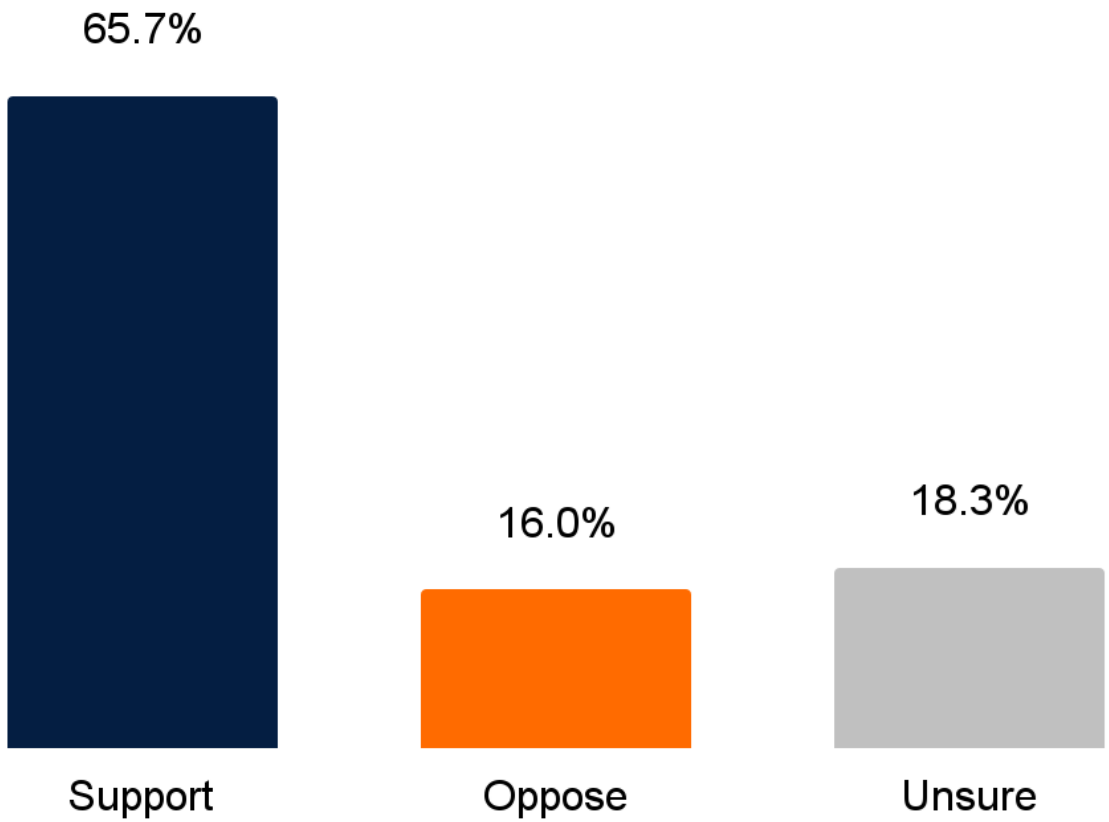
Question: Considering factors such as environmental impact, safety, cost, and lifespan, what is your opinion on large standalone battery storage facilities such as those used to power the electric grid?



PROBOLSKY RESEARCH

66% of residents support battery storage projects in San Diego County

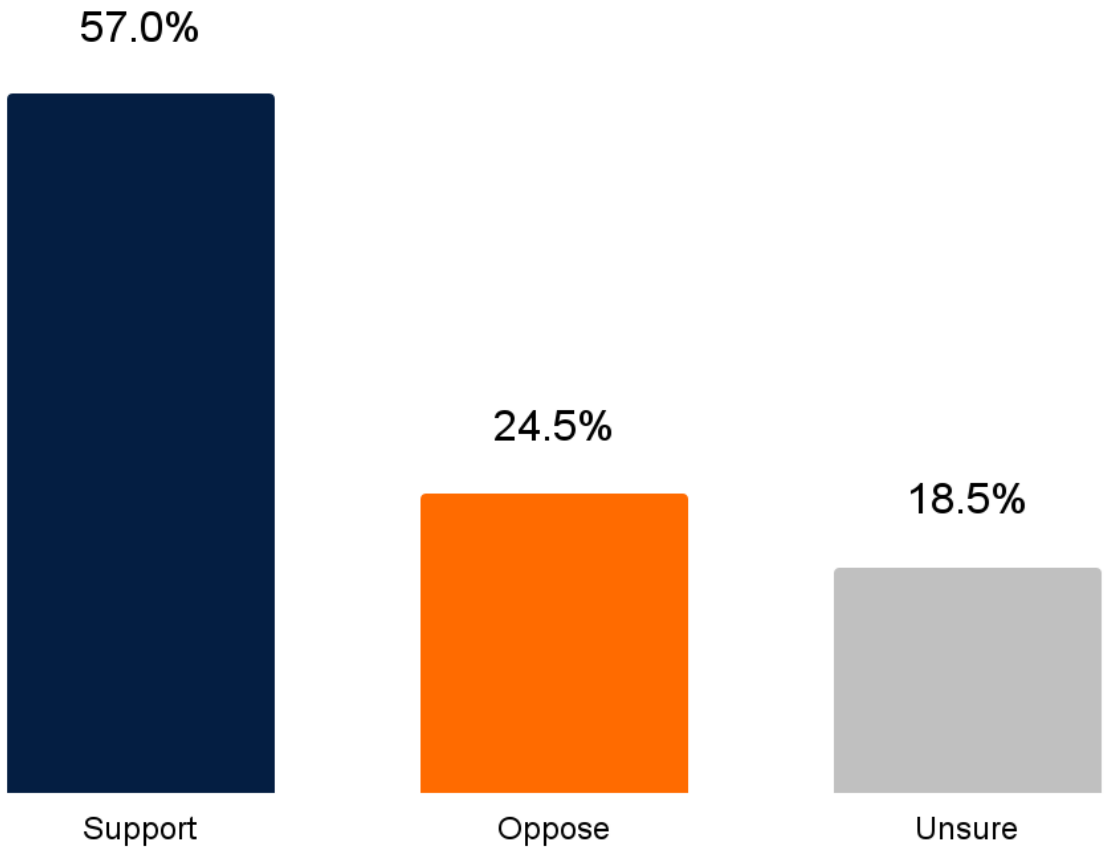
Question: Do you support or oppose battery storage projects **in San Diego County**?



PROBOLSKY RESEARCH

57% of residents support battery storage projects in their neighborhood

Question: Do you support or oppose battery storage projects **in your neighborhood**?



Message effectiveness

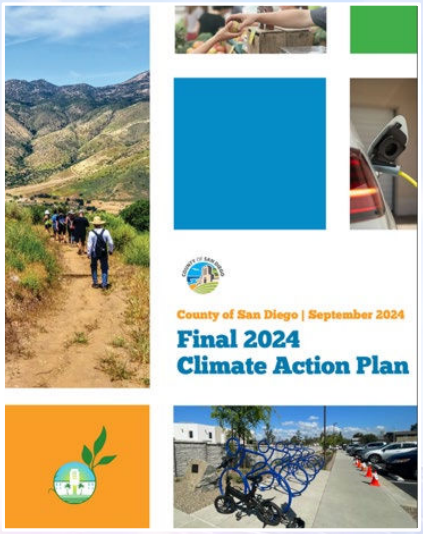
67.1%	Battery storage increases clean energy use and decreases fossil fuel use, which means cleaner air.
66.1%	Battery storage is critical when electricity demand jumps in the evening as well as during heat waves to keep the power on and our homes and businesses functioning.
64.7%	Battery storage systems do not emit toxins during their normal operation – either as a gas or as runoff.
62.7%	All battery storage projects comply with national fire protection standards, national electrical safety codes, UL certification, and testing.
61.3%	No battery storage fire in the U.S. has spread outside of its facility.
58.4%	Only three fires last year in the U.S. were related to battery storage compared to more than 350,000 home structure fires.
48.7%	Lithium-ion batteries, such as those used in battery storage projects are used in numerous devices and are a part of our daily life.

PROBOLSKY RESEARCH


Local Governments
Can Advance
Our Clean Energy Future

LOCAL GOVERNMENTS CAN ADVANCE OUR CLEAN ENERGY FUTURE

San Diego must accelerate battery storage projects to meet County/City CAP goals of 90% renewable energy by 2030.



OUR CLIMATE OUR FUTURE
City of San Diego Climate Action Plan

Strategy 2: Access to Clean & Renewable Energy

This strategy maintains the City's commitment to 100% renewable energy and now acknowledges that the pathway to achieving this target is through San Diego Community Power. It also sets more ambitious targets for converting the City's fleet of vehicles to electric and, for the first time, aims to increase the number of electric vehicles used by our communities.

2030 Target	2035 Target
100% renewable or GHG-free power provided by SDCP for all SDCP customers in the City of San Diego	
Percent of all municipal fleet vehicles to be **ZEVs: LDV: 50% MDV: 50% HDV: 50%**	Percent of all municipal fleet vehicles to be **ZEVs: LDV: 100% MDV: 75% HDV: 75%**
16% e-VMT out of all Light-duty VMT	**25% e-VMT** out of all Light-duty VMT

Measure E-3: Develop policies and programs to increase renewable energy use, generation, and storage in the unincorporated area.

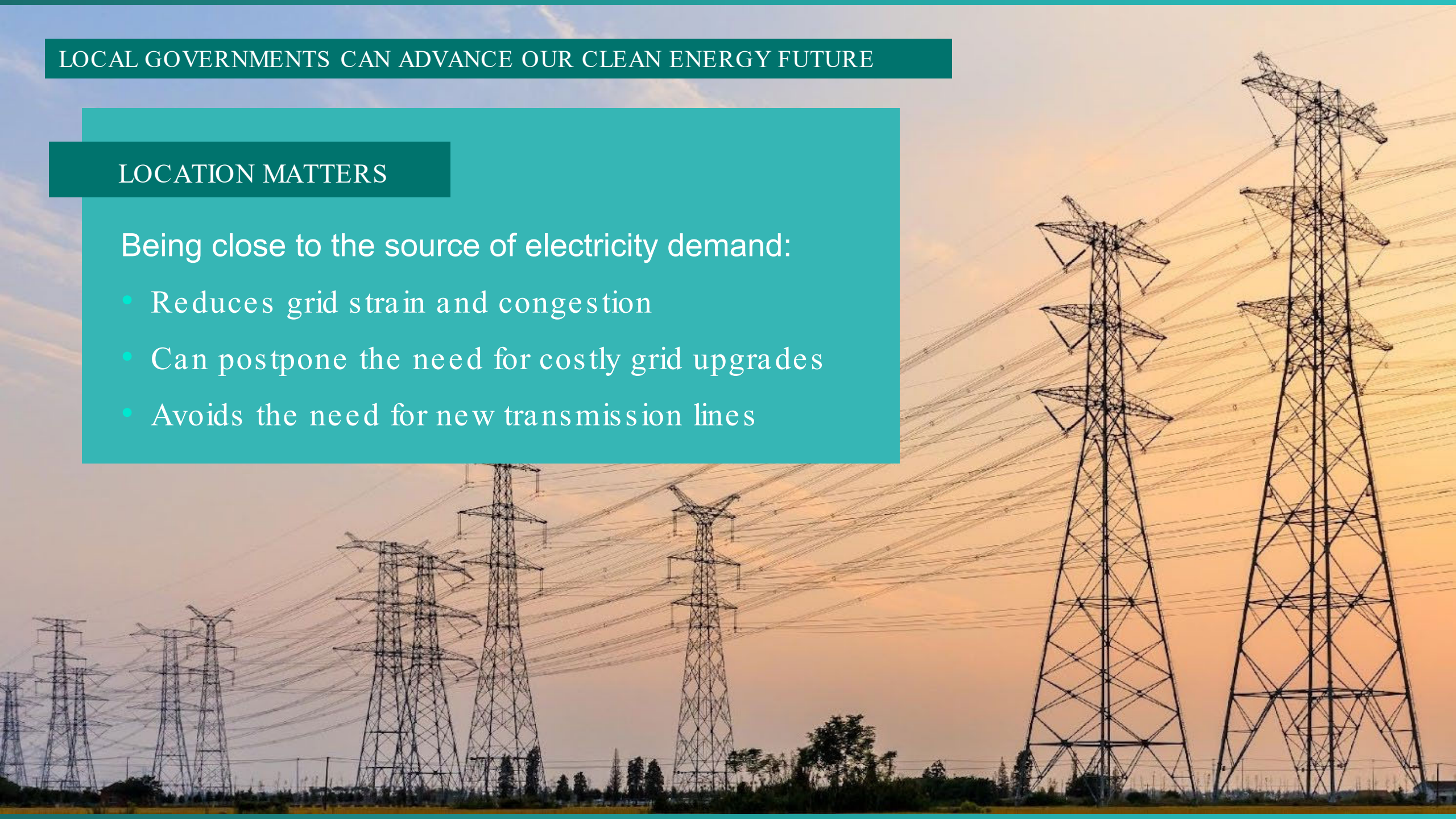
County of San Diego CAP Update: GHG Reduction Targets and Gap Analysis, April 2024

LOCAL GOVERNMENTS CAN ADVANCE OUR CLEAN ENERGY FUTURE

LOCATION MATTERS

Being close to the source of electricity demand:

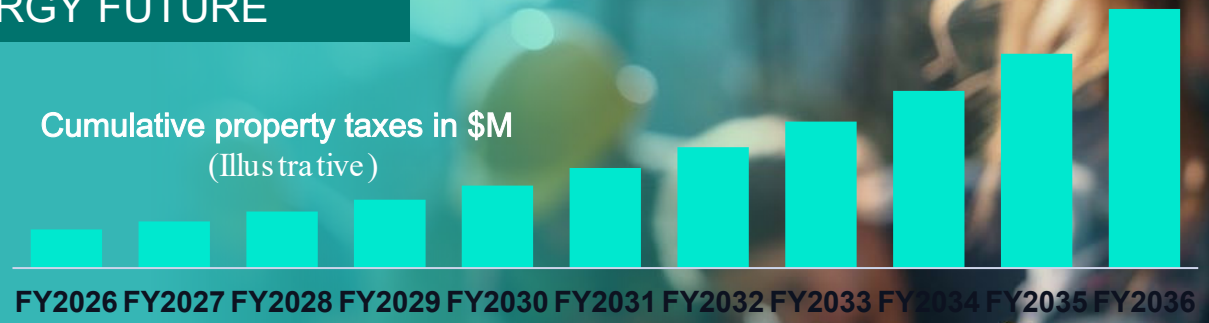
- Reduces grid strain and congestion
- Can postpone the need for costly grid upgrades
- Avoids the need for new transmission lines



LOCAL GOVERNMENTS CAN ADVANCE OUR CLEAN ENERGY FUTURE

Battery storage projects have community benefits

- Millions in local sales and property taxes that help fund school, community college, and fire districts
- 100s of construction jobs
- Dozens of direct and indirect operations and maintenance jobs
- Community partnerships including philanthropic and infrastructure initiatives



Typical Large -scale Project Economic Benefits	
Project size	**30 MW - 300 MW**
Sales tax	$800K - $12M
Annual property tax*	$500K - $6M
Construction jobs	200 - 450
O+M jobs (direct)	10 - 18
O+M jobs (indirect)	9 - 17

** Subject to depreciation*

BATTERY STORAGE: KEY FOR SAN DIEGO'S CLEAN ENERGY FUTURE

Critical to the clean, reliable energy future San Diegans want and that our regional economy needs:

- Necessary for our grid's resilience
- Follow national safety standards and best practices
- Safe: battery fires are rare and their impacts contained
- Essential to local renewable energy goals to meet state mandates

San Diego is a success story, but more action is needed to keep pace.


cleantech
SAN DIEGO
Battery Storage + San Diego's
Clean Energy Future
Thank You

Public Comment on Item No. 8

Item No. 8

Committee Members Comments or Questions

Informational Update on Battery Energy Storage Systems

Recommendation:

Receive and File Informational presentation on battery energy storage systems.

Item No. 9

Quarterly Update on Regulatory and Legislative Affairs

Presenters:
Patrick Welch, Associate Director of Legislative Affairs
Aisha Cissna, Senior Policy Manager
Dean Kinports, Senior Strategic Policy Manager
Stephen Gunther, Regulatory Manager

Recommendation:

Receive and File Update on Regulatory and Legislative Affairs

State Legislative Outcomes

- The 2025 legislative session concluded on September 13 and the Governor's bill signing period ended on October 13
- The Legislature sent 917 bills to the Governor to sign or veto; 794 bills were signed into law
- Of the 170 bills tracked by Community Power, 76 were passed by the Legislature and 51 were signed into law
- Pursuant to Community Power's Board approved Legislative Platform, Community Power supported 11 bills and took an oppose unless amended position on another two
  - Six supported bills were signed into law, three stalled in the legislative process and two were vetoed
  - The two bills Community Power sought amendments to did not pass
- Community Power also supported two funding efforts, one of which was passed
- The 2026 legislative session begins on January 5, 2026

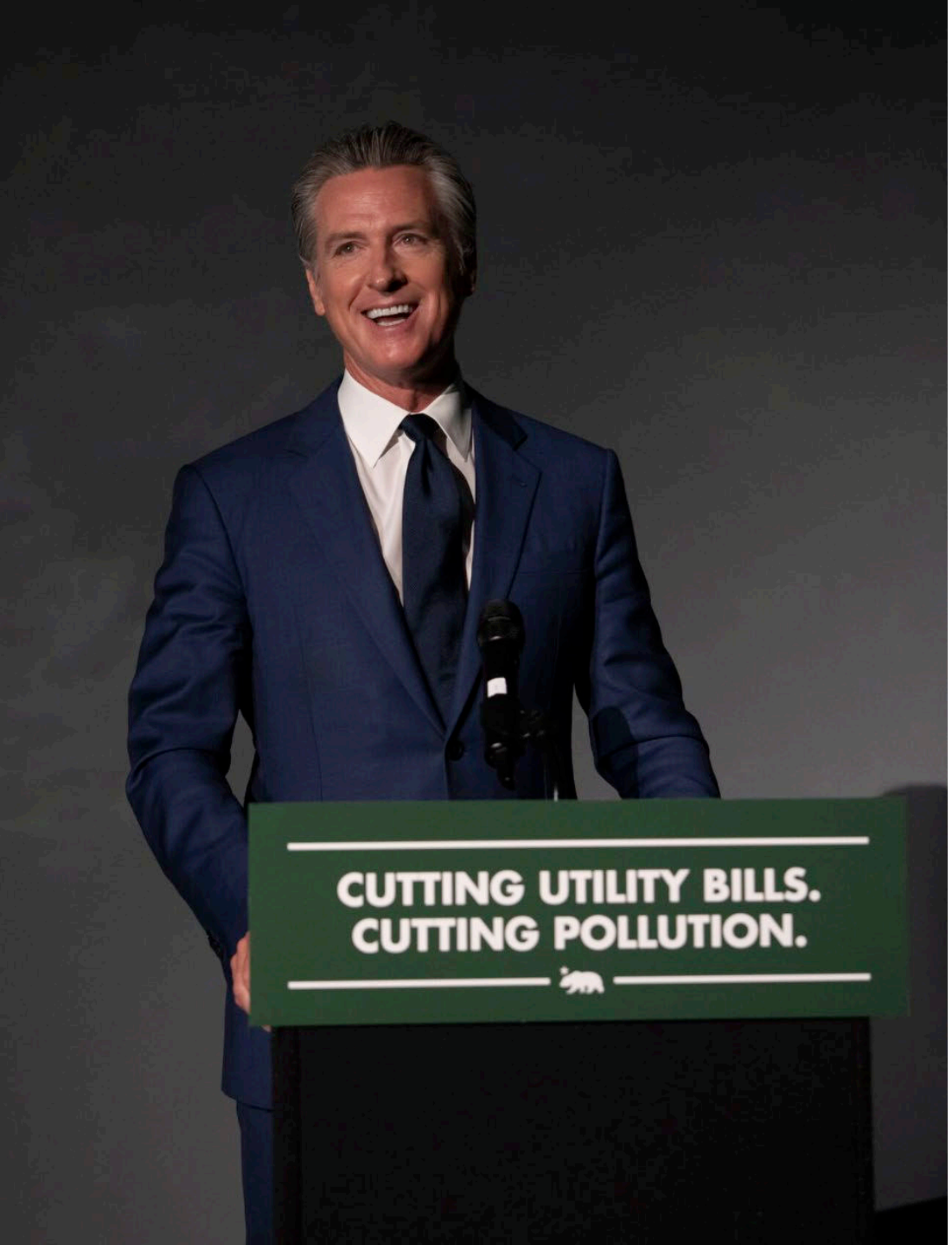
State Legislative Outcomes: Supported Bills

Brown Act Reforms Signed into Law

- **SB 707 (Durazo):** Overhauls the Brown Act, which governs public meetings and incorporated provisions from two other bills supported by Community Power:
  - **SB 239 (Arreguin) provisions:** Subsidiary bodies like the Community Advisory Committee can use streamlined teleconference procedures until January 1, 2030, if certain conditions are met.
  - **AB 259 (Rubio) provisions:** Legislative bodies can continue to use the just cause and emergency circumstances teleconferencing procedures through January 1, 2030.

Other Bills Signed Into Law

- **SB 283 (Laird):** Mandates fire department consultation and inspection of energy storage systems to ensure safety while supporting clean energy infrastructure.
- **SB 302 (Padilla):** Aligns state tax law with federal clean energy tax provisions related to the transfer of tax credits, enabling non-taxable transferable tax credits, which could reduce project costs by 1–6%, supporting cost-effective decarbonization.



Energy & Climate Legislative Package Signed Into Law

- **AB 825 (Petrie-Norris):** Community Power supported, this bill allows the California Independent System Operator to participate in an independently governed regional market organization formed after January 1, 2028. Has the potential to:
  - Lower energy costs by $1 billion annually
  - Reduce natural gas generation by 31%
  - Increase grid reliability
- **SB 254 (Becker):** Framed as a ratepayer affordability package, this bill:
  - Creates a $18 billion wildfire continuation account
  - Bars rate-basing $6 billion in wildfire investments
  - Creates new transparency on IOU profits and demand growth planning
  - Creates a new public Transmission Infrastructure Accelerator
- **AB 1207 (Irwin):** Extends the state's Cap-and-Trade program through January 1, 2046, and renames it Cap-and-Invest
  - Preserves and modifies the California Climate Credit which is projected to provide up to $60 billion in value to ratepayers

State Legislative Outcomes: Vetoes and Funding

Vetoed Bills Supported by Community Power

- **AB 44 (Schultz):** Would have required the California Energy Commission to publish its load modification methodology
- **AB 740 (Harabedian):** would have required a statewide virtual power plant deployment plan

Funding Outcomes

- **SB 105 (Committee on Budget):** Appropriated $46.1 million for the California Energy Commission's Distributed Electricity Backup Assets program, a funding mechanism supported by Community Power
- The Legislature did not provide funding for the Demand Side Grid Support program, something Community Power supported

Oppose Unless Amended Outcomes

- **AB 825 (Petrie-Norris):** Would have created a Statewide Demand Management Oversight Task Force to make binding recommendations about customer programs, including San Diego Regional Energy Network and Board approved programs
  - Gut and amended into legislation on regional energy markets
- **AB 1295 (Patterson):** Would have led to unbalanced reforms to customer bills
  - Held on the Suspense File by the Assembly Committee on Appropriations

Integrated Resource Planning (IRP)

The IRP process is the “umbrella” proceeding at the California Public Utilities Commission (CPUC) for mapping out the state’s long-term electricity needs to ensure California has a safe, reliable, and cost-effective electricity supply.

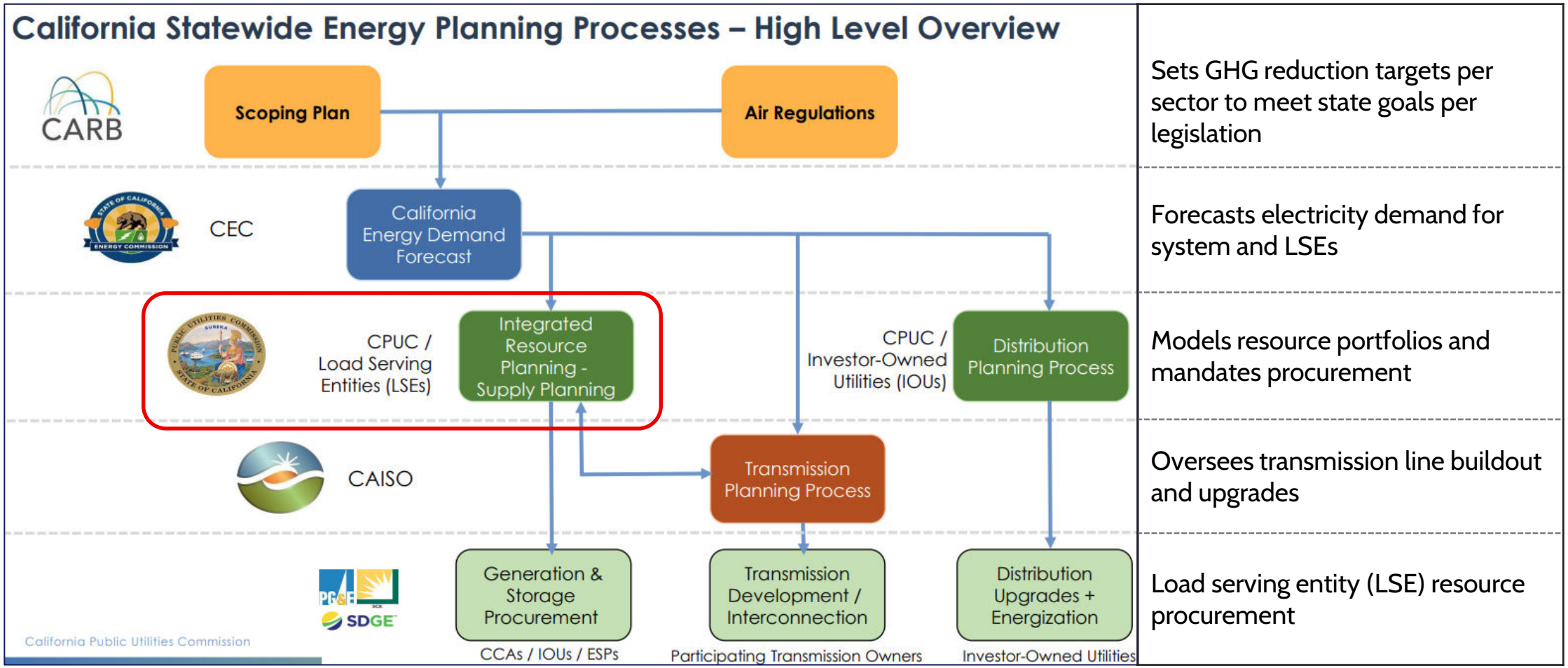
+

The primary venue for plans to achieve the goals of Senate Bill (SB) 350 and SB 100 for reductions of greenhouse gas (GHG) emissions from the electricity sector.

Recent activity

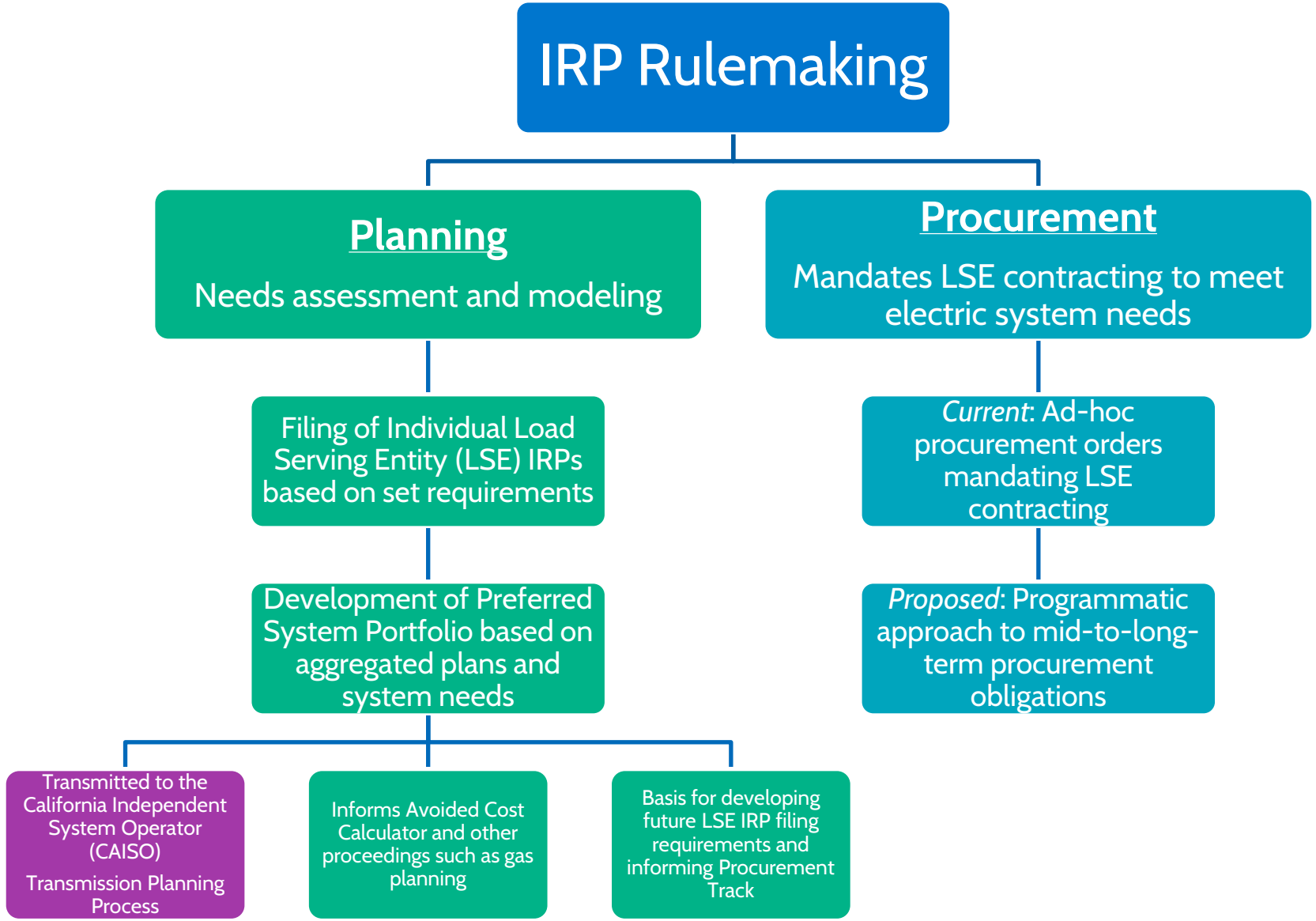
- New proceeding opened at CPUC and Scoping Memo issued
- CPUC Ruling seeking comment on potential procurement order
- Continued development of Reliable and Clean Power Procurement Program (RCPPP)

IRP: Statewide Context



Source: [CPUC Overview of the CPUC's IRP Cycle, March 1, 2025]

IRP: Proceeding Overview



IRP: Order Instituting Rulemaking and Scoping Memo

June 26, 2025: CPUC adopted the **Order Instituting Rulemaking** (OIR) establishing the new IRP proceeding in Docket R.25-06-019, which will be the primary venue for the CPUC's oversight of the IRP process and related issues.

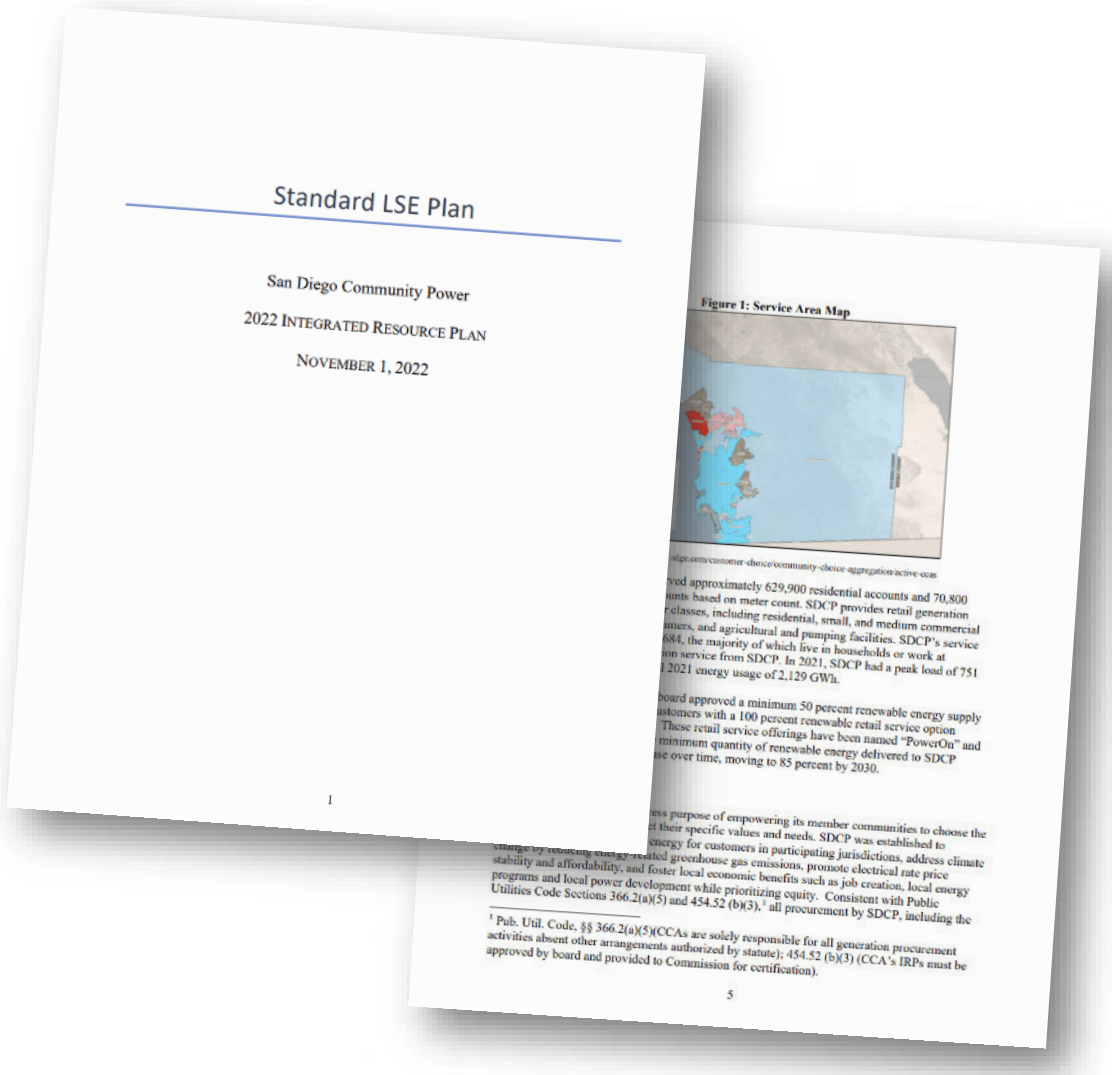
October 28, 2025: CPUC issued a **Scoping Memo and Ruling** outlining the issues and to be addressed in the IRP proceeding and the related schedule.

Scoped Issues

- Oversight and implementation of cyclical IRP Process
  - 2026-2027 Transmission Planning Process (TPP) portfolio development
  - Filing requirements for individual load serving entity (LSE) IRPs
  - Consideration of individual LSE IRPs
  - Development of Preferred System Plan (PSP) portfolio
  - Future TPP portfolio recommendations
  - Long-term local procurement planning and related reliability analysis
- Near-term reliability procurement need determination
- Updates to Investor-Owned Utility Bundled Procurement Plans
- Ongoing monitoring, compliance, and enforcement of prior procurement orders
- Coordination with the Department of Water Resources on Central Procurement Entity procurement of long-lead time resources
- Potential Implementation of Reliable and Clean Power Procurement Program (RCPPP)

IRP: Individual LSE Filing Requirements

- Per the Scoping Memo, LSEs, including Community Power, are required to file an updated IRP on **May 5, 2026**.
- CPUC staff anticipate finalizing template materials by the middle of November 2025.
  - **Narrative Template:** Describes how LSEs approached the process of developing their plans and present the result of analytical work.
  - **Resource Data Template**: Collects planned and existing monthly LSE contracting data, including for future resources which do not exist yet.
  - **Clean System Power** Calculator: Estimates the GHG and criteria pollutant emissions of LSE portfolios.
- IRPs require Community Power Board of Directors approval.
- Community Power filed its most recent IRP in 2022, which included two conforming portfolios to meet GHG emissions goals for 2030 and 2035.


Standard LSE Plan

San Diego Community Power

2022 Integrated Resource Plan

November 1, 2022

1

Figure 1: Service Area Map

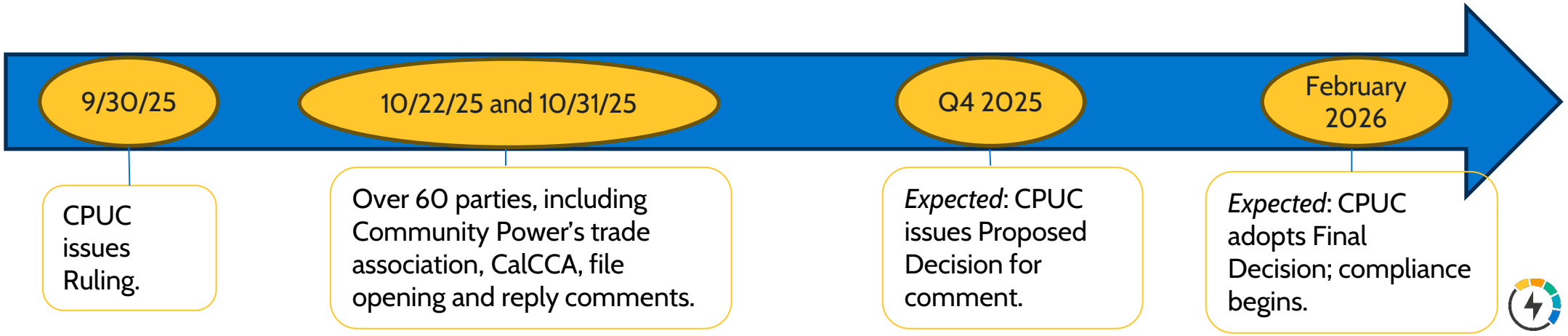
5

IRP: Ruling on near-term procurement need determination

- **September 30, 2025**: CPUC issued a Ruling within the new IRP proceeding inviting comments on proposed electricity resource portfolios for use in the CAISO's 2026-2027 Transmission Planning Process (TPP) and on staff's analysis on the need for additional incremental reliability procurement.
  - The need determination analysis recommend the CPUC order the resource procurement of **6,000MW** to be allocated across LSEs, including Community Power.
  - Staff recommend the procurement order use the same framework as the previous mid-term reliability (MTR) Decisions.
  - The Ruling included 27 questions for party input.

Table 11. Proposed Procurement To be Required from LSEs Collectively (in ELCC MW)

Year	Cumulative Procurement Required in Model (rounded to nearest 500 MW)	Incremental Procurement Recommended
2029	3,000	1,500
2030	4,500	1,500
2031	4,500	1,500
2032	6,000	1,500



IRP: Reliable and Clean Power Procurement Program (RCPPP)

Proposal
- **April 29, 2025**: CPUC issued a Ruling with RCPPP Staff Proposal.

Workshops
- CPUC held stakeholder workshops on **May 16**, and **June 23 & 24, 2025.**

Comments
- **July 15, 2025**: Parties filed opening comments and alternative proposals.
- **August 5, 2025**: Parties filed reply comments.

Next Steps
- CPUC issues a Proposed Decision potentially adopting RCPPP, at which point it will be **taken up in new IRP proceeding**.

- The goal of RCPPP is to give LSEs a more predictable regulatory framework to procure their share of the resources needed to meet electric system reliability and GHG emission reduction goals at least cost.
- The Staff Proposal is divided into two main parts:
  - Proposal for meeting **reliability** needs
  - Proposal for achieving **GHG emissions reductions** goals
- Each framework includes the following components:

Need Determination	Need Allocation	Compliance	Enforcement
• The use of technical analysis to specify the needed quantities of resource attributes, such as effective capacity, firm energy, and/or clean energy attributes, over a specified period.	• Specifying what quantity of the required resource attributes each LSE should be required to provide, considering factors such as load migration and each LSE's existing portfolio of owned and/or contracted resources.	• LSE data filing requirements and resource counting metrics that allow for monitoring of compliance with procurement obligations.	• Financial penalties to address an LSE's failure to meet its procurement obligations.

Source: CPUC Staff Proposal: Reliable and Clean Power Procurement Program, April 29, 2025

SDG&E's Energy Resource Recovery Account Forecast

Purpose of the Proceeding:

- The annual Energy Resource and Recovery Account (ERRA) forecast proceedings establish the amount of the Power Charge Indifference Adjustment (PCIA) and other non-bypassable charges (NBCs) for the following year, as well as fuel and purchased power costs associated with serving bundled customers that utilities may recover in rates.
- Changes to fuel costs, contract prices, or market revenues affect the above-market portion of the IOU's procurement costs, which in turn influences the PCIA.

How it impacts Community Power:

- The CPUC evaluates how much of these costs should be allocated to "departing load" customers via the PCIA.
- The approved forecast has impacts on both Community Power and bundled customers.

Community Power actively participates in the proceeding to ensure our customers aren't unfairly charged

SDG&E's Energy Resource Recovery Account Forecast

Key Issues in the 2026 Forecast proceeding:

- **Use and Valuation of Banked Renewable Energy Credits**: SDG&E proposed the use of pre-2019 banked Renewable Energy Credits (RECs) at zero value for Renewable Portfolio Standard compliance.

- **Resource Adequacy Market Price Benchmark (RA MPB) Methodology**: Community Power opposed SDG&E's proposal to use new RA MPB for 2025 true-up derived from the newly revised calculation methodology.

- **Rate Impacts**:
  - SDG&E's October Update projects significant increases in SDG&E rates for 2026.
    - System average commodity rates: +18.94%
    - System average total rates: +11.92%

SDG&E Application to Withdraw from Regional Energy Efficiency

Proceeding schedule:

Date	Item
September 2025	Briefs on legal permissibility of withdrawal
January-February 2026	Testimony on policy and factual issues
March 2026	Ruling on need for evidentiary hearings
Remaining Schedule if Hearings Aren't Needed	
April 2026	Briefs on policy and factual issues
June-July 2026	**Proposed decision and vote on all issues**
Remaining Schedule if Hearings Are Needed	
April 2026	Hearings
May 2026	Briefs
July-August 2026	**Proposed decision and vote on all issues**

SDG&E Application to Withdraw from Regional Energy Efficiency

Policy and Factual Issues – Key Themes

Administrative Responsibility	Customer Affordability and Ratepayer Impacts	Equity and Access to Services	Programmatic and Geographic Gaps	Portfolio Performance
• As a matter of policy, whether the CPUC should allow SDG&E to withdraw and assign primary regional administration to SDREN or another entity.	• How withdrawal would affect customer bills, ratepayer benefits, and affordability.	• Impacts on disadvantaged and hard-to-reach communities, and needed safeguards for equitable access.	• Overlaps or gaps in programs and coverage if SDG&E withdraws, and implications for service continuity.	• Reasons for SDG&E's performance to date, potential strategies to optimize performance, and how energy efficiency compares to alternative investments for managing load growth.

Public Comment on Item No. 9

Item No. 9

Committee Members Comments or Questions

Update on Regulatory and Legislative Affairs

Recommendation:

Receive and File Update on Regulatory and Legislative Affairs

Item No. 10

Update on Smart Home Flex Project

Presenter: Nelson Lomeli, Senior Program Manager

Recommendation:

Receive and File Update on the Smart Home Flex Pilot Project.

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Smart Home Flex Update

Nelson Lomeli, Sr. Program Manager

November 13, 2025

Load Flexibility

- Critical element of California's clean energy goals
- Supports grid reliability during extreme climate-induced events
- Allows increased use of renewable energy
- Can help lower costs for everyone
- Can reduce Resource Adequacy obligations

Community Power's Flex Load Strategy

- Increases affordability
- Supports development of programs that reduce high-cost, on-peak energy
- Lowers resource adequacy and energy procurement costs for all customers
- Control assets incentivized through programs with single platform

SDCP VPP Goal by 2035

50 MW
VPP resources

Smart Home Flex


Smart Thermostats


Heat Pump Water Heaters


Pool Pumps


Behavioral


EV Charging


Commercial

Development of Smart Home Flex

Jan – Mar 2024

Flex Load Strategy Presented to Board

July – Sept 2024

Virtual Peaker Selected as DERMS Provider

Jan - Mar 2025

Smart Home Flex (BYOD) Pilot Launches

June – Oct 2025

Smart Flex Events Called for Thermostats

April – June 2026

Scale Smart Home Flex & Seek Funding for Relaunch

Apr – June 2024

RFP for DERMS Released

Oct – Dec 2024

Bring Your Own Device (BYOD) Pilot Design and Development

Apr – June 2025

Develop dispatch strategy and prepare for events

Nov 2025 – March 2026

Conduct impact evaluation

Smart Home Flex Pilot Goals

- Support development of Community Power's 150 MW VPP
- Test out capability of the DERMS platform
- Gather data and lessons learned
- Validate the value stream

Device Level Goals:

- Enroll 2,000 smart thermostats
- Dispatch 90% of enrolled thermostats in every event
- Enroll 100 heat pump water heaters
- Shift water heating to times when there's abundant renewable energy

Results

Smart Thermostats

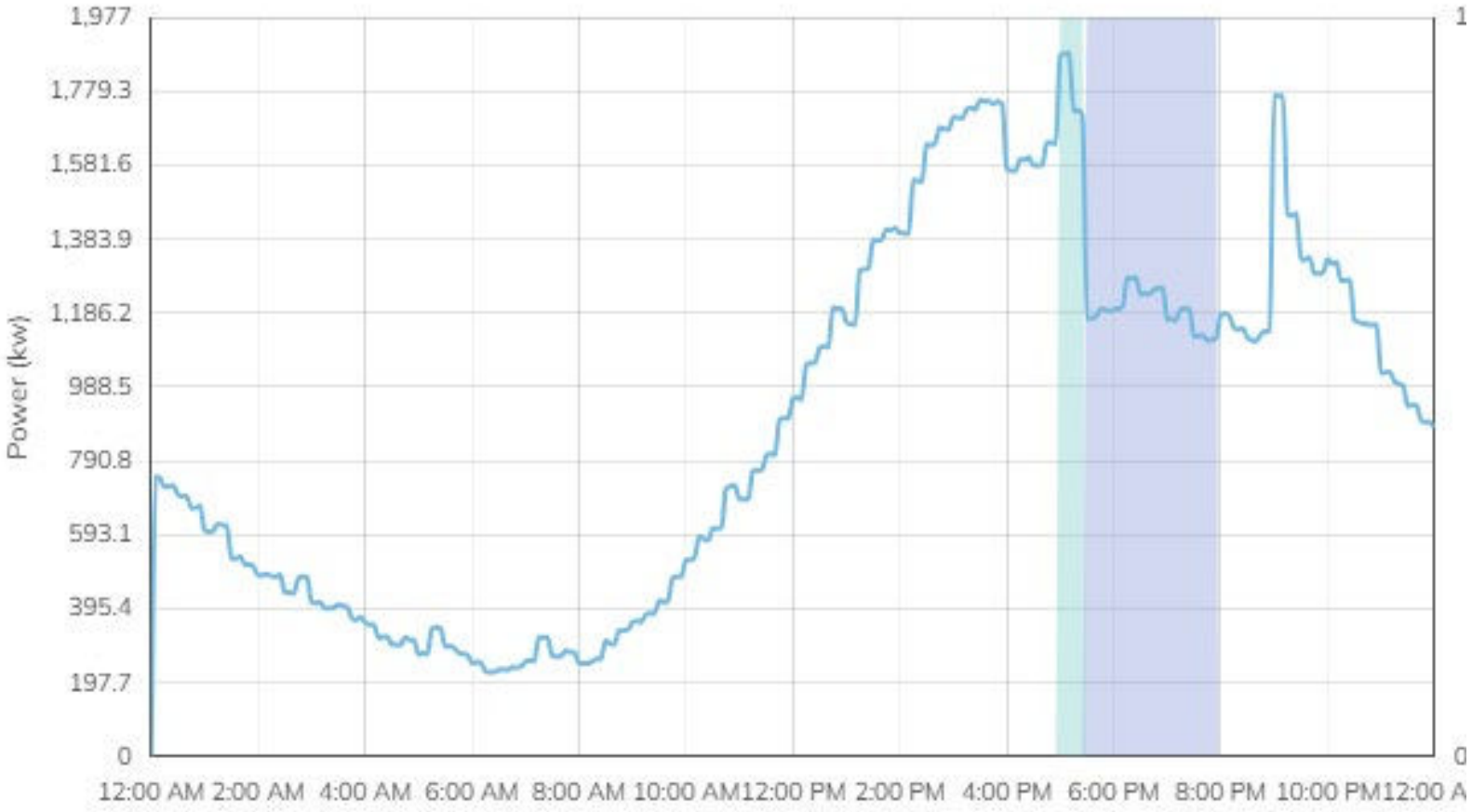
1,989 smart thermostats enrolled

7 events called in summer 2025
(mild summer)

90%+ participation rate for events

Example of Event – Aug. 22, 2025

- High of 78°F & 68% humidity
- Scheduled event to start at 5:30 PM
- Event duration of 2.5 hours
- Precool for 0.5 hour before
- 1,670 smart thermostats participated
- 480 kW* maximum reduction
- 333 kW* average reduction



** Preliminary estimates from Virtual Peaker platform. Not validated. Results will be evaluated and confirmed in upcoming impact evaluation of the pilot.*

Results

Water Heaters

Default Water Heater Rewards program for TECH incentivized water heaters

Anticipate ~100 water heaters to enroll through TECH

2 Rheem Wi-Fi connected water heaters enrolled and reporting data

Expanding enrollment with universal control modules purchase

Next Steps

- Send out participation incentives
- Evaluate Smart Home Flex Pilot
- Assess scaling Smart Home Flex in 2026

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Thank You

Public Comment on Item No. 10

Item No. 10

Committee Members Comments or Questions

Update on Smart Home Flex Project

Recommendation:

Receive and File Update on the Smart Home Flex Pilot Project.

Item No. 11

Update on California Energy Commission Grant Agreement EPC-25-015

Presenter: Rachel Zook, Program Manager

Recommendation:

Receive and file update on Grant Agreement EPC-25-015 with the California Energy Commission (“CEC”).

Update on CEC Grant Agreement EPC-25-015

V1G Pilot Background

- **EV Flex Connect**
  - V1G/managed charging pilot program launched in February 2025
  - Focused on residential customers that charge their eligible electric vehicle (EV) at home
  - Scope includes enrolling 1,000 participants, creating optimized charging schedules and monitoring charging activity
  - Goal is to learn about the load shifting capabilities of EVs and the value provided by V1G strategies

CEC Grant Opportunity

- The California Energy Commission (CEC) released a funding opportunity for projects that would:
  - Increase the value proposition of distributed energy resources to customers and the grid.
  - Identify vehicle-grid integration knowledge gaps.
- Staff leveraged EV Flex Connect data to secure funding for an analysis of the Pilot and the value of V1G strategies for Community Power.
- Staff partnered with researchers at Pacific Northwest National Laboratory (PNNL) on the proposal .
- Staff secured an agreement with SDG&E to support the research by providing distribution system operations data.

Grant Opportunity/Agreement Timeline

October 2024

CEC releases GFO-24-302

January 2025

CEC notifies Community Power that abstract passed and invites team to submit full project application

May 2025

CEC posts list of proposed awards, which includes Community Power's project

September 2025

CEC Commissioners unanimously approve the project

December 2024

Community Power submits project abstract in partnership with PNNL

March 2025

Community Power submits full project application

Summer 2025

Community Power works with CEC to finalize grant agreement documents

Grant Agreement for CHARGE UP Project

- The Charging Harmonization and Analysis for Resilient, Grid-Efficient Utilization and Planning ("CHARGE UP") project will analyze and quantify the value of advanced managing charging/V1G strategies in balancing bulk system and distribution operational needs.
- Grant Agreement EPC-25-015 outlines the CHARGE UP project. The total awarded amount is $693,611.
- Project partner/grant subrecipient PNNL will lead the technical analysis and receive about 90% of the total awarded amount for related tasks.
- Community Power will lead project management activities, coordinate engagement with EV Flex Connect and contribute expertise on CCA operations and resource planning. Community Power will retain about 10% of the total awarded amount for related tasks.
- SDG&E and Optiwatt are project partners. SDG&E will share distribution system data and expertise on distribution operations. Optiwatt will support pilot participant engagement and implementation of managed charging strategies.

Public Comment on Item No. 11

Item No. 11

Committee Members Comments or Questions

Update on California Energy Commission Grant Agreement EPC-25-015

Recommendation:

Receive and file update on Grant Agreement EPC-25-015 with the California Energy Commission (“CEC”).

Item No. 12

Creation of a 2026 CAC Work Plan Ad-Hoc Committee

Presenter:
Xiomalys Crespo, Senior Manager Community Engagement

Recommendation:

Approve the creation of a 2026 Community Advisory Committee (CAC) Work Plan Ad-Hoc Committee and appoint CAC volunteers.

Community Advisory Committee Ad-Hoc Committees

- The CAC may create an ad-hoc committee to discuss and recommend revisions to the CAC Work Plan for the 2026 calendar year.
- Ad-Hoc committees are temporary committees appointed for a specific purpose, such as updating the work plan.
- The CAC may establish temporary ad hoc advisory committees that:
  - Are composed of less than a quorum of the CAC;
  - Have no continuing subject matter jurisdiction;
  - Have no meeting schedule fixed by motion or other formal action of the CAC; and
  - Are not subject to Brown Act noticing and meeting requirements.

SAN DIEGO COMMUNITY POWER

Community Advisory Committee
2025 Work Plan

Focus	Description	Outcomes
Equity Overview	Prioritize justice, equity, diversity, and inclusion by working with the Community Power Board and Staff.	Ensure that the CAC provides input from an equity perspective on the tasks brought before them and monitor the equitable distribution of programming and service levels.
Training and Educational Presentations	CAC members may receive training and invite and hold educational presentations to the wider CAC to assist members in providing ongoing support to Community Power staff and its Board to achieve the mission, vision, core values, and goals of the agency.	Ensure 100%-member compliance with the following required trainings, regulations, and form submissions: • California Public Records Act • Ralph M. Brown Act • Ethics Training • Sexual Harassment Prevention Training • Statement of Economic Interests Ensure CAC is knowledgeable of Community Power operations as well as external issues that may impact the organization, which may include: • Community Power Orientation • Strategic Planning Process Overview & Participation • California Community Choice Association • Programs Overview and Programs-Specific Education • Finance & Rate Setting Process • Legislative Session 101 • Conflict of Interest and Ethical Conduct Policy • Battery Storage Guidelines and Community Impact • Local Infill Development • Community Power Website Guidance • State Efforts on Geothermal Energy

Public Comment on Item No. 12

Item No. 12

Committee Members Comments or Questions

Creation of a 2026 CAC Work Plan Ad-Hoc Committee

Recommendation:

Approve the creation of a 2026 Community Advisory Committee (CAC) Work Plan Ad-Hoc Committee and appoint CAC volunteers.

Item No. 13

Creation of a Community Power Plan Review Ad-Hoc Committee

Presenter:
Xiomalys Crespo, Senior Manager Community Engagement

Recommendation:

Approve the creation of a Community Power Plan Review Ad-Hoc Committee and appoint CAC volunteers.

Community Advisory Committee Ad-Hoc Committees

- The CAC may create an ad-hoc committee to review progress on the implementation of the Community Power Plan.
- Ad-Hoc committees are temporary committees appointed for a specific purpose. Volunteer members may come back to the CAC with a full report on ad-hoc committee activities.
- The CAC may establish temporary ad hoc advisory committees that:
  - Are composed of less than a quorum of the CAC;
  - Have no continuing subject matter jurisdiction;
  - Have no meeting schedule fixed by motion or other formal action of the CAC; and
  - Are not subject to Brown Act noticing and meeting requirements.

Public Comment on Item No. 13

Item No. 13

Committee Members Comments or Questions

Creation of a Community Power Plan Review Ad-Hoc Committee

Recommendation:

Approve the creation of a Community Power Plan Review Ad-Hoc Committee and appoint CAC volunteers.

Item No. 14

Creation of a Distributed Energy Resources/Local Infill Ad-Hoc Committee

Presenter:
Xiomalys Crespo, Senior Manager Community Engagement

Recommendation:

Approve the creation of a Distributed Energy Resources/Local Infill Development Plan Ad-Hoc Committee and appoint CAC volunteers.

Community Advisory Committee Ad-Hoc Committees

- The CAC may create an ad-hoc committee to learn about and discuss projected timelines and progress regarding Community Power's Distributed Energy Resources/Local Infill Development Plan.
- Ad-Hoc committees are temporary committees appointed for a specific purpose. Volunteer members may come back to the CAC with a full report on ad-hoc committee activities.
- The CAC may establish temporary ad hoc advisory committees that:
  - Are composed of less than a quorum of the CAC;
  - Have no continuing subject matter jurisdiction;
  - Have no meeting schedule fixed by motion or other formal action of the CAC; and
  - Are not subject to Brown Act noticing and meeting requirements.

Public Comment on Item No. 14

Item No. 14

Committee Members Comments or Questions

Creation of a Distributed Energy Resources/Local Infill Ad-Hoc Committee

Recommendation:

Approve the creation of a Distributed Energy Resources/Local Infill Development Plan Ad-Hoc Committee and appoint CAC volunteers.

Committee Member Announcements

Adjournment

SAN DIEGO COMMUNITY POWER

Next Regular Community Advisory Committee Meeting
December 4, 2025

CustomerService@SDCommunityPower.org