SAN DIEGO COMMUNITY POWER

Community Advisory Committee

Special Meeting

October 10, 2024

Welcome
&
Call to Order

Roll Call

Land Acknowledgement

Special Presentations and Introductions

Public Comment for Items Not on the Agenda

Items to be Withdrawn or Reordered on the Agenda

Consent Agenda

1. Approval of September 12, 2024, CAC Special Meeting Minutes

2. Receive and File Update on Marketing, Public Relations, and Local Government Affairs

3. Receive and File Update on Regulatory and Legislative Affairs

4. Receive and File Update on Programs

Public Comment for Consent Calendar

Regular Agenda

5. San Diego Community Power Five-Year Update
6. Update on Customer Operations
7. Update on Solar Battery Savings Program
8. 2024 Community Advisory Committee Workplan Update
9. Flex Load Strategy Update

Item No. 5

San Diego Community Power Five-Year Update

Recommendation: Receive and file the San Diego Community Power Five-Year Update.

Presenter:
Jen Lebron, Director of Public Affairs

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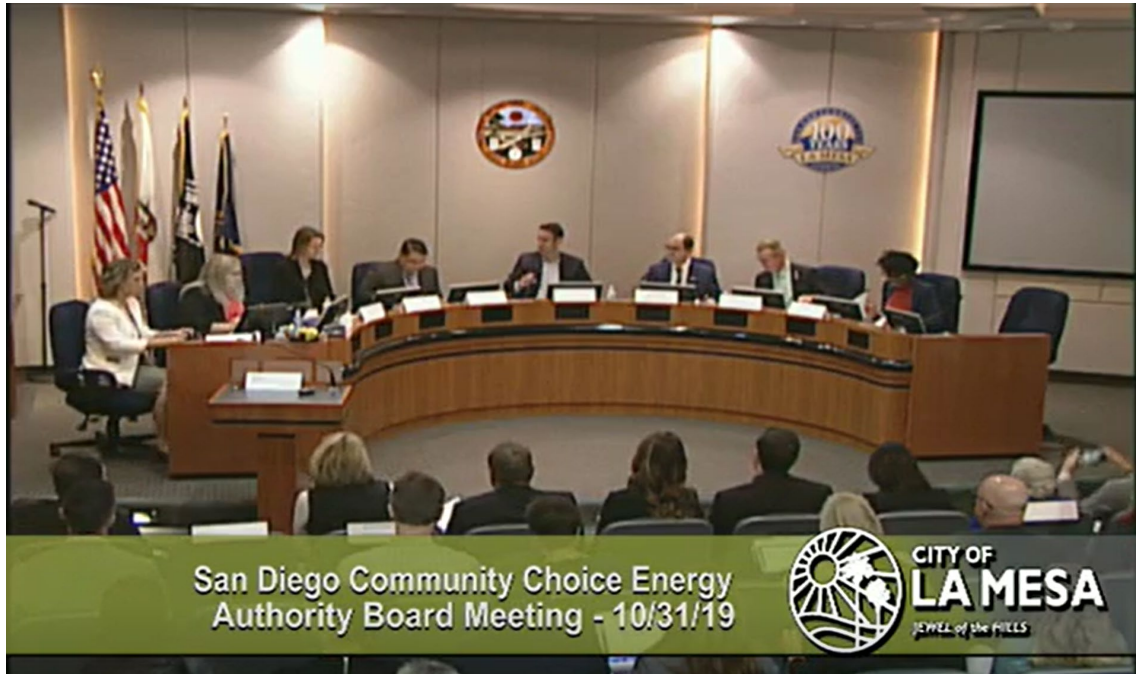
2019



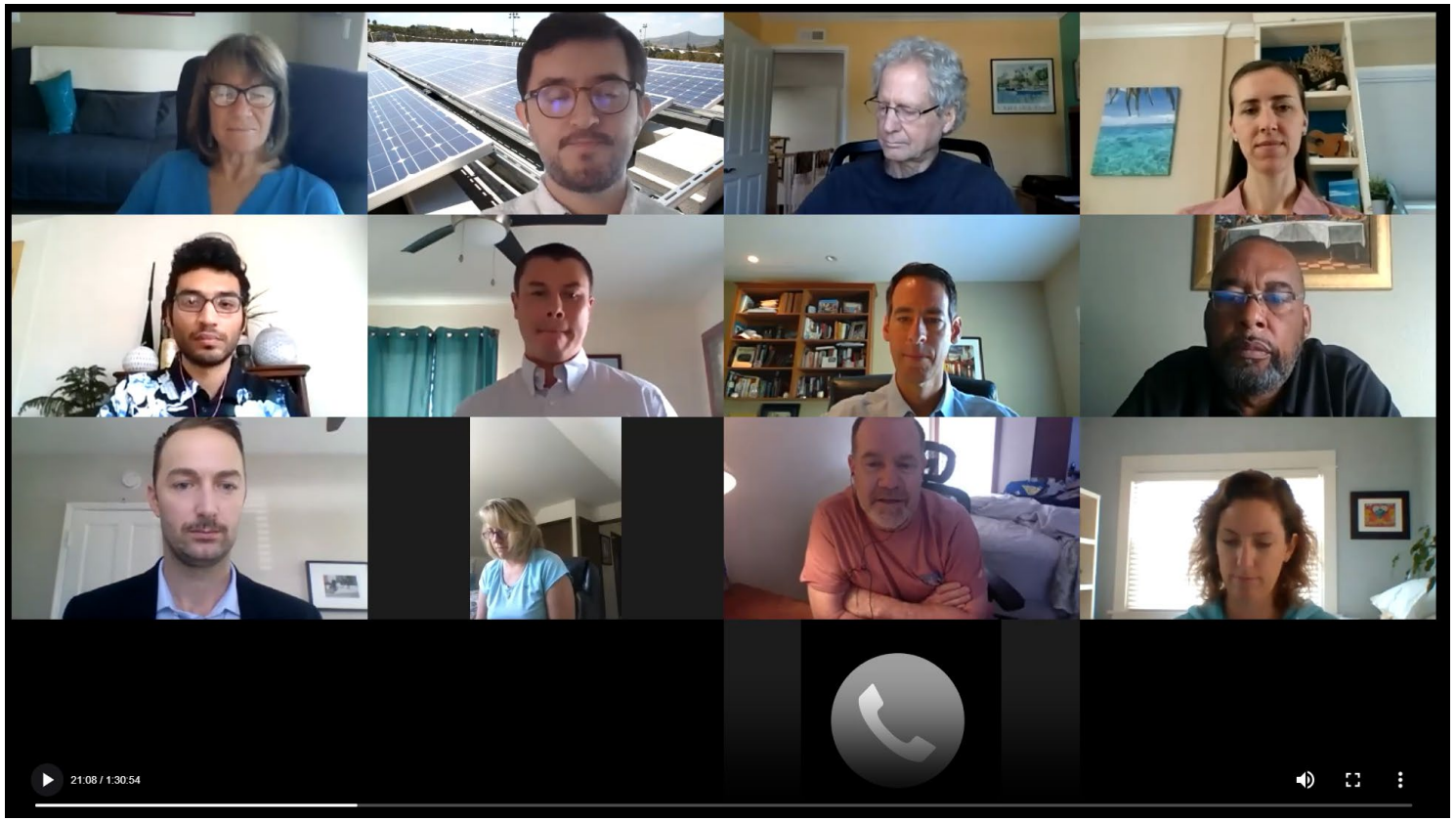
Community Choice Implementation Plan — San Diego Community Power

1. INTRODUCTION

1.1 Statement of Intent

San Diego Community Power ("SDCP") is a California Joint Powers Agency formed on October 1, 2019 for the purpose of providing a Community Choice Aggregation ("CCA") program through which to serve the retail electric service accounts of five SDCP communities including the Cities of Chula Vista, Encinitas, Imperial Beach, La Mesa and San Diego.

2020



AGENDA

Community Advisory Committee
San Diego Community Power (SDCP)

May 22, 2020

9:00 a.m.

2021

A SAN DIEGO
FOR ALL OF US
San Diego Mayor Todd Gloria
SAN DIEGO
COMMUNITY
POWER

2021

San Diego Airport to use 100 per cent renewable electricity

As part of its efforts to become more sustainable, San Diego International Airport will utilise 100 per cent renewable and 100 per cent carbon-free energy.

San Diego International Airport (SAN) has enrolled into San Diego Community Power's (SDCP) – the not-for-profit community choice energy programme – service and has decided to opt-up to the Power100 service level.

Illumina Commits to 100 Percent Clean, Renewable Energy from San Diego Community Power

Leading developer of life science tools joins an innovative group of Power100 Champions, leading the region to a sustainable future

Illumina and SDCP POWER100 Champions

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2022

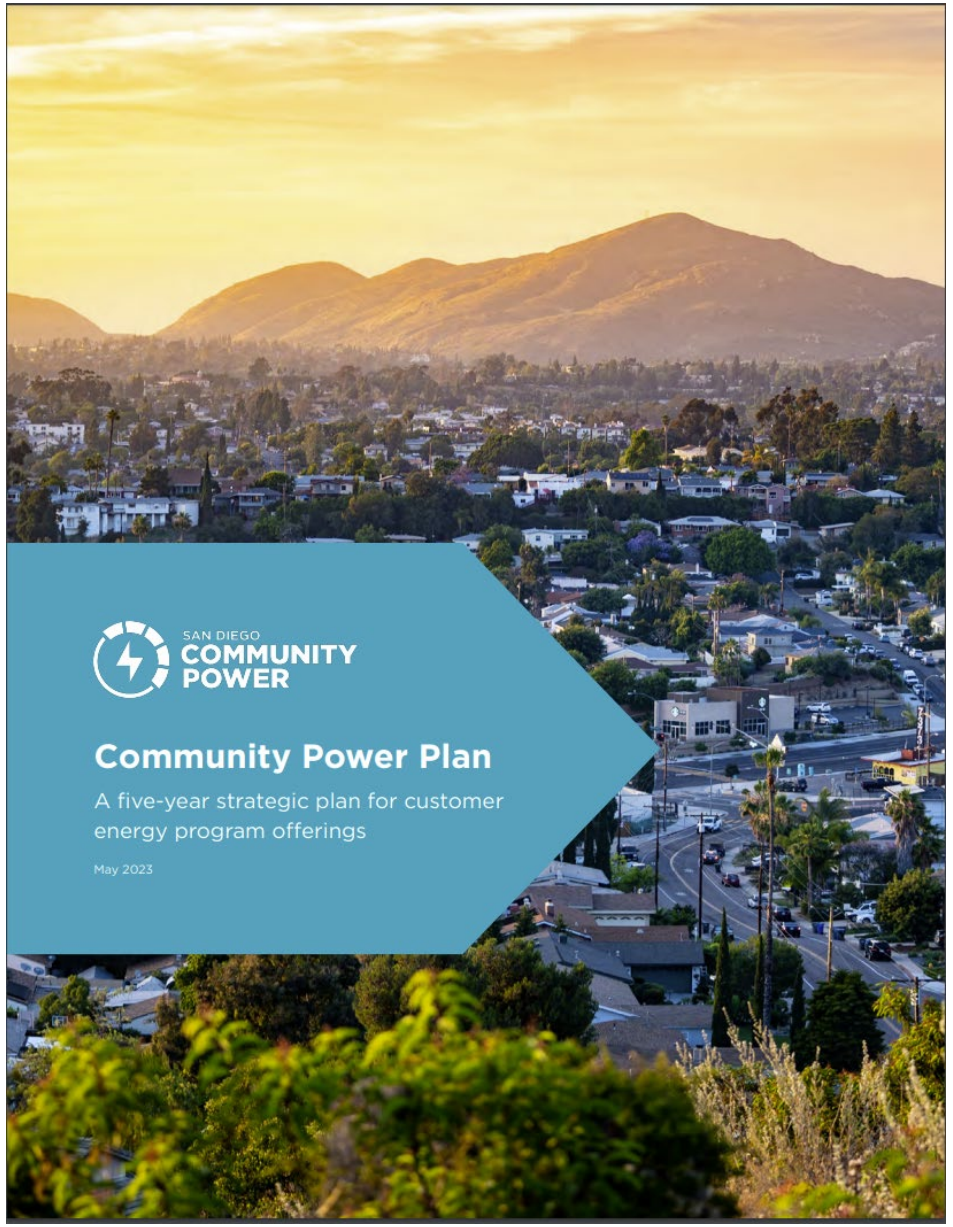
The San Diego Union-Tribune

MA

BUSINESS

The big switch: More than 700,000 electric customers begin moving from SDG&E to a community energy program

Residential customers in five cities transition to San Diego Community Power, starting in February.



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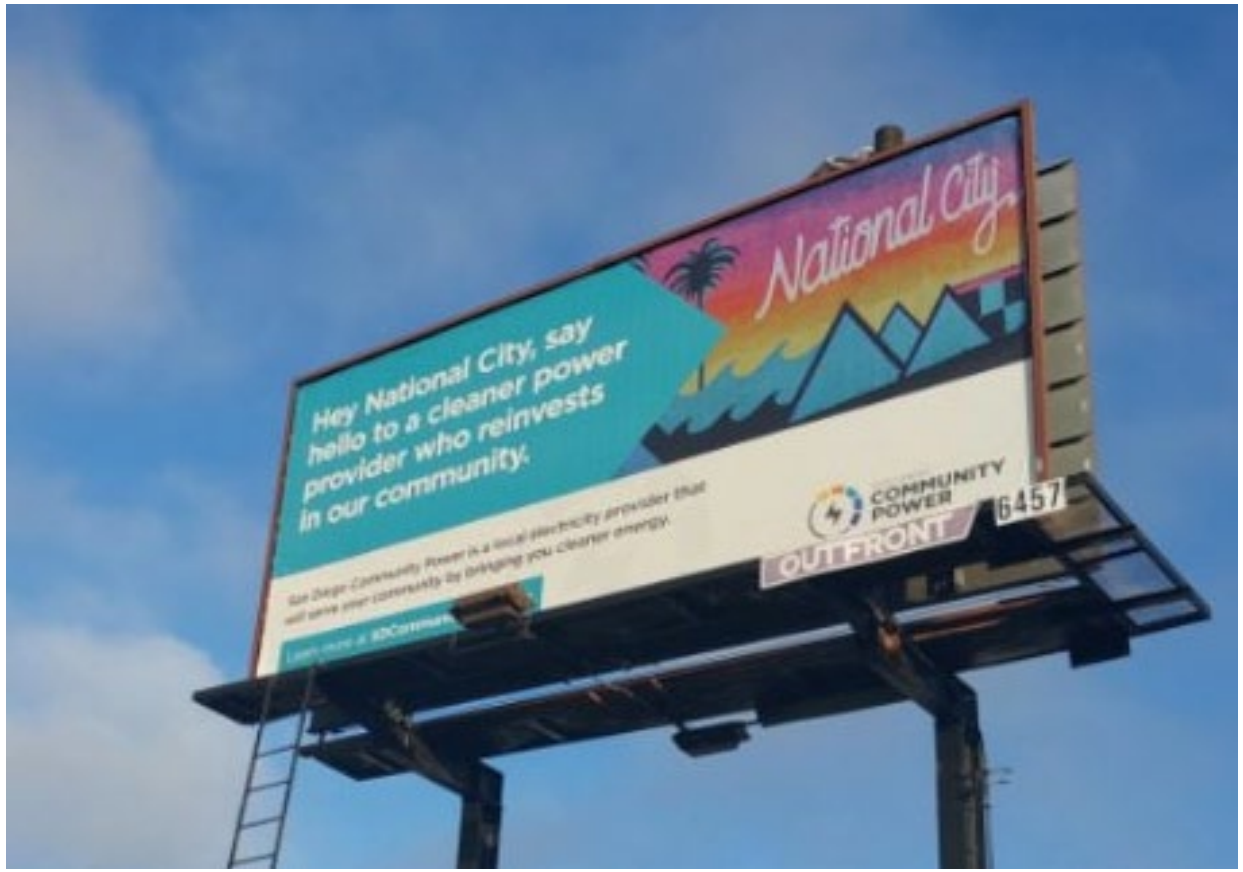
2023



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2024

The San Diego Union-Tribune

BUSINESS

San Diego Community adds new price options, including one offering utility customers lower rates

The community choice energy program serves six communities plus the unincorporated areas of San Diego County

SAN DIEGO COMMUNITY POWER

SOLAR BATTERY SAVINGS

SAN DIEGO COMMUNITY POWER

COUNTY OF SAN DIEGO

FOR IMMEDIATE RELEASE
Monday, Aug. 12, 2024

Public Utilities Commission Approves San Diego Community Power, County of San Diego Effort to Bring $124.3 Million to Make San Diego Homes, Businesses Energy Efficient

SAN DIEGANS WILL NOW BE ABLE TO TAKE PART IN PROGRAMS THAT HAVE BENEFITTED MILLIONS OF CALIFORNIANS

SAN DIEGO | LOCAL | WEATHER | TRAFFIC | SPO... | Watch News 24/7

TRENDING | Padres Game Schedule | Hurricane help | Decision 2024 | Ballot drop box locations | ...

SAN DIEGO

$1.2M in grants awarded to San Diego County Clean Energy Projects

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CELEBRATING

5

YEARS

Public Comment for Item 5

Item No. 6

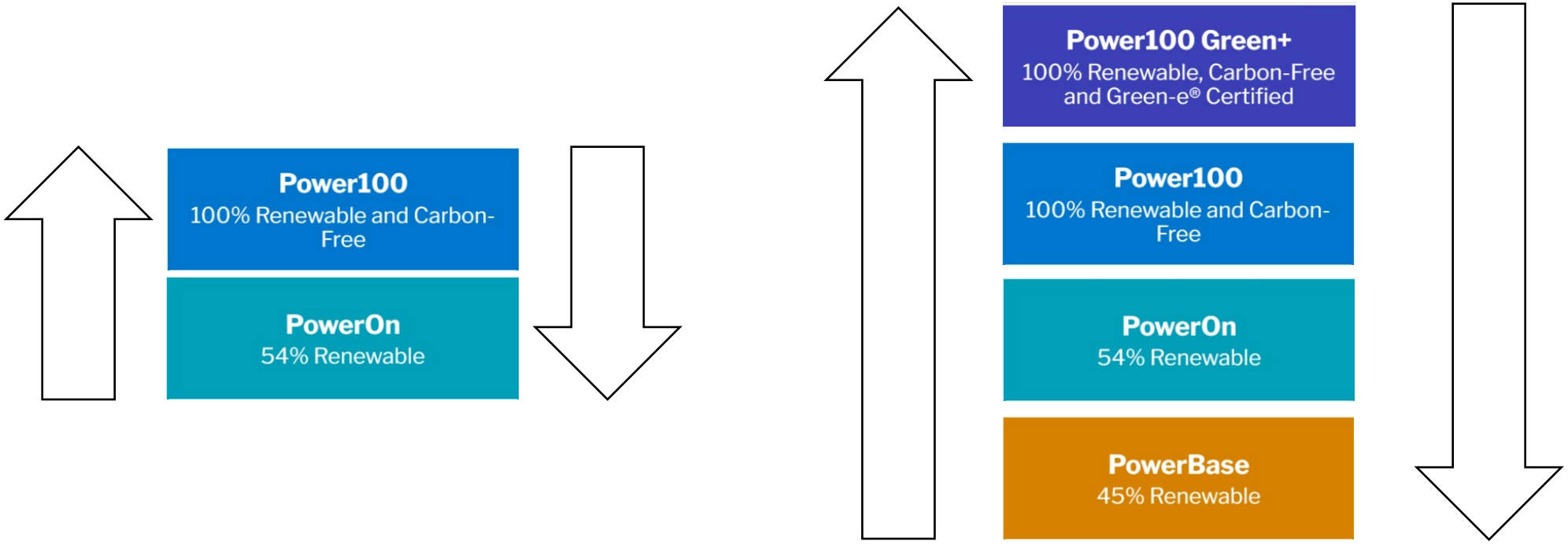
Update on Customer Operations

Recommendation: Receive and file update on Customer Operations.

Presenter:
Ryan Hanke, Data Analytics Manager

Why Update Participation Tracking

- Community Power has new Service Options
- Greater detail to see where customers are opting to and from



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Participation by Service Option

Changes:

- Split by Service Option

- Add **Service Option Default** to see which option customers started on by default

Service Option

PowerBase	PowerOn	Power100	Power100 Green+
Enrolled 2,262	Enrolled 919,116	Enrolled 34,109	Enrolled 1
Participation 0.2%	Participation 96.2%	Participation 3.6%	Participation 0.0%

Service Option Enrollment Summary

Jurisdiction	Service Option Default	Enrolled Accounts	Power Base Enrolled	Power Base %	PowerOn Enrolled	PowerOn %	Power 100 Enrolled	Power 100 %	Power100 Green+ Enrolled	Power100 Green+ %
City of Chula Vista	PowerOn	94,359	196	0.2%	93,259	98.8%	904	1.0%		
City of Encinitas	Power100	26,568	72	0.3%	440	1.7%	26,056	98.1%		
City of Imperial Beach	PowerOn	10,467	21	0.2%	10,367	99.0%	79	0.8%		
City of La Mesa	PowerOn	28,008	71	0.3%	27,677	98.8%	260	0.9%		
City of San Diego	PowerOn	602,131	1,202	0.2%	594,929	98.8%	5,999	1.0%	1	0.0%
County of San Diego	PowerOn	174,787	674	0.4%	173,334	99.2%	779	0.4%		
National City	PowerOn	19,168	26	0.1%	19,110	99.7%	32	0.2%		
Total		**955,488**	**2,262**	**0.2%**	**919,116**	**96.2%**	**34,109**	**3.6%**	**1**	**0.0%**

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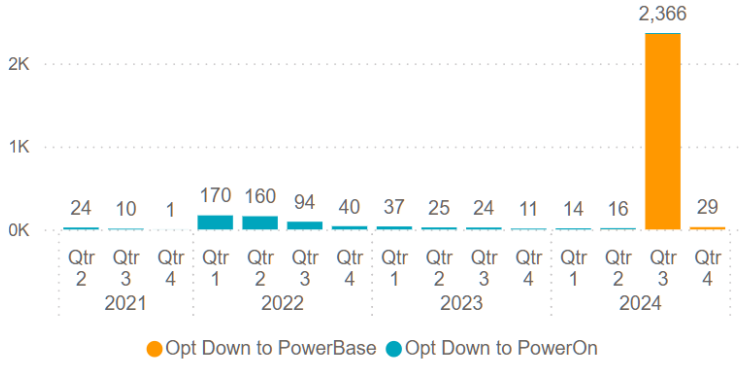
Opt Up/Down

Now shows the Service Option that was opted to

Opt Down History

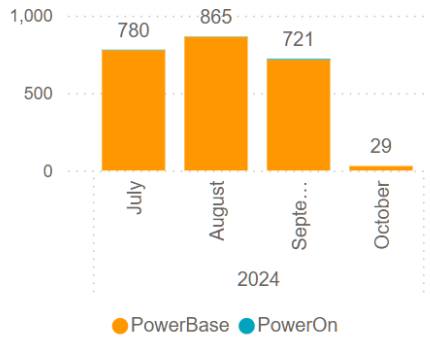
Total Opt Downs	Opt Downs Current*
3,021	2,759

Opt Downs Quarterly



Opt Downs Monthly

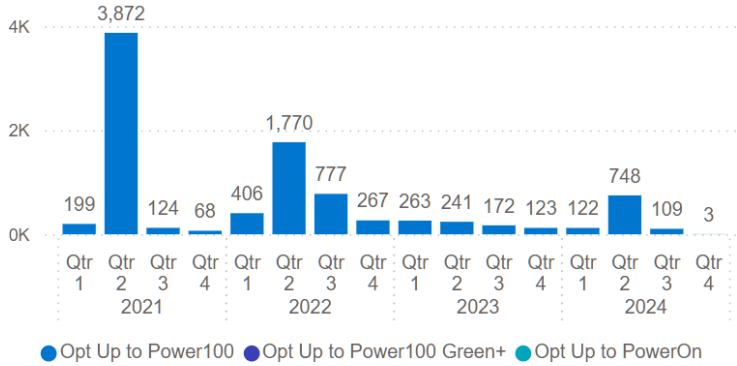
Last 4 Months



Opt Up History

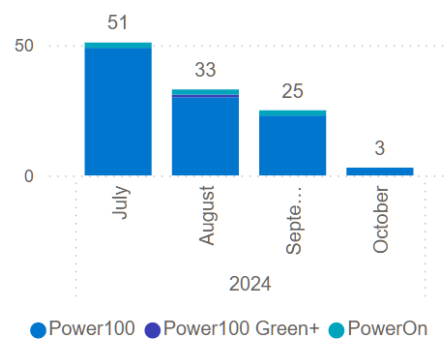
Total Opt Ups	Opt Ups Current*
9,264	8,108

Opt Ups Quarterly



Opt Ups Monthly

Last 4 Months



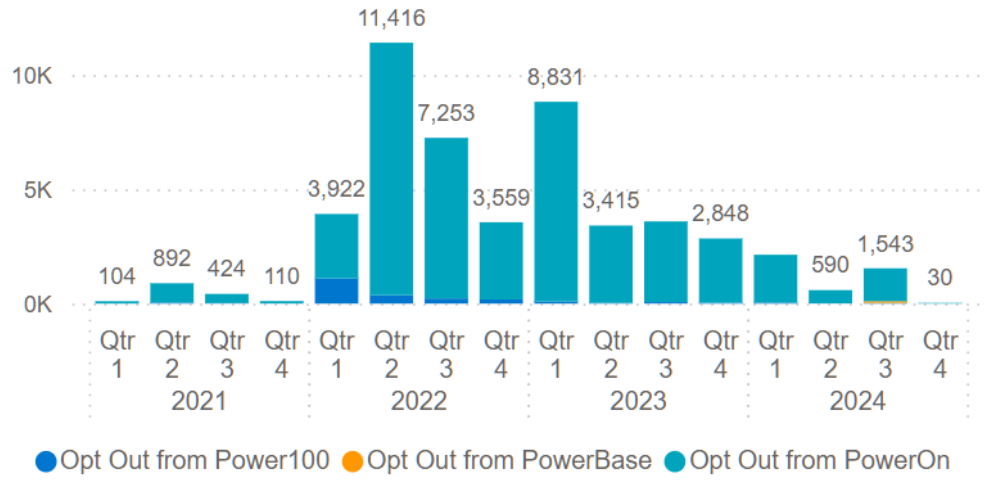
Opt Out

Now shows the Service Option that was opted from

Opt Out History

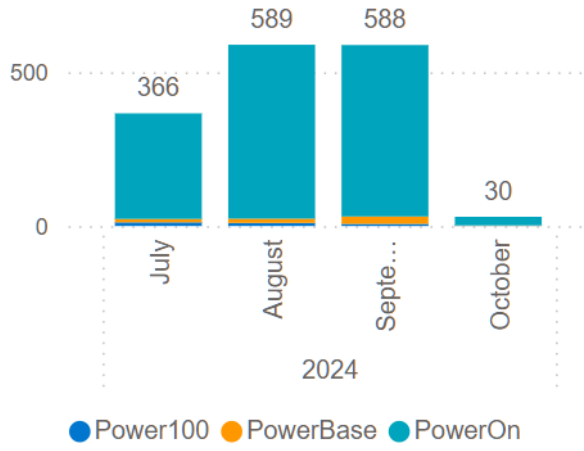
Total Opt Outs	Opt Outs Current*
50,671	44,915

Opt Outs Quarterly



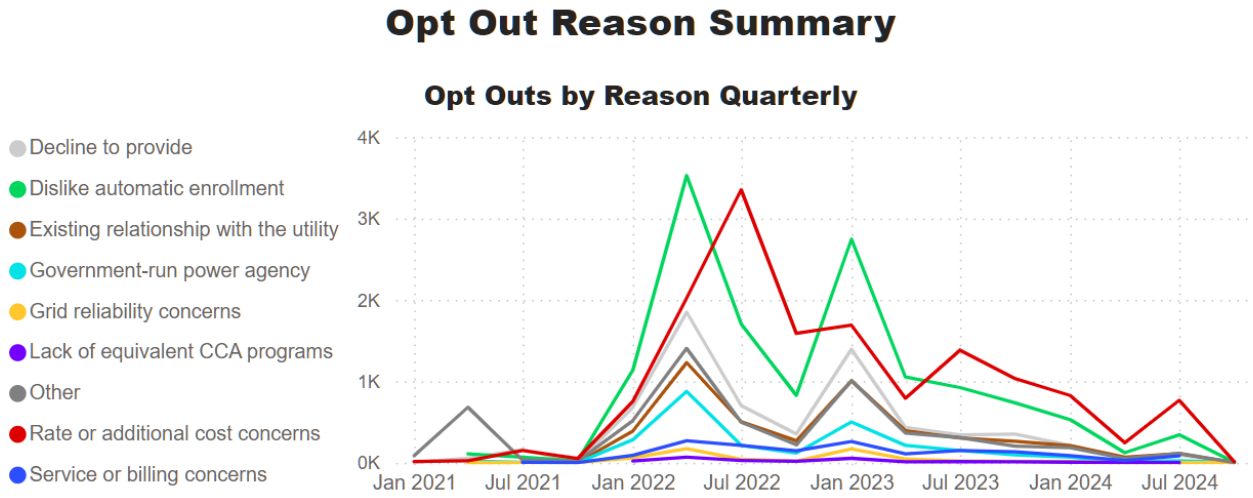
Opt Outs Monthly

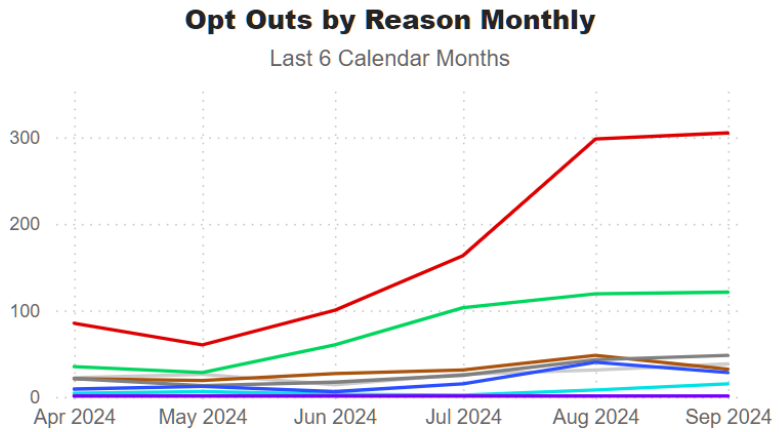
Last 4 Months

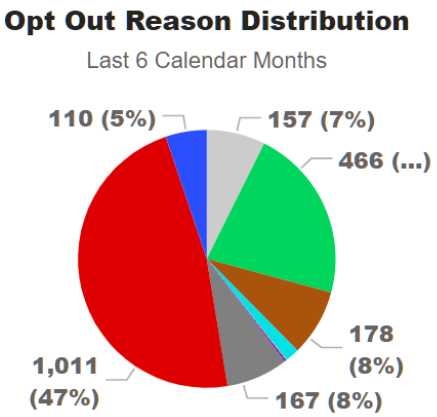


Opt Out Reason over Time

Now can visualize opt out reason trends over time







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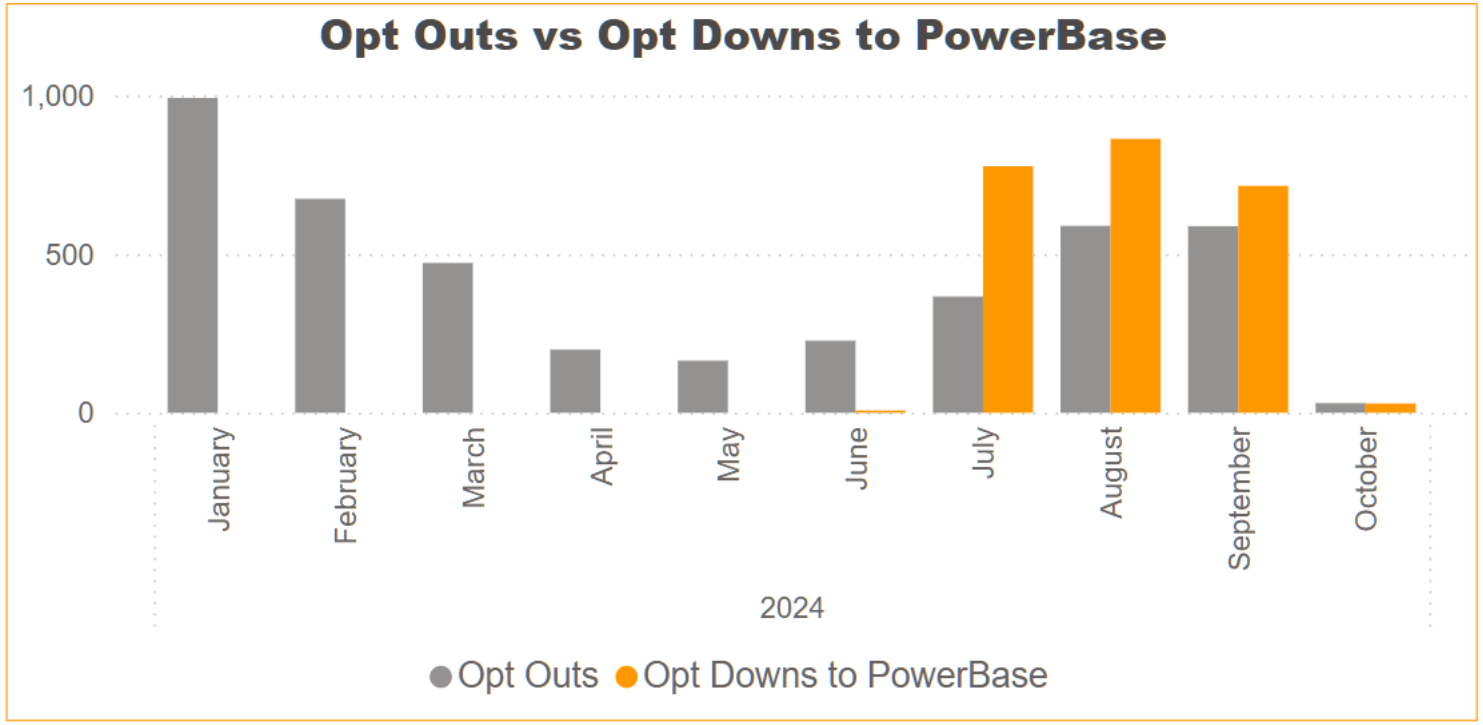
Tracking Opt Outs vs Opt Downs

- More accounts have opted down to PowerBase rather than opting out
- PowerBase has been valuable in retaining customers



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Public Comment for Item 6

Item No. 7

Update on Solar Battery Savings Program

Recommendation: Receive and file the Solar Battery Savings Program Update.

Presenter:
Emily Fisher, Senior Program Manager

Program Summary

Program Incentives		
	Market Rate	**CARE/FERA and/or Communities of Concern**
Solar Upfront Incentive	N/A	Up to $450/kW-AC[1]
Storage Upfront Incentive	$350/kWh (nameplate useable capacity)	Up to $500/kWh[2] (nameplate useable capacity)
Storage Performance Incentive	$0.10/kWh (based on actual performance over the dispatch period during on-peak periods)	

Program Details	
# of Events	Daily (weekday only or weekday+weekend)
Event Duration	2-5 hours
Battery Enrollment	Participants can select the percentage of their battery's useable capacity to enroll in the program, with a minimum requirement of 50%
Unenrollment	There will be a prorated claw back associated with the upfront incentive if the participant chooses to unenroll within the first five years

[1]Up to based on if customer is eligible for other solar incentives, i.e., SGIP, DAC-SASH and City of San Diego Solar Equity Program
[2]Up to based on if customer is eligible for other upfront storage incentives, i.e., SGIP

Funding Structure

- Upfront incentive partially funded by foregone future RA payments generated by reductions in required load forecasting
- Performance payment funded as reallocated power procurement expense

	Upfront Incentive	Performance Incentive
Programs	$6.5M	$0
Power	$5M	$0.9M
Total:	$11.5M	$0.9M
	43% Cost Neutral	**100% Cost Neutral**

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Program Training

Contractors

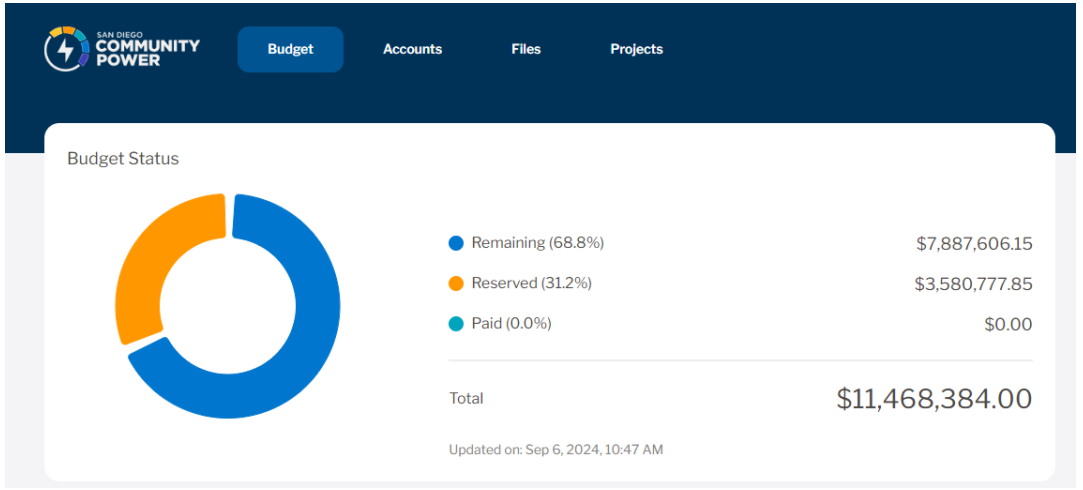
- Contractors are the primary contact for our customer regarding program specifics
- Mandated program training
  - Trained 44 contractors pre-program launch between June and July at a local distributor and International Brotherhood of Electrical Workers (IBEW)'s training facilities
  - Training converted to virtual after program launch with portal availability

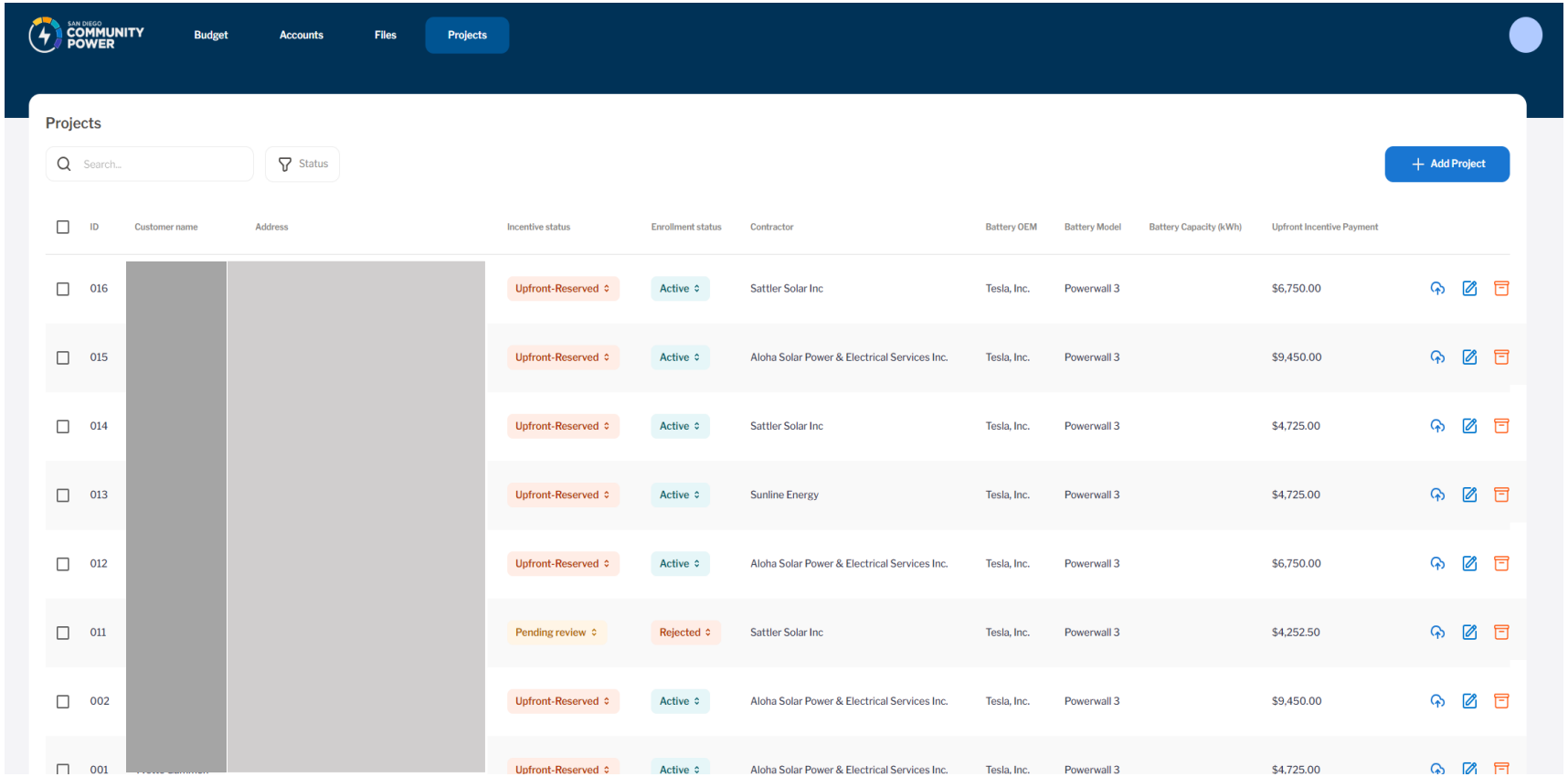
Battery Manufacturers

- Program training held in June for interested battery manufacturers and shared with battery manufacturers as they register
- Individual meeting set up with battery manufacturers to walk through operationalizing the batteries and ensuring a successful path forward for data sharing

Program Portal

Program Portal for application submittals, program communications, and available budget ticker





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Progress Since Launch

Industry Participation:

- **51 Approved Contractors**
- **14 Approved Battery OEMs**

Funding Status:

- Total Expected Approved: $8.8M (77% of total budget)
- Expected Funding Exhausted: **Mid-Nov (+/- 2 weeks)**

Customer Participation:

- Over 1,500 Applications received as of 10/8
- 500 Applications in first 24 hrs of program
- Since first week, ~12/applications/day
- Over 50% of **the re-enrollments** over the last two months have been because of this program
- **Total Approved to Date**: 1,113 (85% approval rate)

NEM v. NBT	
NEM Approved Projects	63%
NBT Approved Projects	37%
Current Approved Capacity	
MW Enrolled	5.06 approved (5 MW expected)

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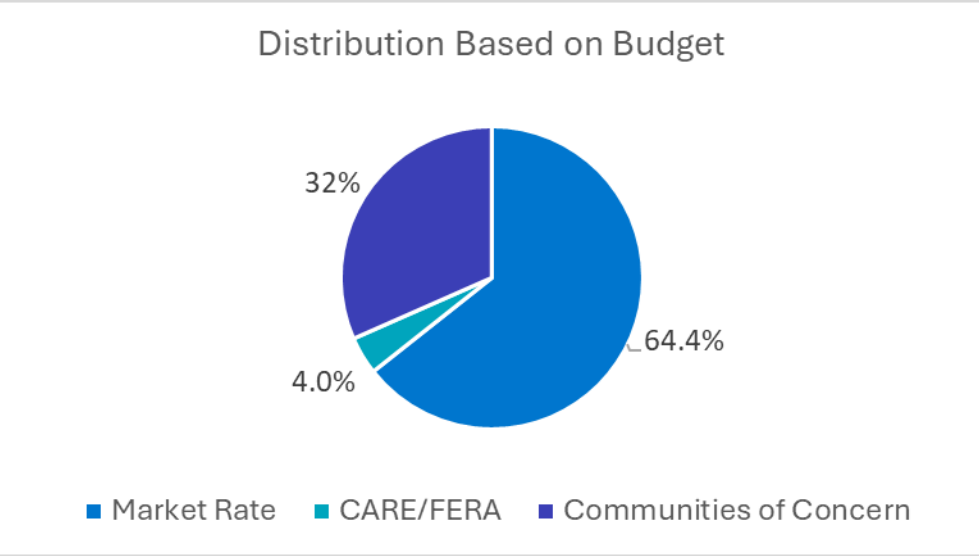
Communities of Concern Participation

Based on approved applications, we have participation across our Communities of Concern and CARE/FERA populations, with the expectation that SGIP may increase participation

Upfront Incentive Value	
Average Incentive	**$6,744**
Market Rate	$6,136
CARE, FERA, CoC	$8,199



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Contractor Engagement

- **66%** of enrolled contractors are actively engaged in the program
- **36%** of contractors are DBEs
- **6%** of contractors are union

# of Employees	# of Contractors
<=10 employees	18
10-50 employees	18
>50 employees	7

Contractor Name	Total Projects
Baker Home Energy	344
Sunline Energy	118
TMAG Industries Inc, DBA Stellar Solar	139
Aloha Solar Power & Electrical Services Inc.	85
KBI Electric, Inc. DBA Build Brothers	55
Homegrown Energy Solutions LLC	58
Solare Energy, Inc.	27
SunVantage	19
Semper Solaris	34
Tesla, Inc.	36
Solar Tech Energy	33
Cosmic Solar Inc.	31
SolHome	34
G C Electric Solar	16
Sattler Solar Inc	13
Palomar Solar LTD	11
San Diego Solar Inc	8
San Diego County Solar	8
New Day Solar	8
Johnson Solar	8
Unique Solar	0
Jamar Power Systems	5
Powur PBC	4
BVI Solar	2
HES Solar	2
Aicon Technologies DBA Aicon Solar	2
Alltech Solar, Inc.	1
Rehab Solar	2
Family First Solar Electric Inc.	1
Wave Electric Energy	1
Perk Solar	1
Sunbrook Solar Power	1
Incentive Solar	5

As of 10/8/2024

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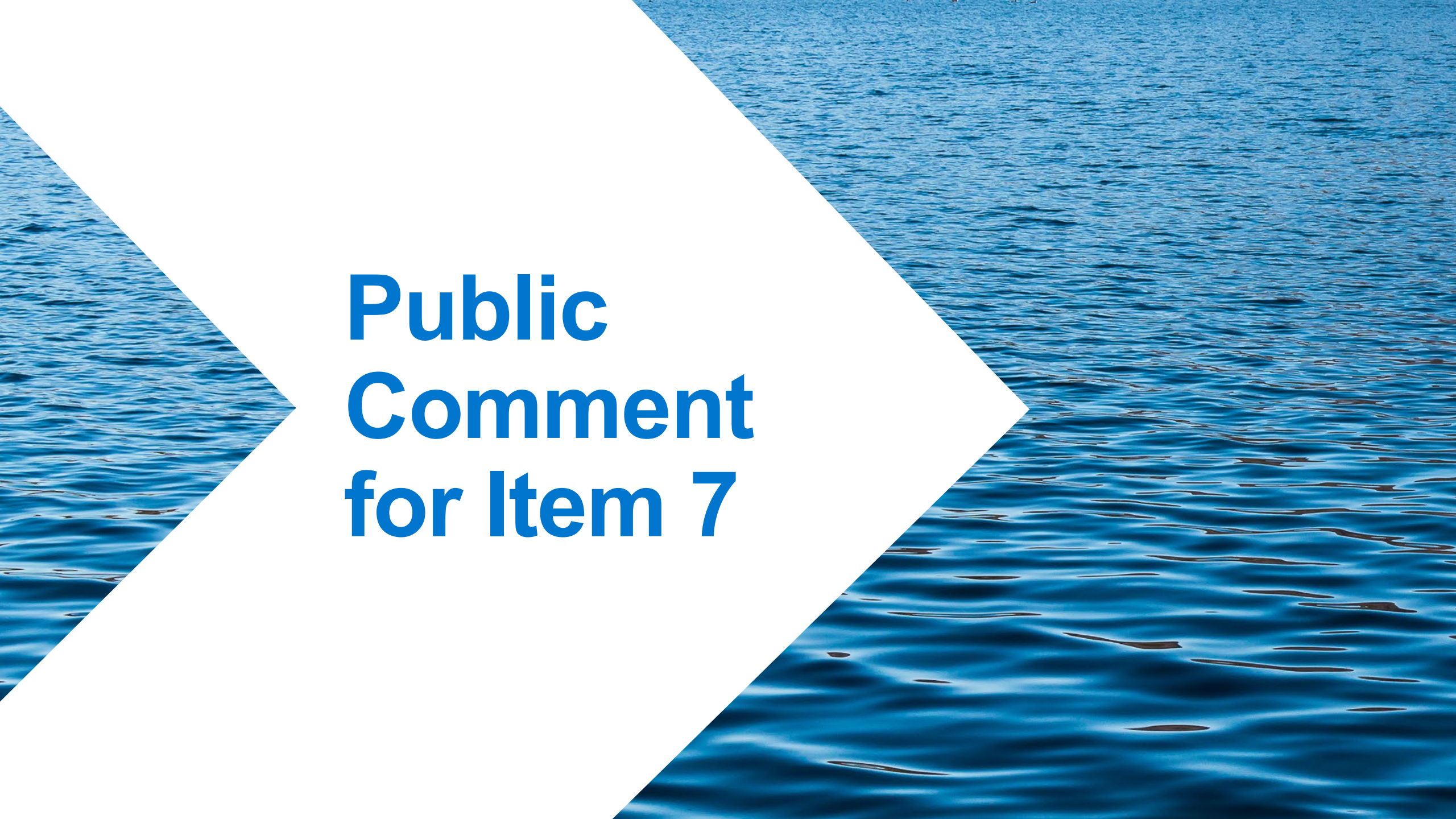
SOLAR BATTERY SAVINGS

Next Steps

- Staff expect funding to be fully reserved by late October or early November based on the average incentive and average applications per day. We anticipate not accepting anymore applications once funding is depleted.
- Anticipate sharing details of next steps with approved contractors and battery manufacturers 30 days prior to funding being fully reserved.
- Staff plans to iterate and improve the program processes, improve communication and clarity, and other program modifications (incentives, eligibility criteria, etc.)
- Exploring external funding opportunities although likely longer-term funding



Public Comment for Item 7

Item No. 8

2024 Community Advisory Committee Workplan Update

Recommendation: Receive and file the 2024 Community Advisory Committee Workplan Update.

Presenter:
Xiomalys Crespo, Sr. Community Engagement Manager

2024 Community Advisory Committee (CAC) Work Plan Overview

- Approved by the Board of Directors on February 22, 2024.
- Leveraged the CAC's Community & Equity Ad-Hoc Committee to include revisions:
  - Clarifying strategies to better track progress
  - Specifying proposed educational presentations
  - Defining information-sharing protocols to activate member advocacy
  - Deleting redundancies
  - Updating areas of focus to reflect implementation status
  - Adding Civic Engagement and Participation as an area of focus

2024 CAC Work Plan by Outcomes to Date

Focus	Description	Outcomes
Equity Overview	Prioritize justice, equity, diversity and inclusion	Ensuring the promotion of equity in all tasks and items brought before the CAC, including: • PowerBase • Solar Battery Savings Program allocations • Community Clean Energy Grant Program criteria
Educational Presentations	Assist in achieving Community Power's mission, vision, values, and goals	• Orientation Training for new member • Communications • Strategic Plan Updates • Conflict of Interest and Ethical Conduct Policy • Ethics Training and Compliance • Ralph M. Brown Act on open meetings
Legislative/Public Policy/Regulatory	Bring forth news and advise on issues identified as priority	Receiving monthly reports and quarterly presentations on activity to remain informed and quickly mobilize advocacy
Energy Bid Evaluation Criteria	Support and monitor its implementation	Receive strategic plan updates; formal presentation on EBEC forthcoming

2024 CAC Work Plan by Outcomes to Date

Focus	Description	Outcomes
Marketing and Communications	Support strategic outreach efforts to the community	Volunteering at outreach events and attending Community Power workshops, events, and presentations to champion activities and programs
Community Power Plan Implementation	Assist staff in its implementation, informing Community Power's suite of programs	Receiving monthly updates and providing key feedback on programs: • Solar for Our Communities (now Community Solar) • San Diego Regional Energy Network • Solar Battery Savings Program • Community Clean Energy Grant Program • Flex Load Strategy
Civic Engagement & Participation	Increase participation at meetings and leverage members' networks to facilitate recruitment	Supporting member recruitment efforts, providing informational presentations to the Board, and will be taking part in social media content to encourage involvement

Next Steps

- The CAC is encouraged to discuss how it would like to approach revising the current Work Plan.
  - Ad-Hoc Committee
  - Chair Delegation
  - Direct staff to draft as is with minor or no revisions
- Staff will support the drafting of the 2025 CAC Work Plan; a final draft must be discussed and approved by the CAC and the Board of Directors by the February 2025 regular meetings.

Public Comment for Item 8

Item No. 9

Flex Load Strategy Update

Recommendation: Receive and file Update on Flex Load Strategy.

Presenter:
Tim Treadwell, Senior Program Manager

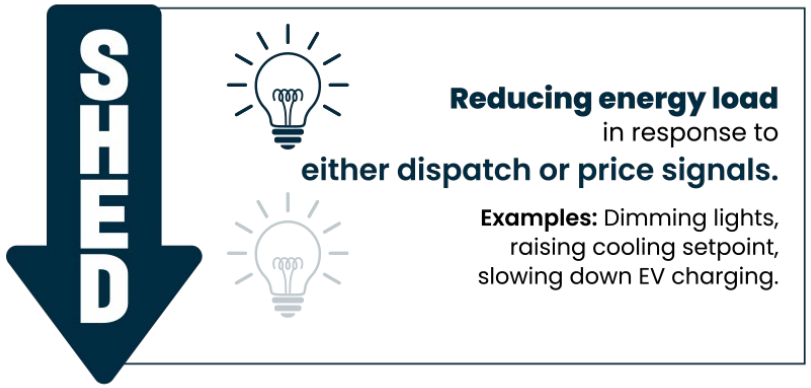
Overview

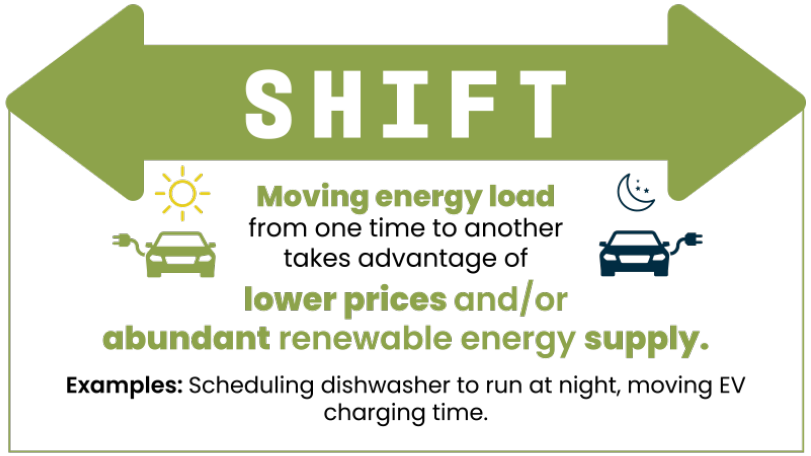
Community Power's Flex Load Strategy is designed to support the development of programs that help address the major cost drivers of our agency, increasing operational efficiency and lowering rates for customers. This update outlines the actions taken by Staff to implement the Flex Load Strategy since its approval by the Board of Directors in January 2024.

- Staff actions on implementation of the Flex Load Strategy includes work in three areas:
  - Developing Flexible Load as a Power Services resource,
  - Integrating Flexible Load Strategies into program design, and
  - Aligning programs with state policy initiatives

Defining “Flexibility”

Load Flexibility (a.k.a. “Load Management”, “Demand Management”, “Demand Flexibility”) refers to the ability to adjust the power of an energy-consuming or -producing device or system to meet the operational needs of the grid or end-use customers. Load flexible technologies can ***shed*** energy usage during peak load periods (commonly referred to as “demand response” or “DR”) or ***shift*** energy usage to times when the grid is less congested, prices are lower, or generation is cleaner.





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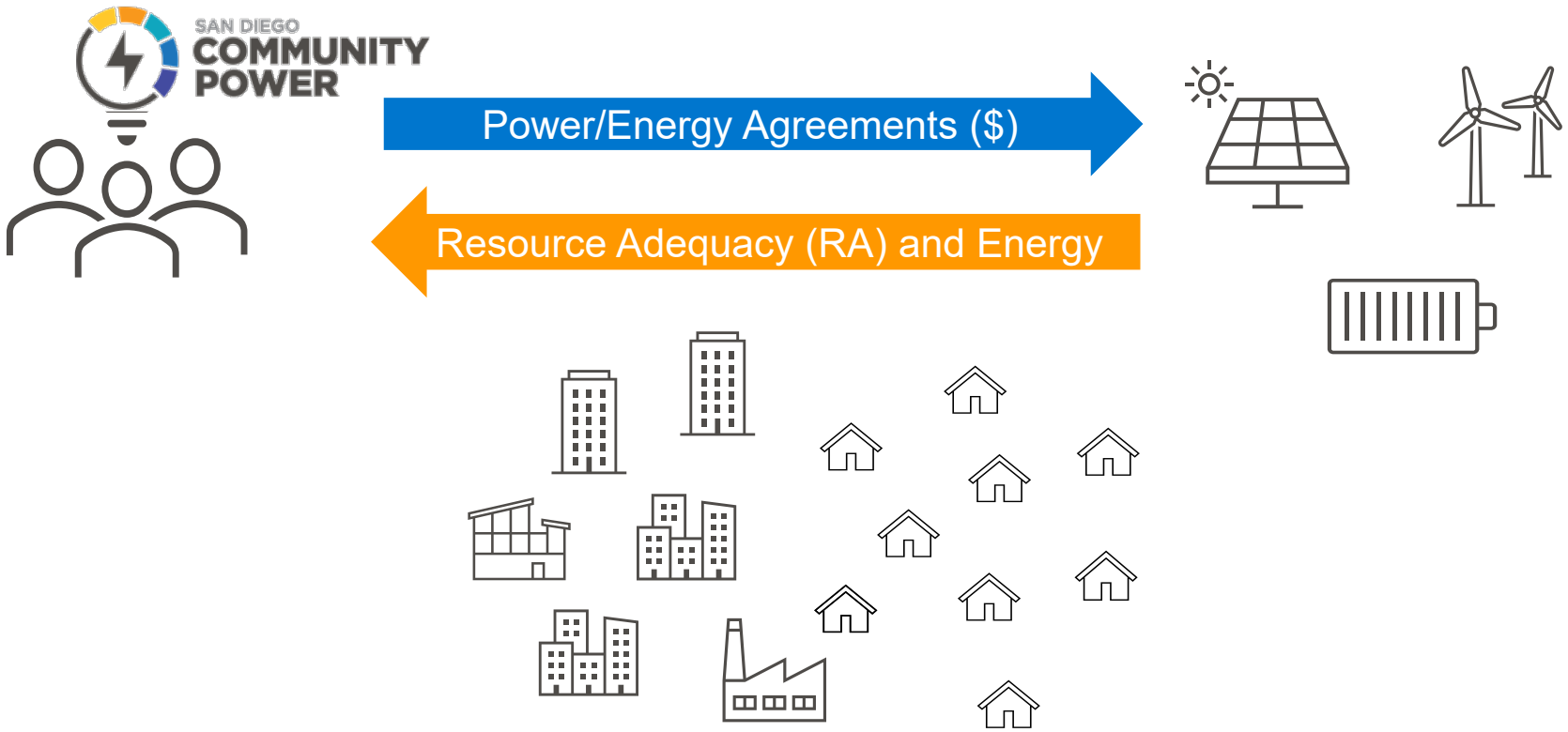
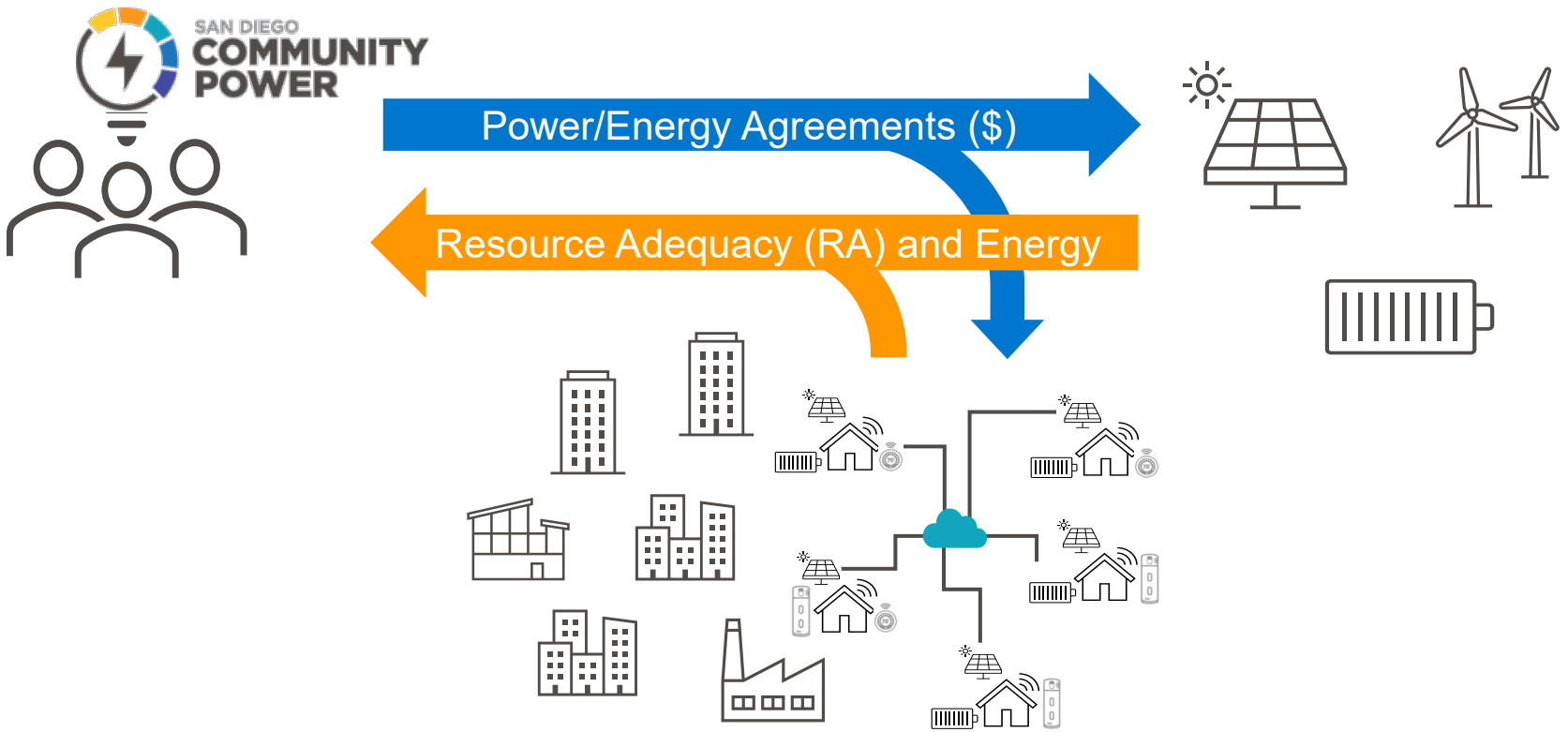
Flexible Load as a Resource

Power Services executes long-term agreements with large developers for the power our customers use. SDCP receives energy and Resource Adequacy in return.



Flexible Load as a Resource

Flex Load Programs compensate customers for the energy and Resource Adequacy they provide Community Power – keeping revenues local and providing value back to our customers



Operationalizing Savings

Program Accounting

- Resource Adequacy (RA) savings based on modifications to peak demand, RA rules (e.g., slice of day), and capacity pricing.
- Energy savings based on modifications to load profiles and energy pricing.
- Combined savings are allocated to support program delivery (e.g., incentives, admin, contract support).

Reporting and Controls

- RA and energy savings estimates are tracked annually and included in internal reporting.
- Program performance will be evaluated periodically to ensure savings align with ex-ante projections.

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Example - SBS Funding

- Upfront incentive partially funded by foregone future RA payments generated by reductions in required load forecasting
- Performance payment funded as reallocated power procurement expense

	Upfront Incentive	Performance Incentive
Programs	$6.5M	$0
Power	$5M	$0.9M
Total:	$11.5M	$0.9M
	43% Cost Neutral	**100% Cost Neutral**

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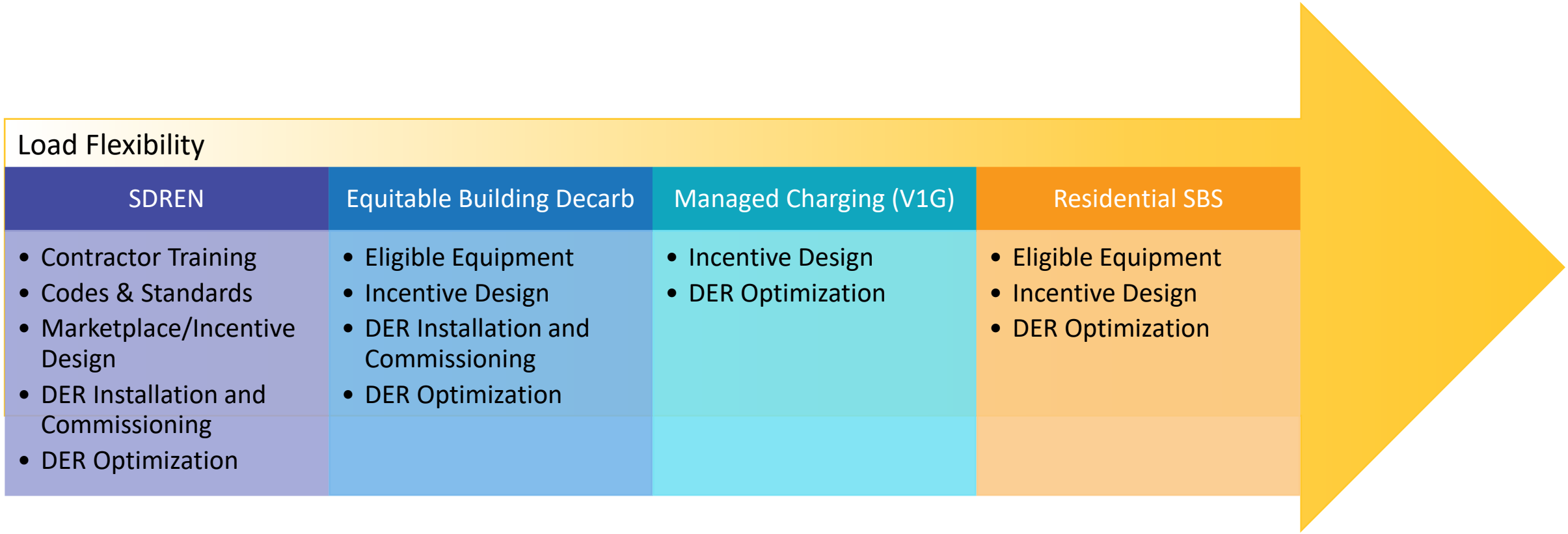
Integrating Flex Load Strategies



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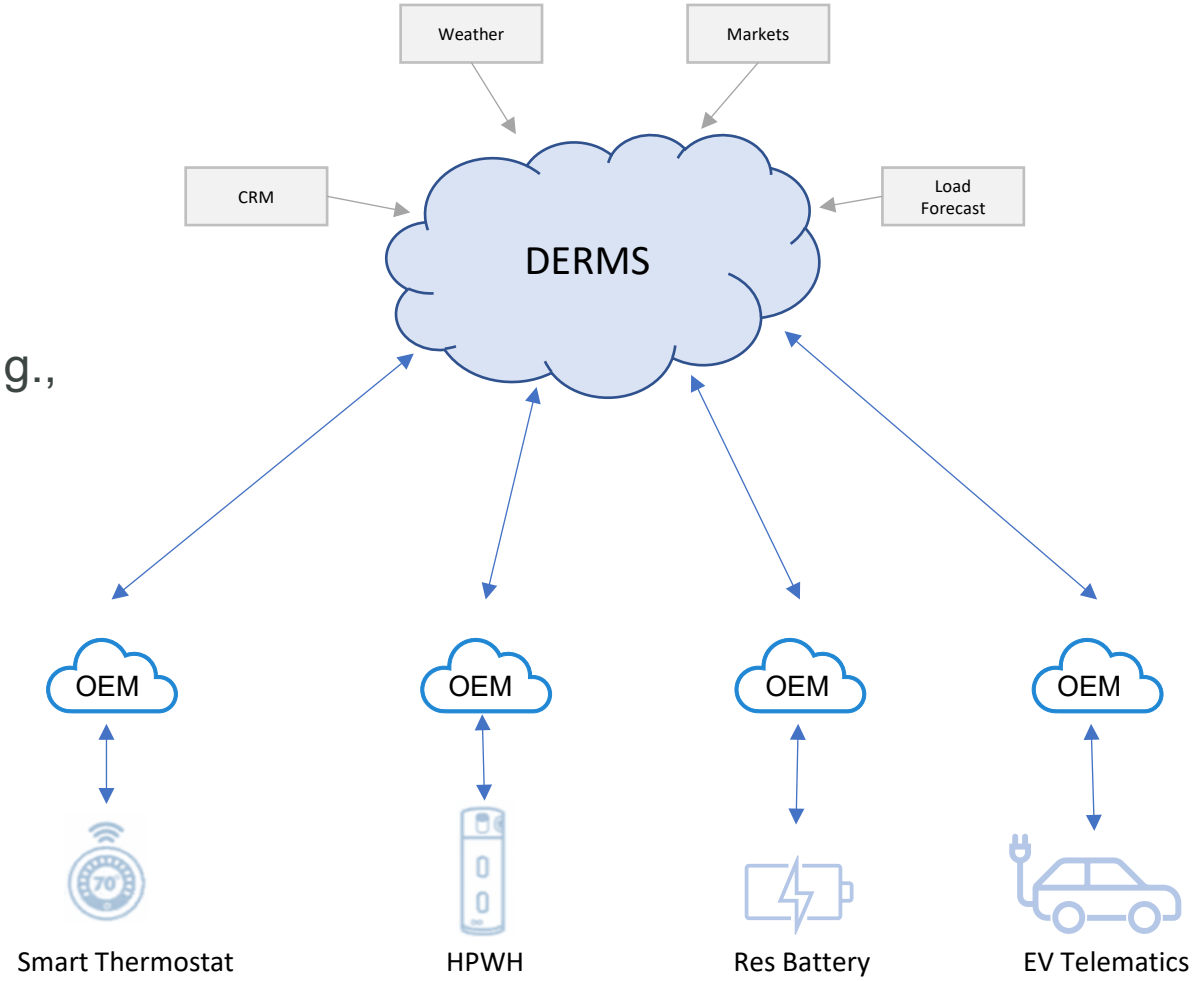
DERMS Platform Implementation

DERMS platform platform's features that enable Flex Load Strategy goals:

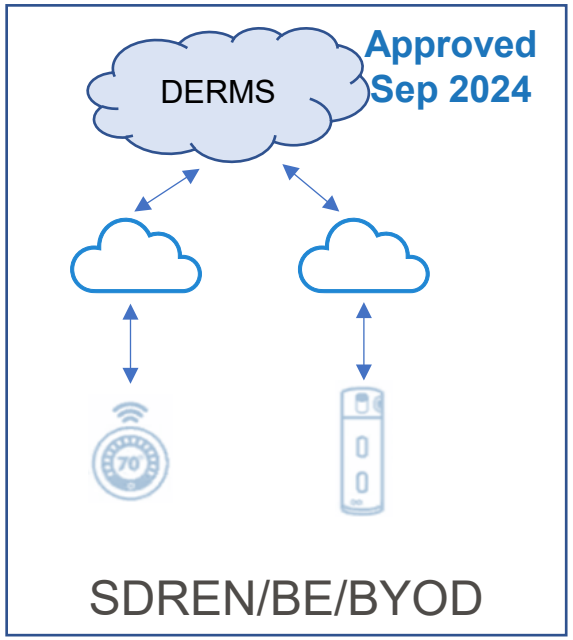
- DER asset class and OEM integrations
- Ability to optimize dispatch from external source (e.g., CAISO and MIDAS)
- Program management capabilities (e.g., customer validation and onboarding, event notification and communication tools)
- Asset monitoring, aggregation, forecasting, and dispatch capabilities
- IT security (e.g., hosting strategy, SSO capabilities, and permissions management)



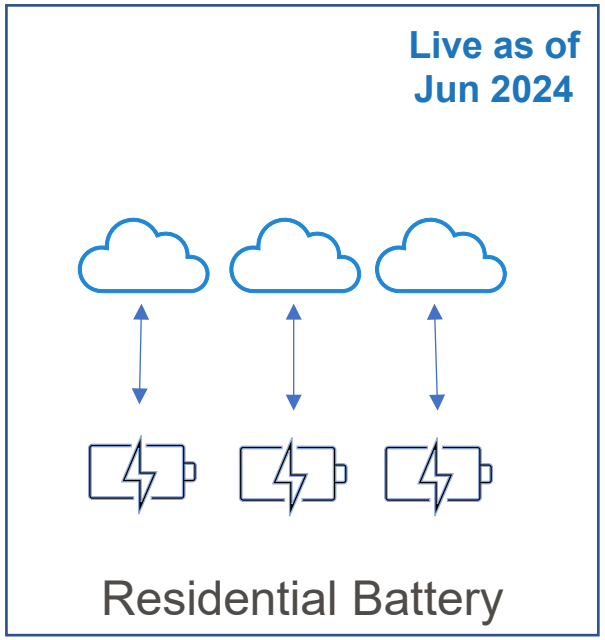
DERMS Architecture - Phase I

- Mid 2024

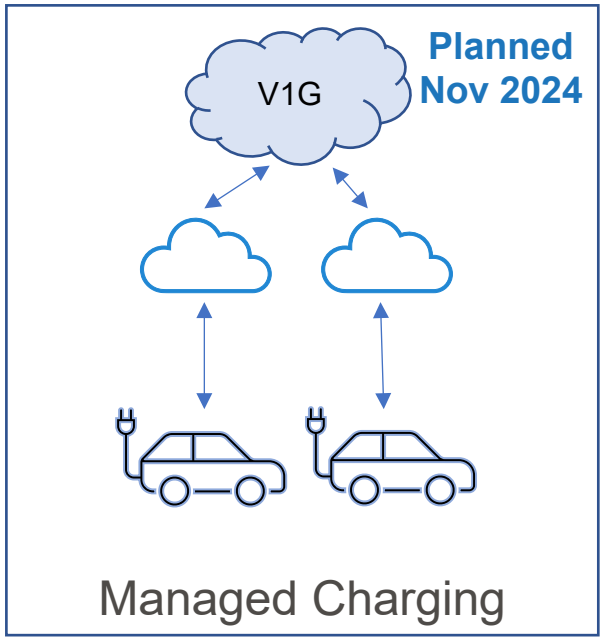
Pilot basic operation with Programs and Power Services



Control batteries as standalone asset through OEM cloud



Focus on leading OEMs while integration market develops



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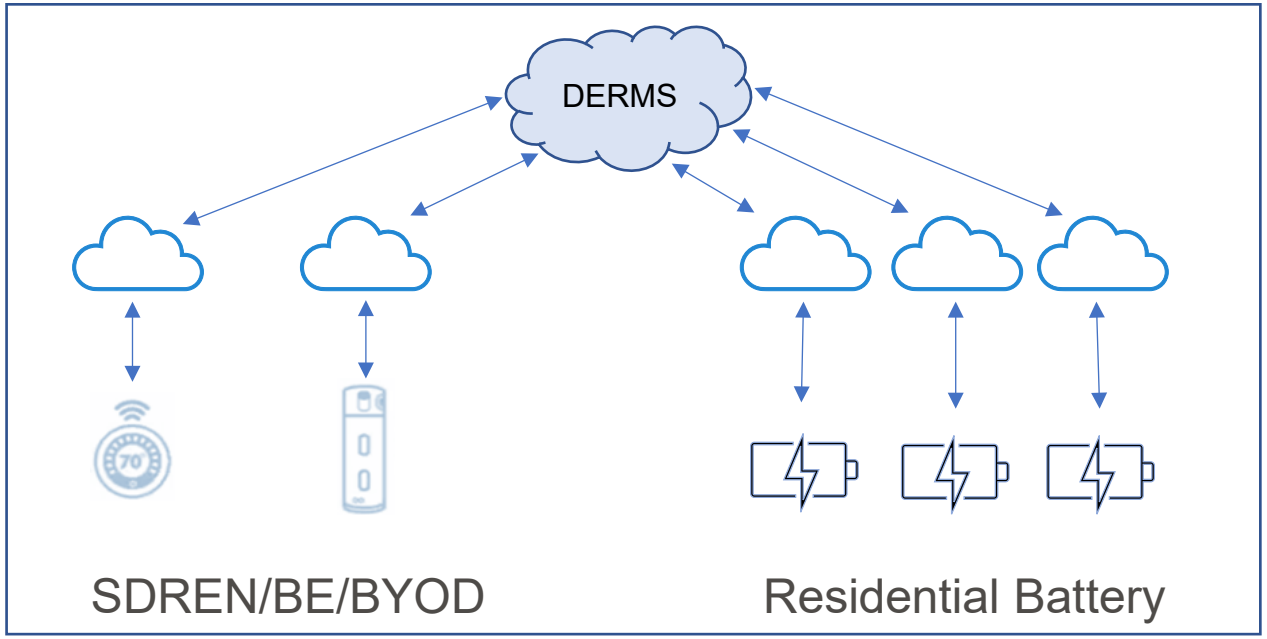
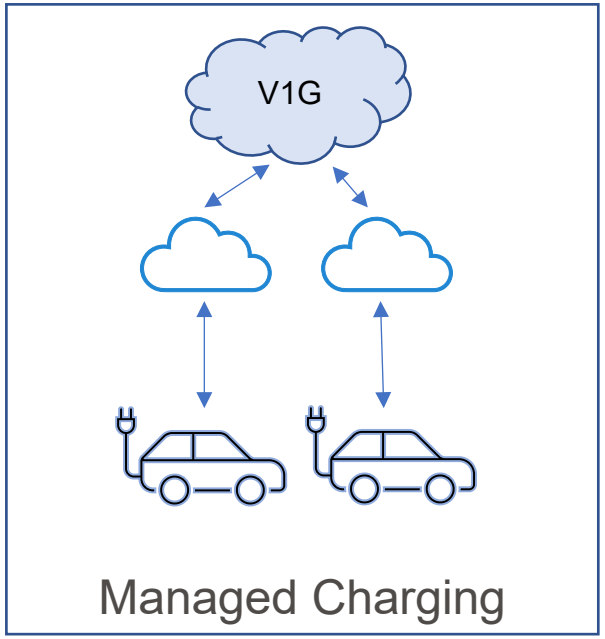
DERMS Architecture - Phase II

- Early 2025

Consolidate non-vehicle assets into a single platform to enable coordinated dispatch and rate optimization



Incorporate additional OEMs as available



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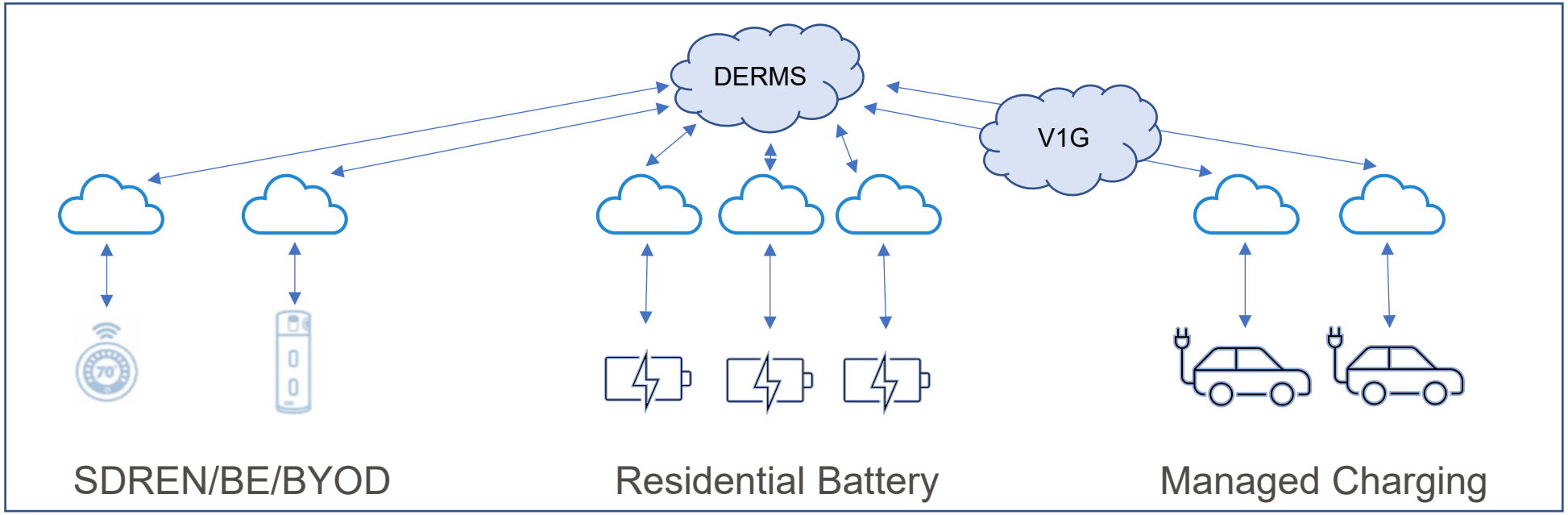
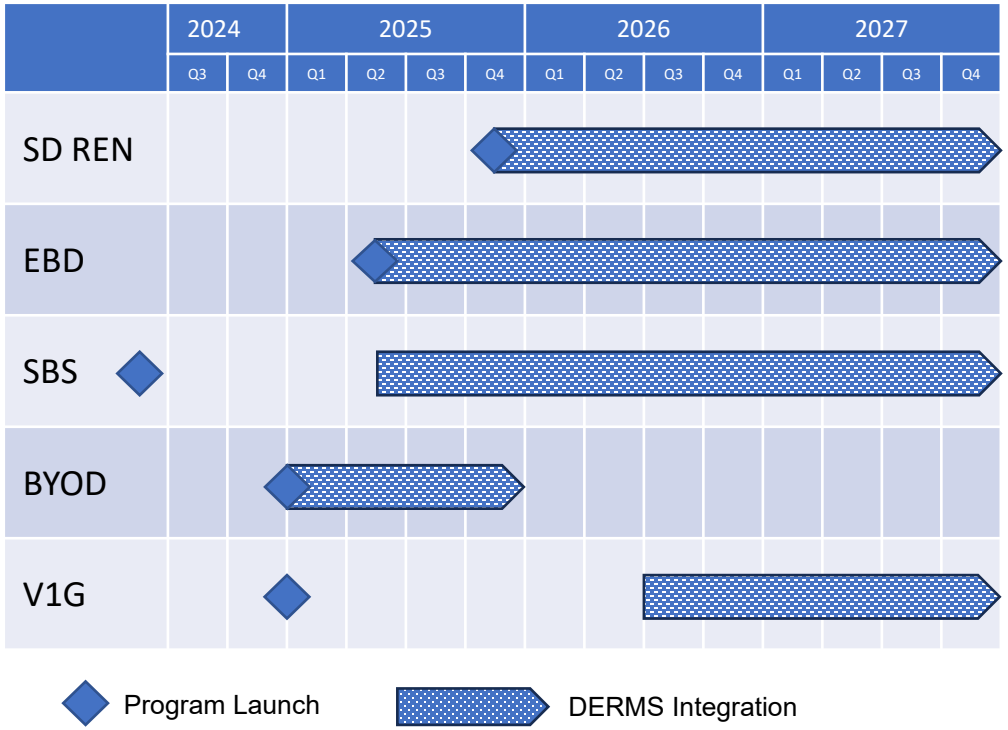
DERMS Architecture - Phase III

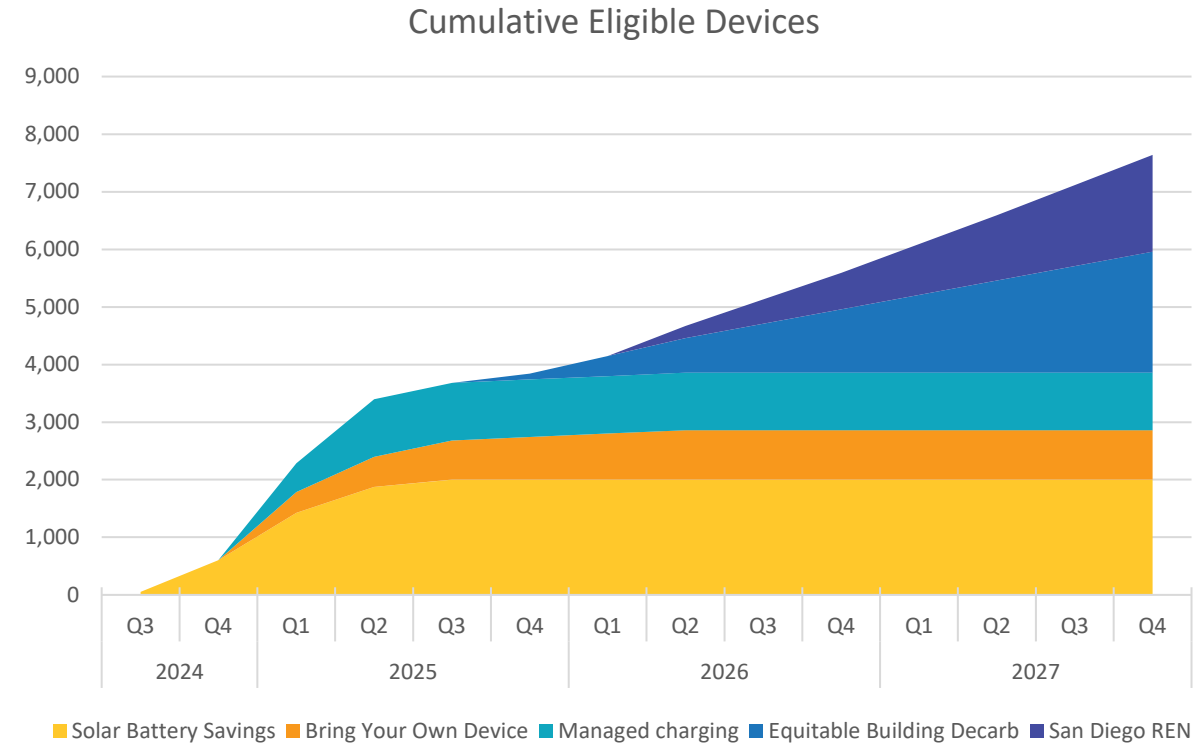
- Mid 2026

Full integration of existing Flex Load program assets into a single platform to enable coordinated dispatch and rate optimization



Flex Load Implementation and Scale





* Devices estimates based on current funding and anticipated customer reach in filings or applications

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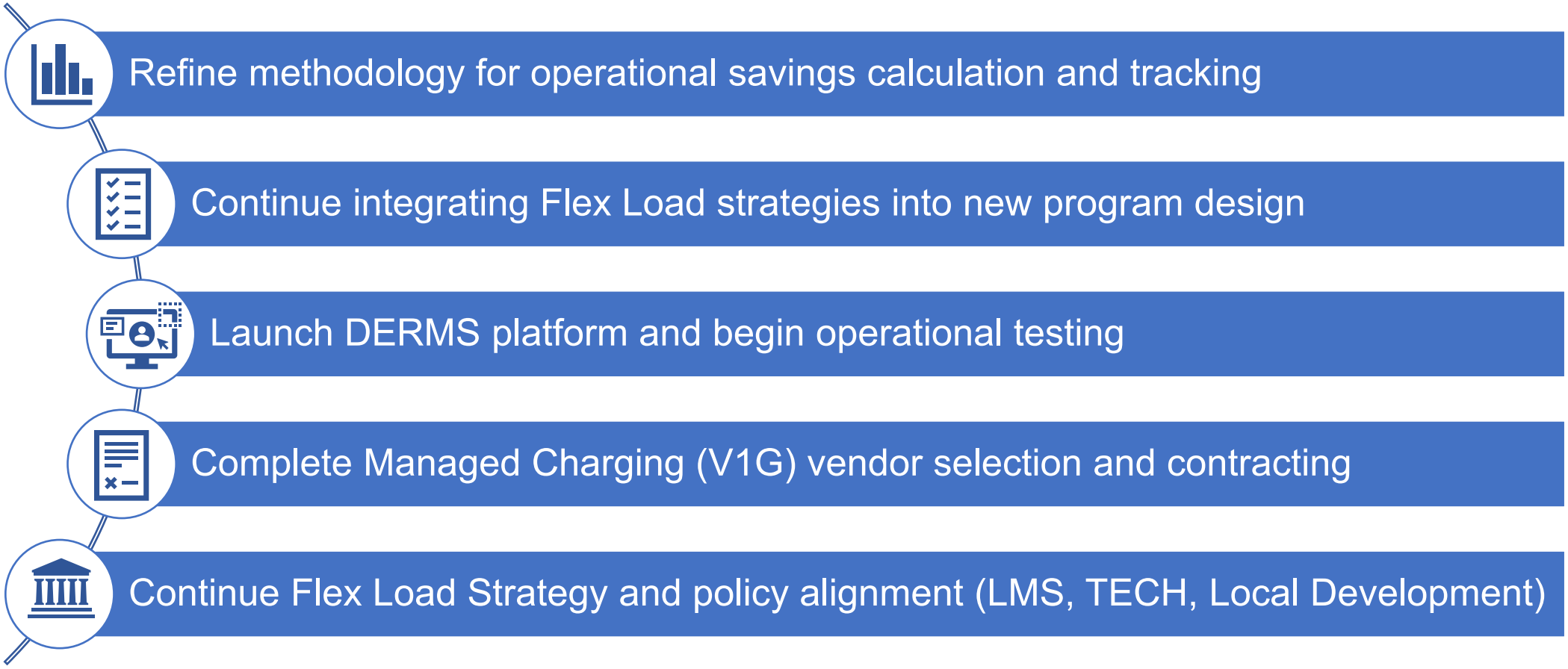
Next Steps



SAN DIEGO COMMUNITY POWER

Public Comment for Item 9

Discussion of Potential Agenda Items for Board of Directors Meetings

Committee Member Announcements

Adjournment

SAN DIEGO COMMUNITY POWER

Next Regular Community Advisory Committee Meeting

November 7, 2024