

3C-REN Semi-Annual Report Out

October 28, 2024



Achievement and Forecast Summary

	2023 Confirmed Claim Summary Total System Benefit** (\$)	Q1 2024		Q2 2024		Q1 + Q2 2024	
		Total System Benefit (\$)	Total Expenditure (\$)	Total System Benefit (\$)	Total Expenditure (\$)	Total System Benefit (\$)	Total Expenditure (\$)
Resource Acquisition	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Market Support	\$0	N/A	\$264,849	N/A	\$488,363	N/A	\$753,212
Equity	\$587,123	Q1+Q2 TSB combined in CEDARS		Q1+Q2 TSB combined in CEDARS		\$828,996	\$3,349,864
EM&V	N/A	N/A	\$12,506	N/A	\$3,449	N/A	\$15,955
Codes and Standards	N/A	N/A	\$139,655	N/A	\$273,900	N/A	\$413,555
TOTAL Portfolio	\$587,123	N/A	\$1,227,383	N/A	\$3,305,203	\$828,996	\$4,532,587

2024 Forecast Estimate	
	Total Portfolio
	Total System Benefit (\$)
Q1 and Q2 Claims	\$828,996
Q3 and Q4 Forecast*	\$688,270
Total TSB Forecast Attainment	\$1,517,266
TSB Goal	\$7,073,894
TSB Percent of Goal	21%
Total Expenditure	~\$10,000,000

Data Pulled from CEDARS Quarterly Claims Segment Dashboard. Excludes ESA Data Q1 and Q2 Claims from CEDARS Quarterly Claims Goal Attainment Dashboard

*Q3 and Q4 from internal EOY forecast

**TSB was not a PA goal in 2023 and used a different avoided cost calculator version than 2024.

NOTE: There was a calculation error when 3C-REN's TSB goal was set, and this TSB goal includes the Commercial program which just launched this month. This goal will be updated in a future advice letter. This error only affected the goal; all TSB achievements are accurately reported.



Claims Summary by Sector

		Q1 + Q2					Q1 + Q2 Total	
		Agricultural	Commercial	Cross-Cutting	Industrial	Public		Residential
TSB		0	0	0	N/A	N/A	\$828,995	\$828,995
GHG		0	0	0	N/A	N/A	162.17	162.17
kWh	Annual Gross	0	0	0	N/A	N/A	-437,794	-437,794
	Annual Net	0	0	0	N/A	N/A	-476,180	-476,180
	Lifecycle Net	0	0	0	N/A	N/A	-7,119,381	-7,119,381
Therm	Annual Gross	0	0	0	N/A	N/A	64,827	64,827
	Annual Net	0	0	0	N/A	N/A	67,335	67,335
	Lifecycle Net	0	0	0	N/A	N/A	1,007,882	1,007,882
kW	Annual Gross	0	0	0	N/A	N/A	2	2
	Annual Net	0	0	0	N/A	N/A	1	1



Third Party Vendor Support and Implementation

Vendor Support By Sector for New and Active Programs							
	Q1 + Q2						EM&V
	Agricultural	Commercial	Cross-Cutting	Industrial	Public	Residential	
PA Core Program Support Vendor(s)	TBD	Recurve	3C-REN Implemented	N/A	3C-REN Implemented	AEA/Recurve	Frontier Energy
IOU Third Party Prime Contractor(s)	N/A	N/A	N/A	N/A	N/A	N/A	N/A



3C-REN: Recent Developments

Agriculture	BPT/ECC	EAS	Commercial	Multifamily	Single Family
<ul style="list-style-type: none"> Preparing for program launch, with an initial focus on controlled environment and greenhouse agriculture Contracting with technical partner finalized this month 	<ul style="list-style-type: none"> Programs average a combined total of ~7 training events per month Hands-on, earn-while-you-learn, HPWH installation partnership just launched 	<ul style="list-style-type: none"> Two new sites are enrolling to receive resiliency audits; a police station in San Luis Obispo County and a religious institution in Santa Barbara County 	<ul style="list-style-type: none"> Program officially launched in first week of October 2024 Currently focused on contractor enrollment and development of outreach strategies 	<ul style="list-style-type: none"> Twelve projects completed to-date in 2024, representing 1,129 units 	<ul style="list-style-type: none"> 430 projects completed to-date in 2024



3C-REN: Equity Developments

- Single Family NMEC
 - 17 percent of projects are underserved customers (HTR or other specific program criteria)
 - Program was fully subscribed by summer 2024
- Multifamily
 - Fifty percent of projects completed in 2024 are hard-to-reach (HTR) sites
- Tracking additional potential UVMs to further disclose equity participants
 - San Luis Obispo Disadvantaged Unincorporated Community
 - Santa Barbara Environmental Justice Communities
 - Ventura County-defined Disadvantaged Communities



Recent Segmentation Justification

Codes & Standards

- **Energy Code Connect**
 - Supports local jurisdiction staff and building professionals with comprehension, enforcement and compliance of the California Energy Code (Title 24)

Equity

- **Commercial Marketplace**
 - Offers incentive payments for energy improvements through population NMEC program focusing on hard-to-reach business customers.
- **Multifamily**
 - Targets and engages multifamily property owners and managers, with an emphasis on Hard-to-Reach properties and rural communities. Focuses on holistic energy efficiency upgrades that benefit owners and renters.
- **Single Family NMEC**
 - Focuses on addressing needs of hard-to-reach single family (1-4) units. Provides greater incentives for Hard-to-Reach participants. Includes outreach to non-English speaking communities and rural residents.

Market Support

- **Agriculture Technical Assistance**
 - Provides personalized, end-to-end technical assistance that will help identify energy upgrade opportunities, and support customers in implementing these projects.
- **Energy Assurance Services**
 - Serves hard-to-reach and vulnerable populations, through assistance to small and under-resourced jurisdictions, critical facilities, and community-serving locations.
- **Building Performance Training**
 - Advance the skills of existing energy service providers and the development of career pathways for disadvantaged and HTR workers.



OP 32: Program Overlap

- OP 32 efforts found Multifamily program (TCR-Res-002) **substantially similar** with four SCG programs
 - SCG3705: Multifamily Whole Building Program
 - SCG3861: Community Language Efficiency Outreach Program
 - SCG3935: Residential Advanced Clean Energy Program
 - SCG3936: Multifamily Energy Alliance Program
- Multifamily program (TCR-Res-002) offers high-touch technical support and flexible measures for customers, leveraging our local staff to build lasting relationships with local property owners
- 3C-REN and SCG already have fully operational verification protocols for customer eligibility and to prevent double-dipping
- Continued analysis needs to be done to address the potential for duplicative incentives and TSB claims for a single measure



End of Year Projections for Projects Associated with 2024 Claims

		Q3-Q4 Pipeline					Total Q3-Q4 Projections	
		Agricultural	Commercial	Cross-Cutting	Industrial	Public		Residential
TSB		N/A	\$410,413	0	N/A	N/A	\$277,857	\$688,270
GHG		N/A	50.23	0	N/A	N/A	345	395.23
kWh	Annual Gross	N/A	328,330	0	N/A	N/A	-351,185	-22,855
	Annual Net	N/A	279,080	0	N/A	N/A	-299,084	-20,004
	Lifecycle Net	N/A	N/A	0	N/A	N/A	N/A	N/A
Therm	Annual Gross	N/A	0	0	N/A	N/A	75,231	75,231
	Annual Net	N/A	0	0	N/A	N/A	64,304	64,303
	Lifecycle Net	N/A	N/A	0	N/A	N/A	N/A	N/A
kW	Annual Gross	N/A	37.48	0	N/A	N/A	-18.71	18.77
	Annual Net	N/A	31.85	0	N/A	N/A	-15.92	15.93
Expenditures		~\$200,000	~\$1,000,000	~2,000,000	N/A	N/A	~\$4,000,000	~7,200,000





Questions

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