

# Exhibit to Agenda Item #2

Discuss the monitoring report for **Strategic Direction SD-9, Resource Planning.**

Board Policy Committee and Special SMUD Board of Directors Meeting  
Wednesday, December 10, 2025, scheduled to begin at 6:00 p.m.  
SMUD Headquarters Building, Auditorium

# 2024 Strategic Direction 9 highlights

2030 Zero Carbon Goal – Eliminate Greenhouse Gas (GHG) Emissions from SMUD's Energy Supply by 2030

2024 Energy Supply Emissions and Goals	
Source	GHG Emissions (Thousand MT GHG)
Net generation and specified power purchases	2,574
Net wholesale transactions (Unspecified purchases less sales)	-882
<b>Net emissions to meet customer load (SD-7 Emissions)</b>	<b>1,692</b>
Load variability adjustment Load was 4% higher than expected	(163)
Hydro variability adjustment Hydro generation was 10% lower than expected	(93)
Wind variability adjustment Wind generation was 8% lower than expected	(54)
<b>Net Emissions adjusted for variability (SD-9 Emissions)</b>	<b>1,382</b>
<b>2030 Goal</b>	<b>0</b>

2024 Highlights
<ul style="list-style-type: none"><li>Brought online new renewables, met RPS goals, and continued exploring emerging tech:<ul style="list-style-type: none"><li><b>86 MW</b> of new wind generation</li><li><b>577 MW</b> of new renewables &amp; storage committed to come online between 2026-2030</li></ul></li><li>Total online/committed: over <b>1,700 MW</b> by 2030 with more under evaluation</li><li><b>12%</b> growth of clean distributed generation</li><li><b>23%</b> increase in electrification GHG reductions</li><li>Continued support of all customers through our <b>Community Impact Plan</b></li></ul>

Ensure Affordable, Reliable Power

# Zero carbon utility scale project pipeline

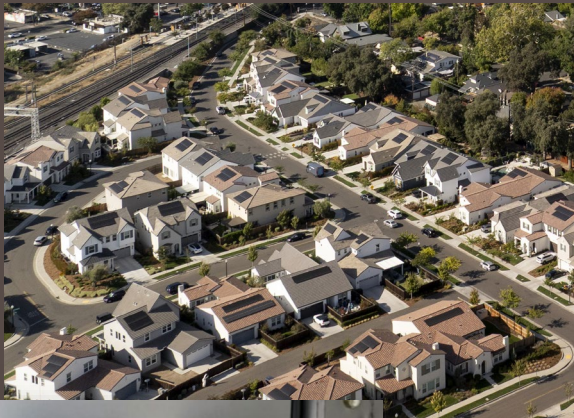
Met the 2024 44% Renewable Portfolio Standard. On track to meet 52% by 2027 and planning to 60%+ by 2030

Project Name		Technology	Online Year	Status	Size (MW)	Equivalent Homes Powered	Emissions Avoided (thousand MT GHG/year)
Hedge		Battery (local)	2022	Online	4	800	-
NTUA (Drew)		Solar	2022	Online	100	34,600	121
Calpine Geysers		Geothermal	2023	Online	100	97,300	342
Solano 4		Wind	2024	Online	86	25,800	90
Sloughhouse		Solar (local)	2025	Online	50	15,400	54
CPP Retool (Turndown)		Thermal Retrofit	2025	Online	-	-	100
Hatchet Ridge		Wind	2025	PPA Signed	101	30,500	107
Country Acres		Solar (local)	2027	Under Construction	344	70,800	248
		Battery (local)			172	34,400	-
SunZia		Wind	2027	Under Construction	150	54,200	190
Terragen		Solar (regional)	2027	PPA Signed	46	13,000	46
Dry Creek		Battery (local)	2027	PPA Signed	160	32,000	-
Grace		Solar (regional)	2027	PPA Signed	70	16,300	57
Calpine Geysers II		Geothermal	2028 - 2030	PPA Signed	50	46,200	162
Solano 2 Repower		Wind	TBD	Under Evaluation	94	36,400	128
Oveja Ranch		Solar (local)	TBD	Under Evaluation	75	21,100	74
		Battery (local)			38	7,600	-
Curry Creek		Solar (local)	TBD	Under Evaluation	156	49,100	172
		Battery (local)			78	15,600	-
Coyote Creek		Solar (local)	Delayed		200	55,200	194
		Battery (local)			100	20,000	-
Sutter CCS	Emerging Tech	Carbon Capture & Sequestration	2029	Under Evaluation	315	221,500	919

Procure renewable resources. Explore, develop and demonstrate emerging technologies.

# Clean distributed generation and load flex programs

2024 Incremental Customer Solar and Storage Installations							
Technology Type	Residential		Commercial		Total		2024 MW Increase
	Installed Systems	MW	Installed Systems	MW	Installed Systems	MW	
Solar	5,682	24.8	248	9.9	5,930	34.7	11%
Storage	460	4.2	6	5.0	466	9.2	81%



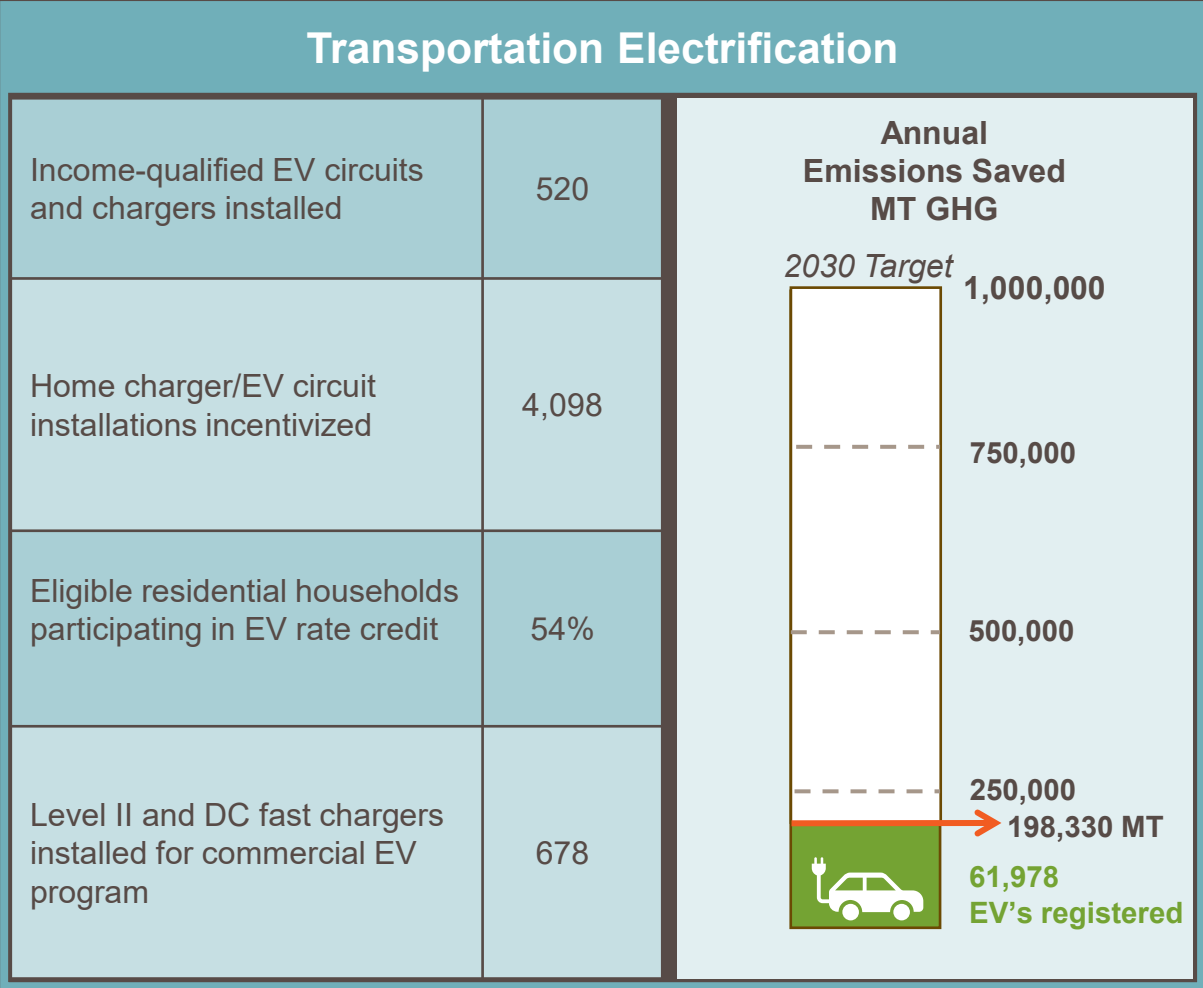
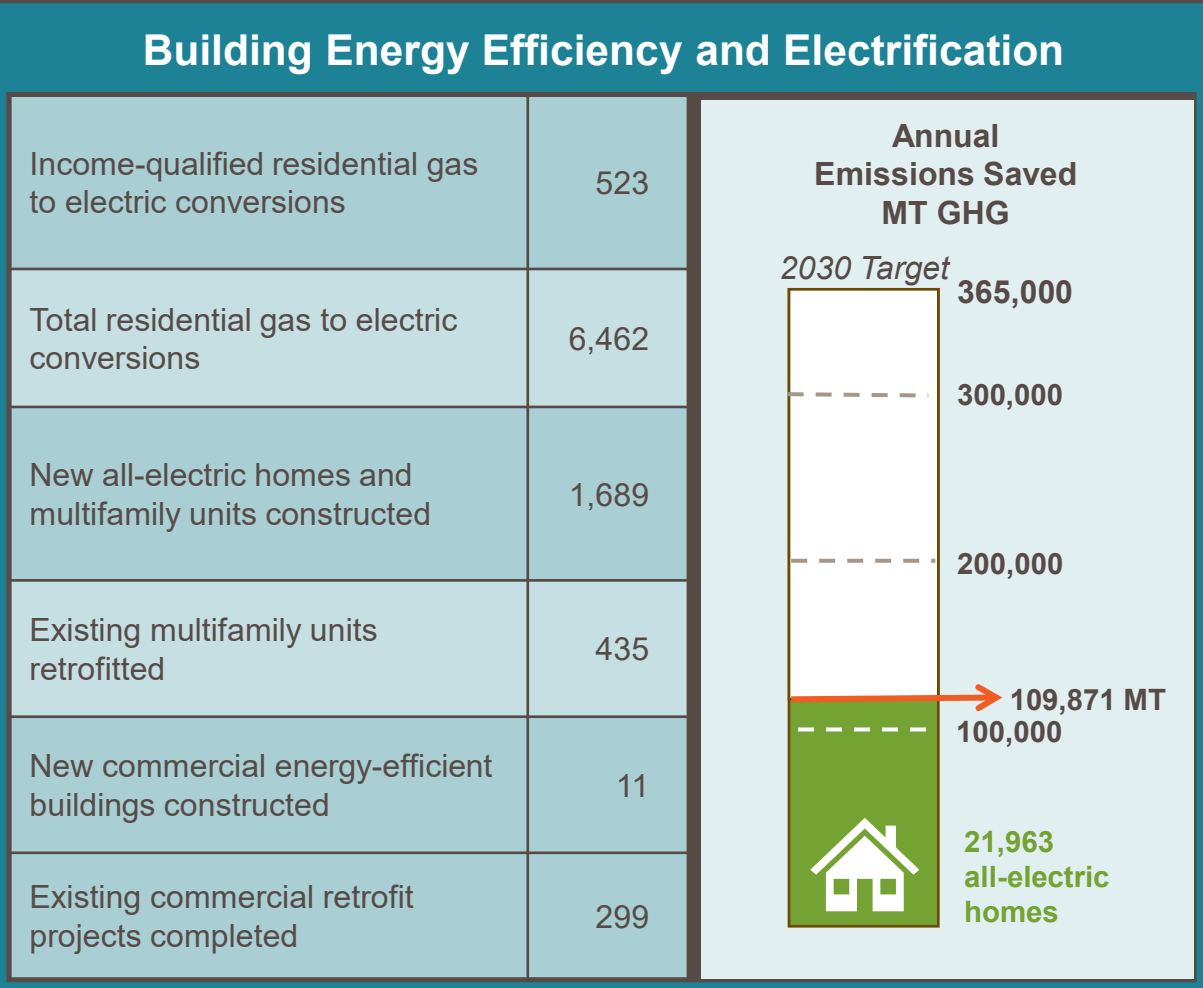
Customer Flexible Demand Programs		
Program	Enrollment	MWs*
My Energy Optimizer Partner	30,427 devices	23.73
My Energy Optimizer Partner +	302 customer batteries	1.63
Peak Conserve	1,783 devices	1.41
PowerDirect®	35 customers	28.00
2024 Total Cumulative Program MW (32% increase)		54.77
*Peak load reduction potential as of the end of 2024		



Promote cost effective, clean distributed generation and pursue customer programs.

# Electrification & energy efficiency

2024 Electrification Progress: 23% Increase in annual GHG saved



Goal: Reduce 1.365 million metric tons of GHG through electrification and energy efficiency by 2030

# 2024 Community highlights



## Serving our Community

- Installed **1,068** energy efficiency and electrification measures in Meadowview neighborhoods.
- Installed **36** energy efficiency and electrification measures at **17** commercial sites in Sacramento region.
- \$563,000 awarded to 29 local nonprofit partners



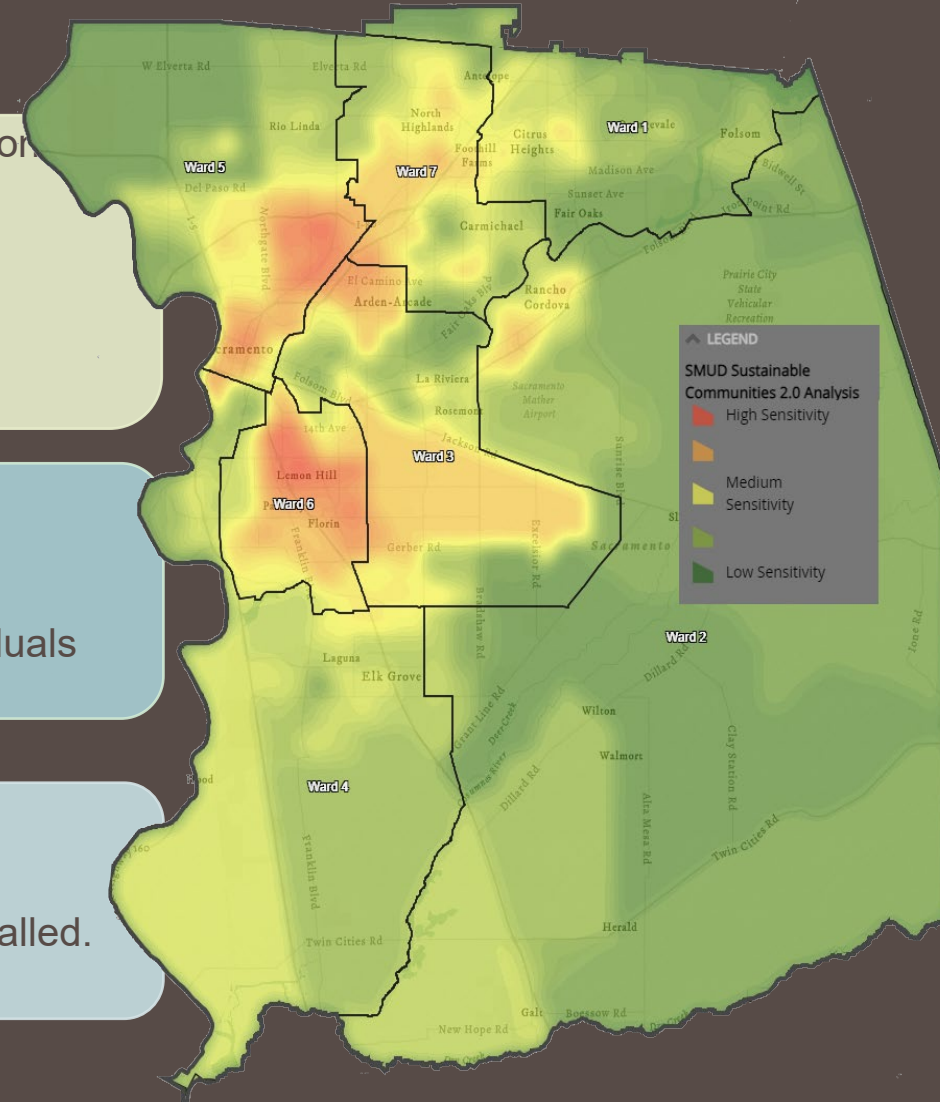
## Workforce Development

- Partnered with **45** community organizations to expand workforce development programs in the region.
- Education and training provided for **4,709** individuals and helped employ or upskill **991** individuals.



## Income-Qualified Programs

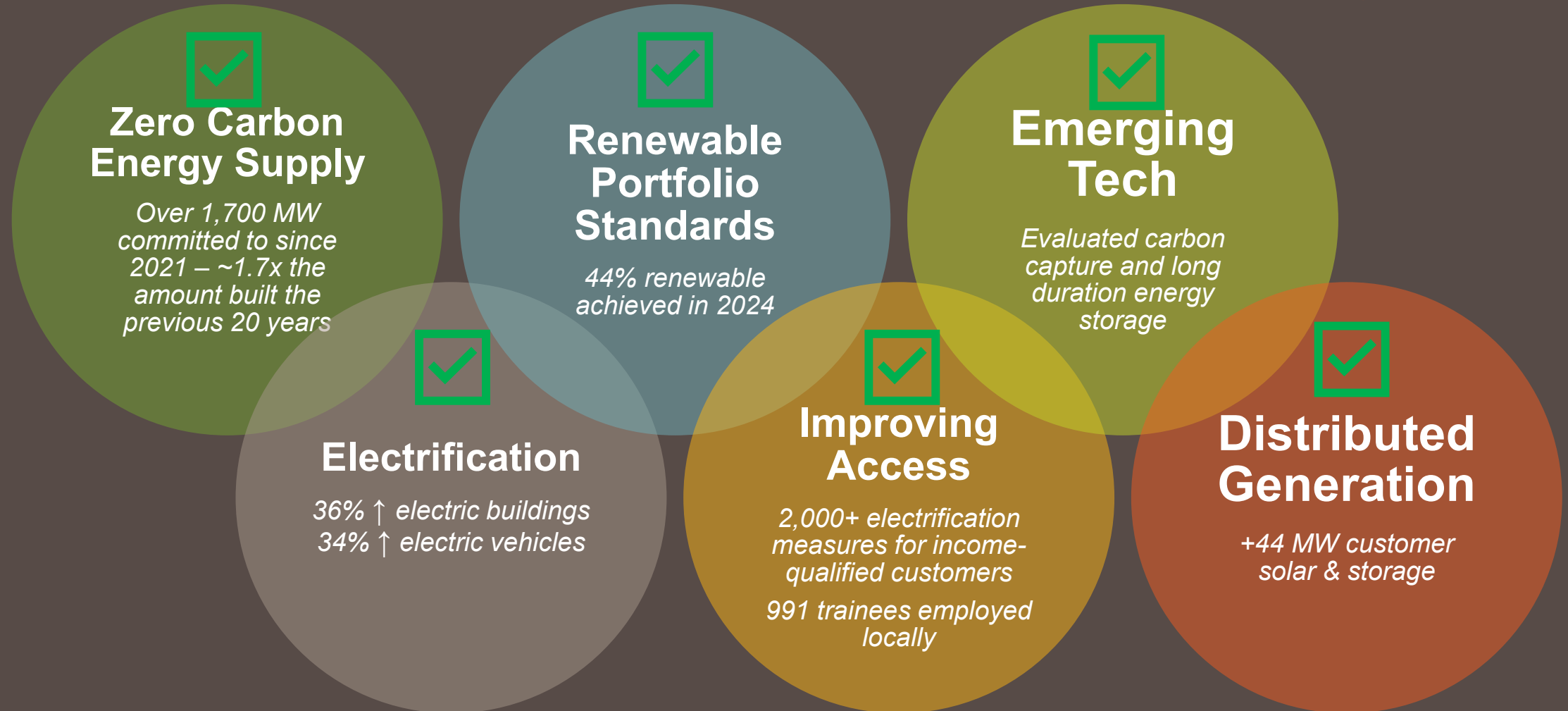
- **304** EV circuits and **216** EV chargers installed.
- **31** solar PV and **19** battery storage systems installed.



Emphasize local and regional benefits; invest in under-resourced communities



# In 2024 we were in compliance with SD-9 goals



## Request the Board accept the SD-9 monitoring report