Exhibit to Agenda Item #1

Provide the Board an update and status of customer programs under the **2030 Zero Carbon Plan**.

Board Energy Resources & Customer Services Committee and Special SMUD Board of Directors Meeting

Wednesday, September 17, 2025, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium



2030 Zero Carbon Plan

Customer programs & initiatives

September 17, 2025



Zero Carbon Plan overview





Remaining 10%+



Pilot & scale new technology and business models

Increase education and demand flexibility, spread adoption of customer-owned virtual power plants & invest in grid-scale technology.



Goal:



From SMUD's power supply



Create thousands of new regional clean tech jobs

Repurpose natural gas generation

Replace 2 power plants with renewable and storage resources and retool remaining 3 to minimize emissions.

Expand proven clean technology

Grow SMUD's renewable and battery storage by 3.5x. Support customer's resources via solar and battery storage.



Pursue grants, partnerships and limit rate impacts

Maximize community benefits

Stay affordable and reliable, improve air quality and overall community health while supporting under-resourced communities.

Up to 90% reduction



Zero carbon customer program portfolios



Building electrification & energy efficiency

Helping customers decarbonize their homes and workplaces by optimizing and managing their electricity use and converting from gas to efficient electric equipment.



Distributed energy resources/ load flexibility

Programs and options to participate in building our Virtual Power Plant to help shift and manage loads during times when energy is needed or when excess energy is available.



Transportation electrification

Information and resources to help customers shop for an EV and special rates and incentives to help customers charge EVs at homes and businesses.



Green pricing

Gives customers the ability to opt in and select a level of renewable and/or carbon-free electricity that meets individual or corporate objectives above and beyond our standard retail rates.



Building electrification & energy efficiency



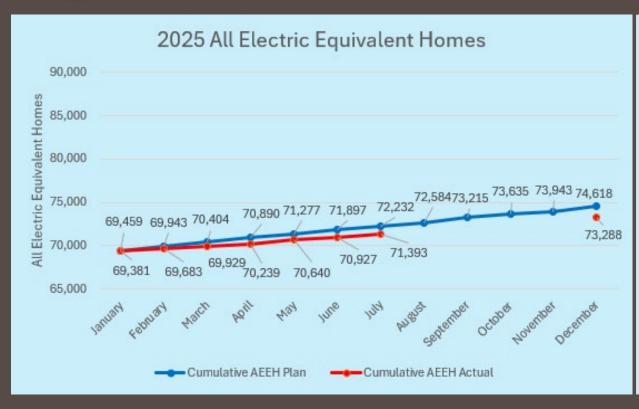
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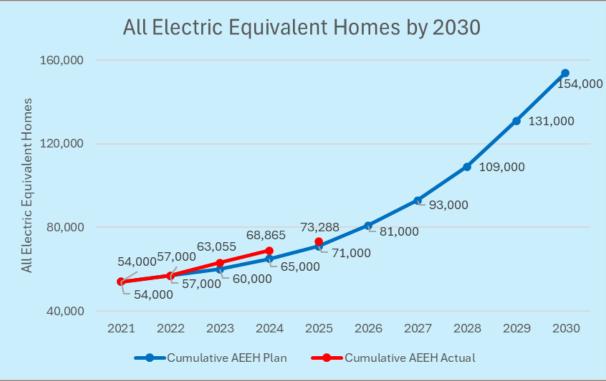




Building electrification & energy efficiency

Customer program portfolio status









Building electrification and energy efficiency Key metrics & milestones

	2024 Final	2025 Goal	YTD (July)	2025 Forecast
Heat pump HVAC conversions	4,413	3,890	2,075	3,325
Heat pump water heater conversions	1,704	1,629	347	722
Induction cooktop conversions	345	375	215	380
Smart homes	659 1,188	763 962	216 1,191	763 1,200
Multifamily units retrofitted	435	339	246	470
Income qualified home electrification retrofits	251	203	171	320
Commercial retrofit and new construction projects	316	292	244	402
All electric equivalent homes (cumulative)	68,865	74,618	71,103	73,165

Program milestones:

- Advanced Homes: 20K heat pumps
- New SMUD Contractor Network & Grid Capacity evaluation platforms
- Significant year-over-year increases in commercial electrification projects
- Community Impact Plan success
- Headwinds from loss of external funding impacting achievement of incremental goals

Looking ahead:

- · Launch online residential electrification tool
- Explore options to address gap in loss of federal funding sources
- Evolve new construction programs with new T24-25 Code





Building electrification and energy efficiency Highlights



Integrated Design Solutions: Aggie Square - Life-Long Learning & Life Sciences Towers



Custom retrofit: Sac Food Bank





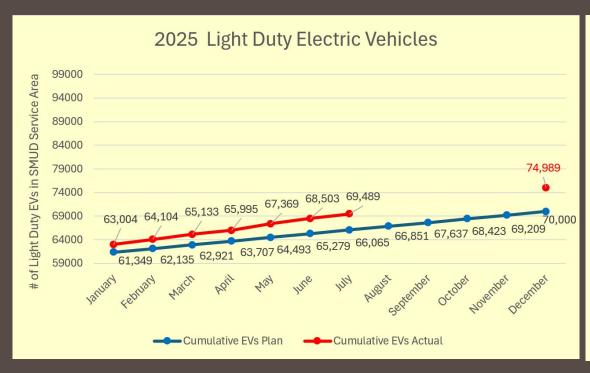


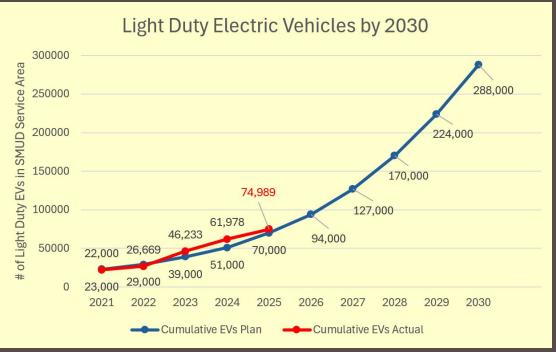
Incentives, information and special rates to help customers purchase and charge Electric Vehicles (EVs) for homes and businesses.





Customer program portfolio status









Key metrics & milestones

	2024	2025	YTD	2025
	Final	Goal	(July)	Forecast
Charge@HomeCharger rebates/circuit installationsIncome qualified installations	4,098	2000	1,794	3,019
(chargers/circuits)	520		495	633
Commercial EV chargers Level 2 (L2) handles/smart outlets Direct Current Fast Charger (DCFC) Equity EV	611	500	263	650
	67	35	25	52
	97		69	97
Residential EV rate participants (cum.)	29,589	34,680	33,265	37,800
eFuel services program	44	30	7	10
	0	10	0	6
Light-duty EVs in service territory (cum.)	61,978	70,000	69,489	74,989

Program milestones:

- Exceeding light duty EV goals, focus on commercial and public charging
- Significant growth in commercial charger installations & fleet electrification
- Launched online tool to help commercial customers electrify fleets
- Integrated Resource Distribution Planning (iDRP) underway

Looking ahead:

- Launch customer EV App & public charging program
- Commercial EV fleet & workplace
- Evolution of Clean Fuel Rewards Program to Medium & Heavy Duty





Highlights



Commercial EV, Go Electric & Integrated Design Solutions at CORE Elk Grove



Ten L2 EV chargers at Sacramento Food Bank



Smart outlets at Bridgeway Towers: 47 Level 1 (L1) "smart" chargers



Distributed energy resources (DER)/load flexibility



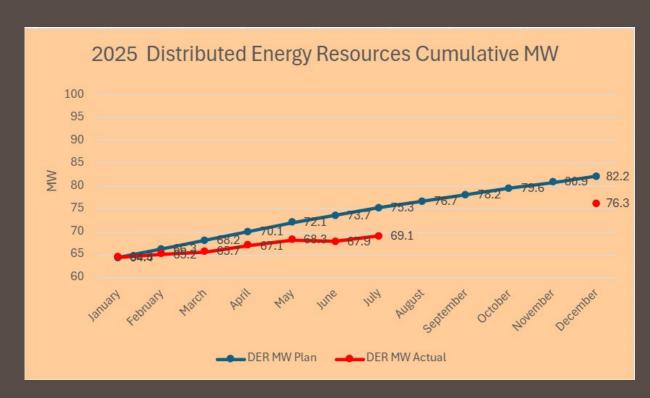
Programs and options to participate in building our Virtual Power Plant to help shift and manage loads during times when energy is needed or when excess energy is available.

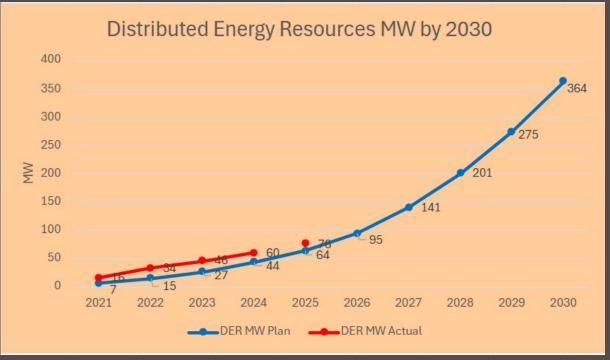




Distributed energy resources (DER)/load flexibility

Customer program portfolio status









Distributed energy resources (DER)/load flexibility

Key metrics & milestones

	2024	2025	YTD	2025
	Final	Goal	(July)	Forecast
My Energy Optimizer Partner • Smart thermostats enrolled • MW enrolled	30,427	39,000	35,066	39,000
	23.73	30.4	27.35	30.4
My Energy Optimizer Batteries	302	1,391	849	1,041
	2	7.51	4.58	5.64
	NA	209	18	52
	NA	.84	.04	.32
My Energy Optimizer Starter/Time of Day (TOD) Optimized	602	3,124	1,285	2,000
	3	7.8	6.43	7.5
Peak Conserve or NextGen Air Conditioning Load Management (ACLM) Customer devices enrolled MW enrolled	1,783	3,500	1,783	1,778
	1.41	2.8	1.41	1.40
Commercial PowerDirect	35	40	36	42
	28	30.5	27	28.6
Residential Managed Charging • Customer enrolled	1,396	3,500	0	350
Total MW of load flexible capacity*	60	82	69	76

Program milestones:

- Nearly 5MW of capacity via My Energy Optimizer Partner+ program with Tesla
- Expanded battery storage incentives for five additional battery manufacturers
- Supply chain issues, economic conditions hampered stretch goals for battery adoption
- DER Market Harmonization definition launched

Looking ahead:

- Multi-DER one vendor approach
- Transition Residential Managed Charging to full scale program (extended procurement process pushed later launch)
- Battery storage expansion to Commercial
- Continue scaling up key programs while adjusting considering value

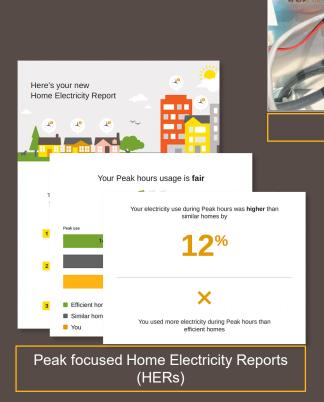


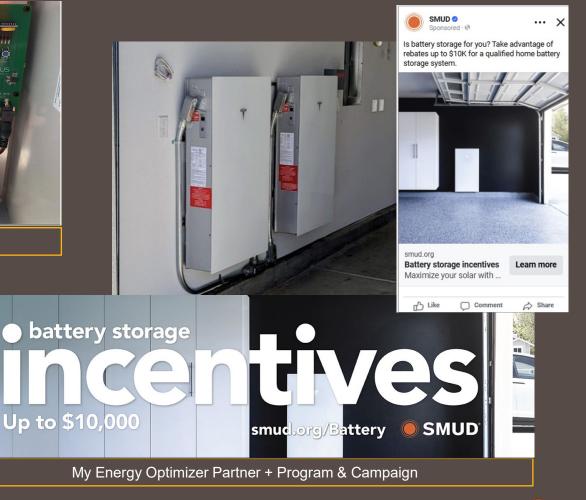
^{*}Total MW includes all Load Flexibility programs, including StorageShares.



Distributed energy resources/load flexibility Highlights

PowerDirect







Green pricing programs



Gives customers the ability to opt in and select a level of renewable and/or carbonfree electricity that meets individual or corporate objectives above and beyond our standard retail rates.





Green pricing programs Key metrics & milestones









Green pricing programs Key metrics & milestones

	2024 Final	2025 Goal	YTD (July)	2025 Forecast
Residential Greenergy accounts	61,520	63,988	62,384	62,849
Commercial Greenergy accounts	1,573	1,661	1,576	1,585
Residential SolarShares accounts	391	1,500	723	>1,600
Neighborhood SolarShares •Enrolled premises (Cum.)	1,590	1,700	1,829	1,900
Single familyMultifamilyAccessory dwelling units	318 1,208 64	340 1,292 68	366 1,389 74	380 1,444 76
Commercial SolarShares •Customer accounts	441	441	441	441
Total gross GWh sales	830	819	464	820

Program milestones:

- Green Pricing Programs growth
- Climate Advocate program expanding projects to include Nature Based Solutions
- Significant growth in Residential SolarShares participation

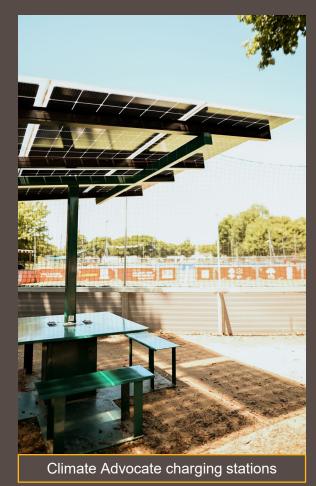
Looking ahead:

- Launching Multi-Tenant Solar option
- Partnering with Department of General Services (DGS) to pilot Renewable Shares
- Continue to scope Solar for Schools projects with Sacramento City Unified School District (SCUSD) and Twin Rivers Unified School District (TRUSD)
- Exploring local solar options





Green pricing programs Highlights





CalPERS Greenergy & SolarShares



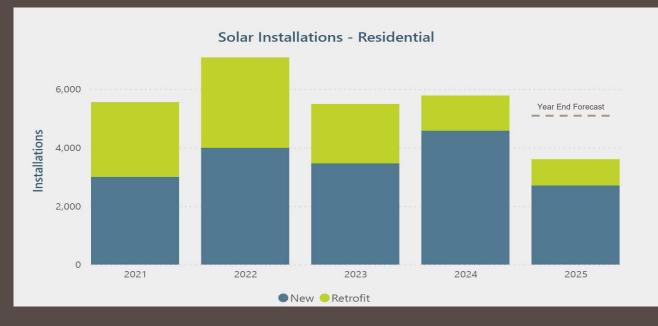


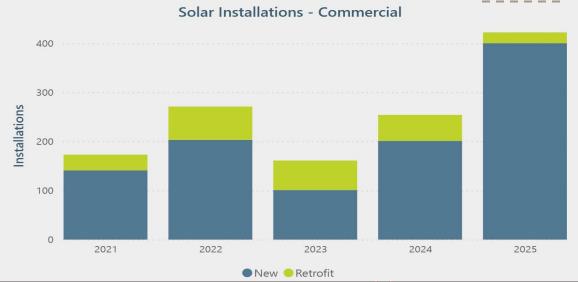
2025 progress

Solar: Behind the meter

2024 & 2025 Solar Applications & Installations January through Aug 23						
			Variance			
	2024	2025	#	%		
Applications	4,163	4,986	823	20		
Installations	3,841	4,096	255	7		









Summary & conclusions

- While we've made good progress in our programs, the loss of external funding, policy changes and tariff/supply chain challenges are making achieving the steeper curve more challenging.
- Integrated Distribution Resource Planning analysis and Integrated Resource Planning starting in 2026 will inform new goal trajectories for the DER portfolios.
- Focused efforts will be key to support our partnership with our customers while ensuring affordability, particularly in an uncertain economic environment.



Questions



