

Exhibit to Agenda Item #3

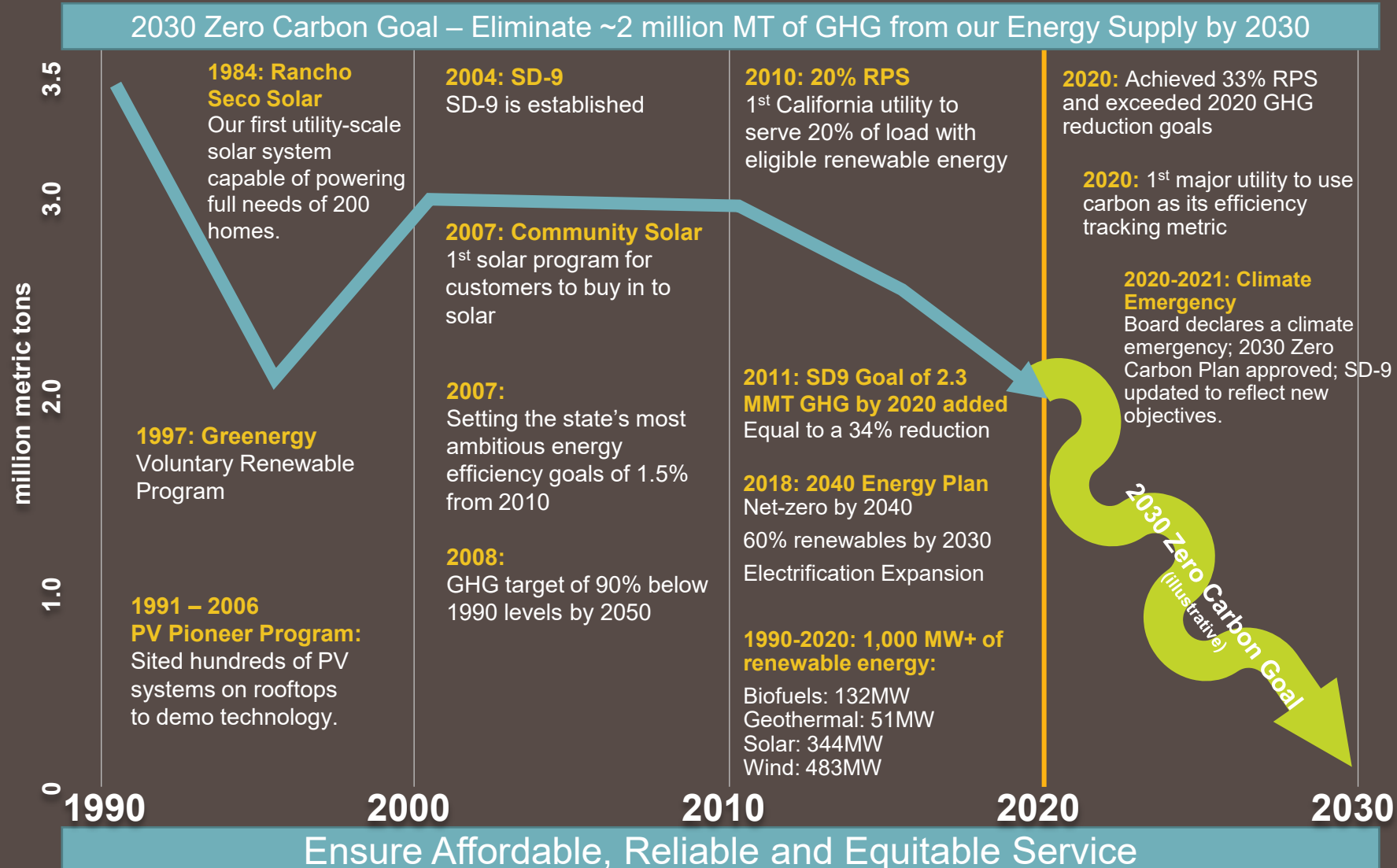
Accept the monitoring report for **Strategic Direction SD-9, Resource Planning.**

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

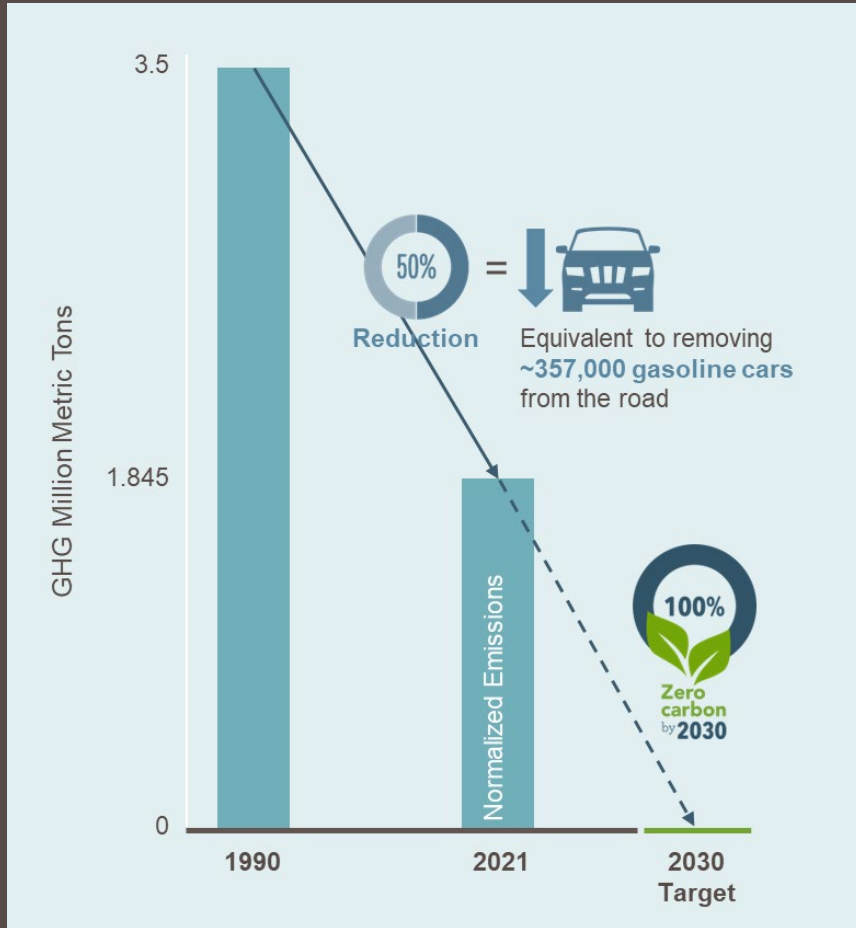
Wednesday, October 19, 2022, scheduled to begin at 5:30 p.m.

Virtual Meeting Online

SD9 Goals Past/Present/Future



2021 Performance: Greenhouse Gas (GHG) Targets and Goals



2021 SD-9 GHG Footprint & Near-Term Targets ¹	
Source	GHG Emissions (000 MT)
Net SMUD Carbon Emissions ² (Non-Normalized Total)	2,425
Adjustment for Normal Load (SMUD retail sales were ~5% higher than expected)	-122
Adjustment for Normal Wind and Hydro (SMUD hydro generated ~60% less than normal)	-304
Adjustment for REC Banking	-154
2021 SMUD Normalized Emissions	1,845
2030 Target	0

¹ The thermal power plant emissions, SMUD's largest source of emissions, have been independently verified. Emissions by individual thermal asset can be found in the 2021 SD-7 Report.

² Net of wholesale sales

2021 Renewable Portfolio Standard Procurement and Project Development

Project Name	Type	MW	Equivalent Homes	Online Year
Rancho Seco 2	PV	160	37,400	2021
Chili Bar	Small Hydro	7	3,400	2021
Hedge Battery	Battery	4	800 (peak)	2022
NTUA Drew Solar	PV	100	33,100	2022
Northern California Geothermal	Geothermal	100	97,300	2023
Coyote Creek	PV	200	58,500	2024
	Battery	100	20,000 (peak)	2024
Slough House	PV	50	14,600	2023
Country Acres	PV	340+	98,000	Planning (2024-2025)
	Battery	170+	34,000 (peak)	
Solano 4	Wind	86	26,800	2024-2025
Total		1,300+	375,000+	

2021 RPS of 35.75% achieved with eligible renewables.

Clean Distributed Generation and Storage

Customer Solar – 2021 Installations

Residential		Commercial		Total	
Installed Systems	MW	Installed Systems	MW	Installed Systems	MW
5,535	26.56	171	3.36	5,706	29.92



Customer Energy Storage – 2021 Installations

Residential Battery		Commercial Battery		Totals	
Installed Systems	MW	Installed Systems	MW	Installed Systems	MW
246	1.62	1	0.01	247	1.62

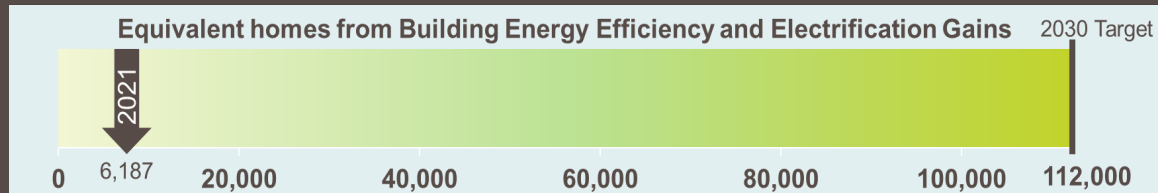


2021 Building Energy Efficiency, Building Electrification, Transportation Electrification

Building Energy Efficiency and Electrification

2021 Highlights

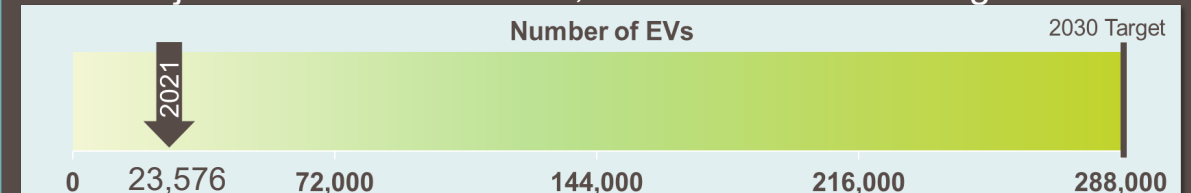
- Program implementation contract for the residential My Energy Optimizer offerings for smart thermostats
- Programs supported 298 newly built all-electric homes as well as many retrofits for existing homes.
- Over 2,000 energy efficiency and building electrification upgrades for our income-qualified customers.



Transportation Electrification

2021 Highlights

- ~ 60% of Residential EV households participated in the EV rate credit
- California Mobility Center – expanded workforce development programs; assisted 115 people in securing internships or employment through Workforce Pathways Partnership Program.
- Continued support of the Clean Cars for All program in conjunction with SMAQMD; installed 131 EV Chargers.



Improving Equity for Under-Resourced Communities

- Partnered with community organizations to expand workforce development programs.
- Trained over 800 people in a variety of skills to help them find higher paying, more secure jobs.
 - Energy Career Pathways partnership with Grid Alternatives closed the year with 93 participants and over 30 percent job placements
 - Over 100 jobs placed in conjunction with the California Mobility Center partnership
- Working to remove barriers to load flexibility pilot participation and are expanding efforts to provide no-cost energy retrofit installations to income-eligible residential customers
- Began work on our Community Impact Strategy
 - Underlines our commitment to making meaningful investments in under-resourced communities to ensure their participation in a clean energy future (doubling of investments)



Conclusion:

We have met or exceeded SD-9 in 2021



2021 GHG emissions on track to achieve our 2030 goal



2021 Renewables Portfolio Standard was achieved



Expanded support of distributed energy resources and energy efficiency/electrification, with equity in mind

Request the Board accept the 2021 SD-9 monitoring report