

Exhibit to Agenda Item #11

Adopt a resolution declaring a Climate Emergency.

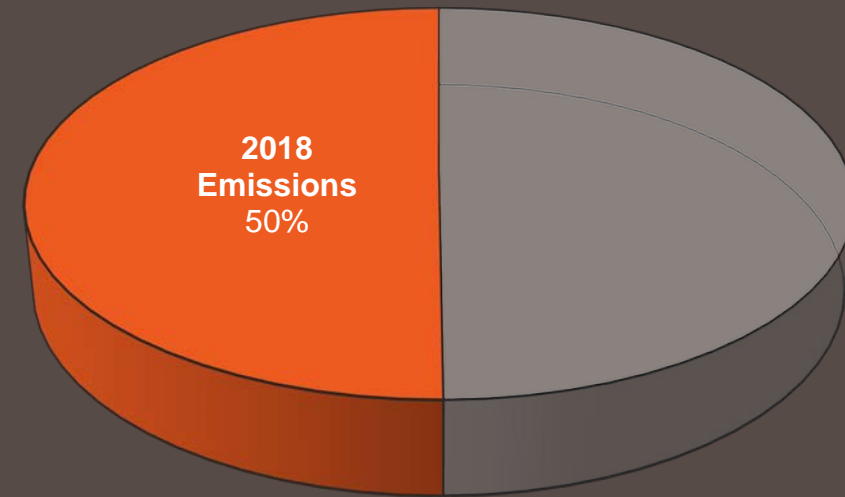
Board of Directors Meeting

Thursday, June 18, 2020, scheduled to begin at 5:30 p.m.

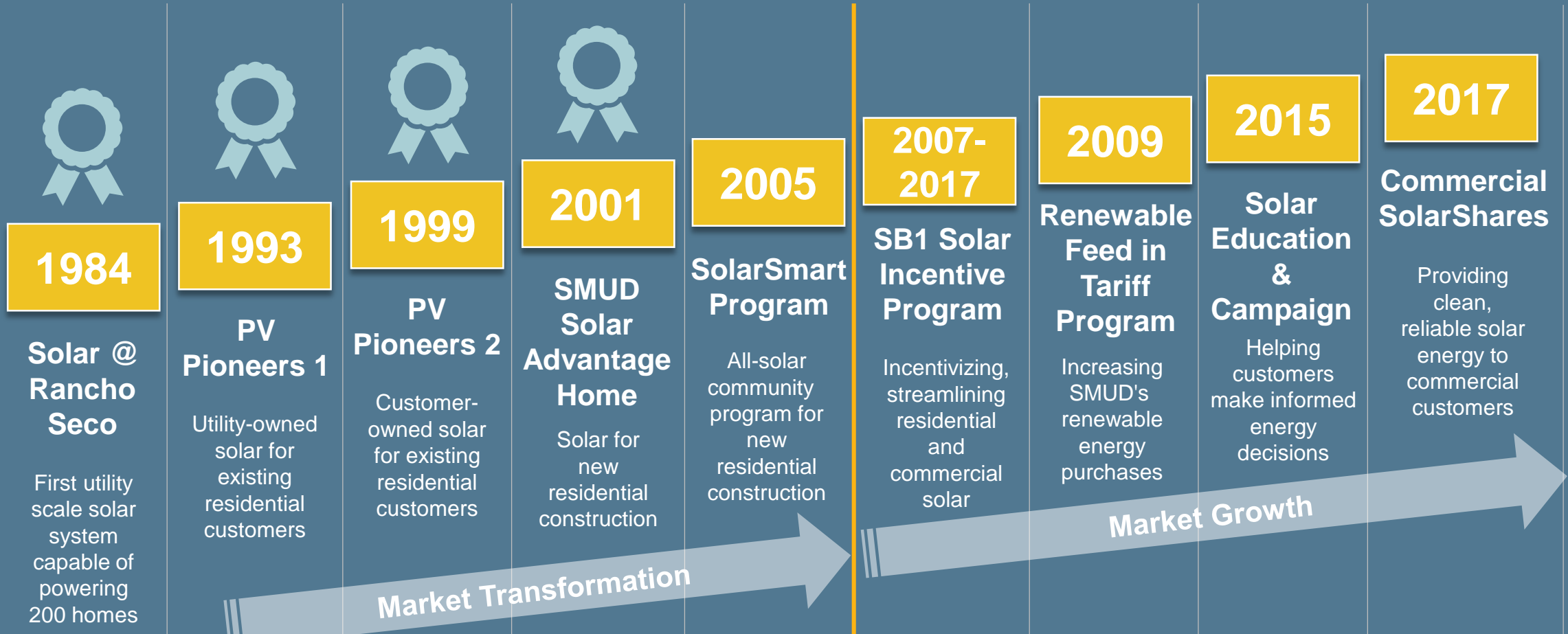
SMUD GHG Efforts

- Reduced GHG 50% since 1990, equal to removing 377,000 gasoline vehicles from the road
- Established RPS targets many years before POUs were required to do so
- First large utility in California to generate 20% of its power supply from renewable resources
- Spent \$130 million in incentives to put solar on over 15,000 customers' rooftops
- Most Substantial Commitment to Electrification in the Country
 - Partnered with the SMAQMD and 3 school districts for 29 electric school buses and charging
- First utility in the nation to move to a carbon metric for our energy efficiency and electrification programs, consistently been above CA targets for EE
- 2020 award winning Energy StorageShares program (CESA Clean Energy Award)

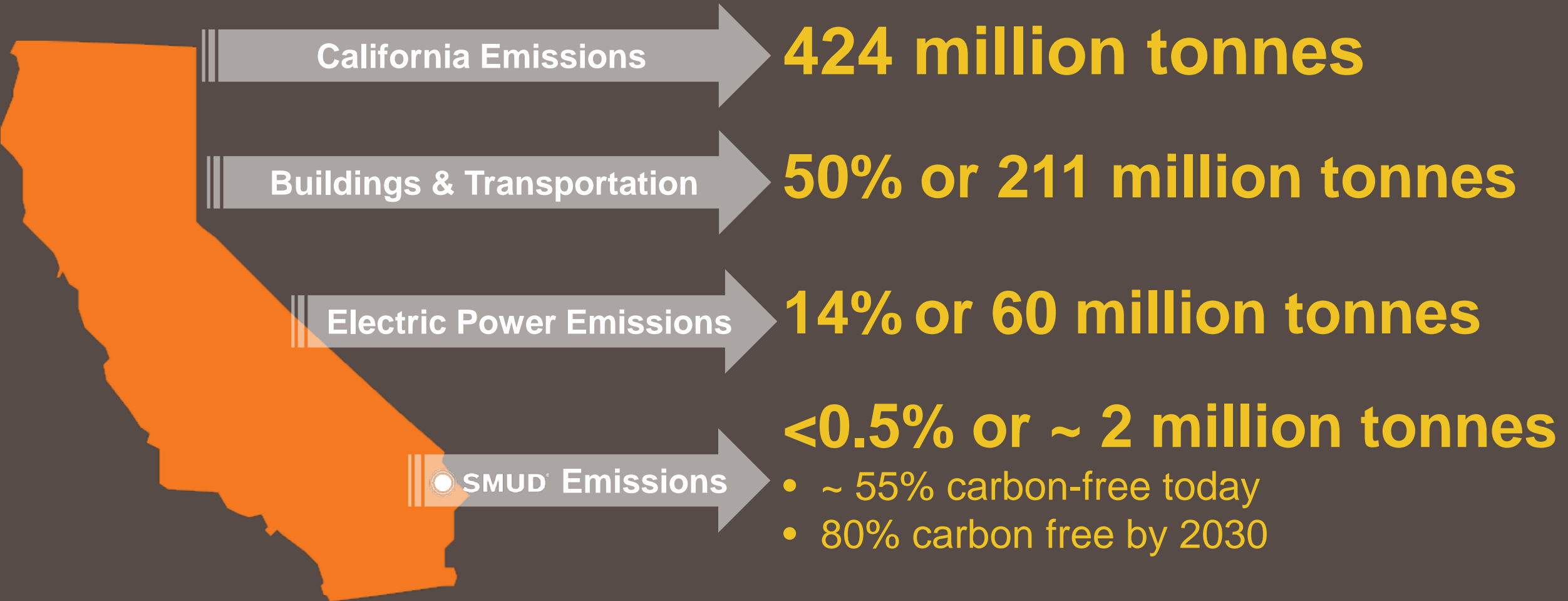
SMUD Emissions
(3.5 MMT in 1990)



SMUD's Solar History



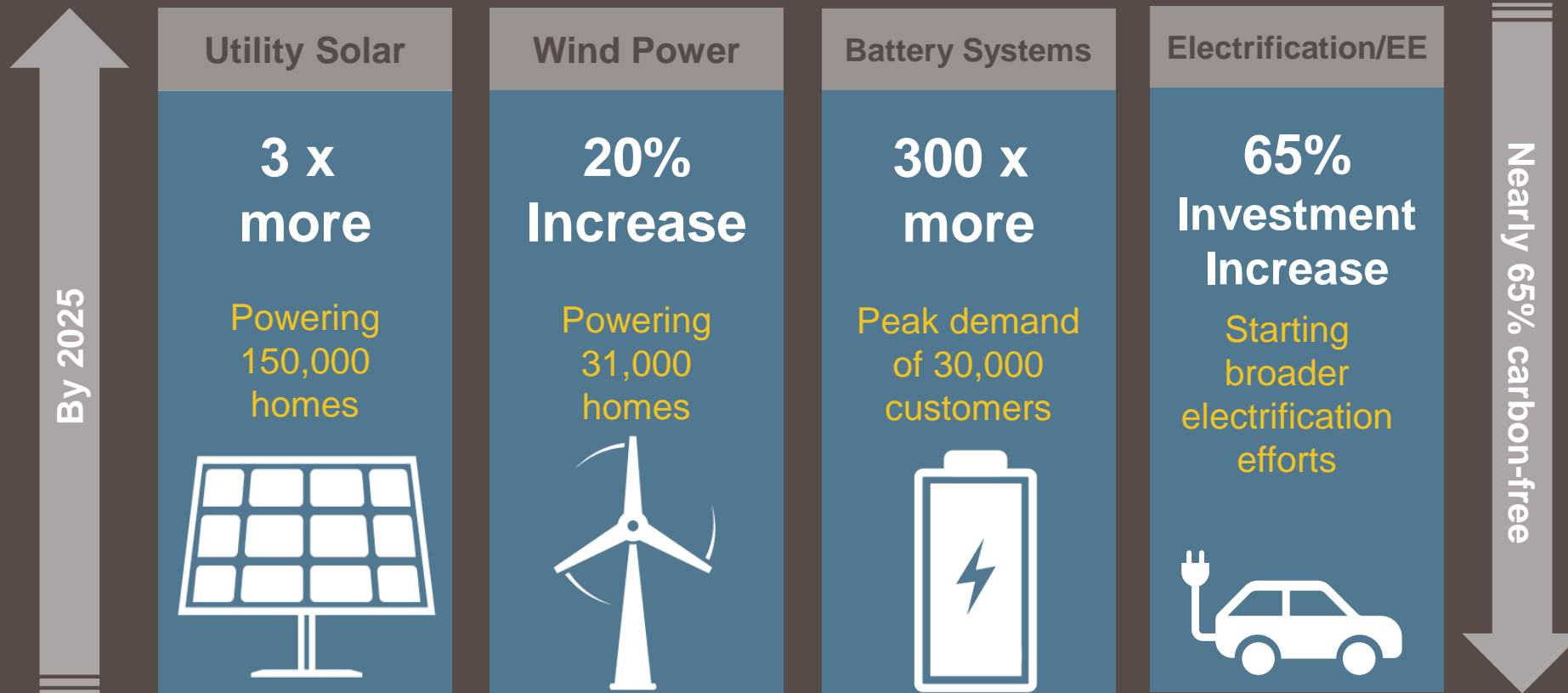
Greenhouse Gas Emissions Statewide Perspective



SMUD's Near-Term Objectives for GHG Reduction

\$1.5 billion

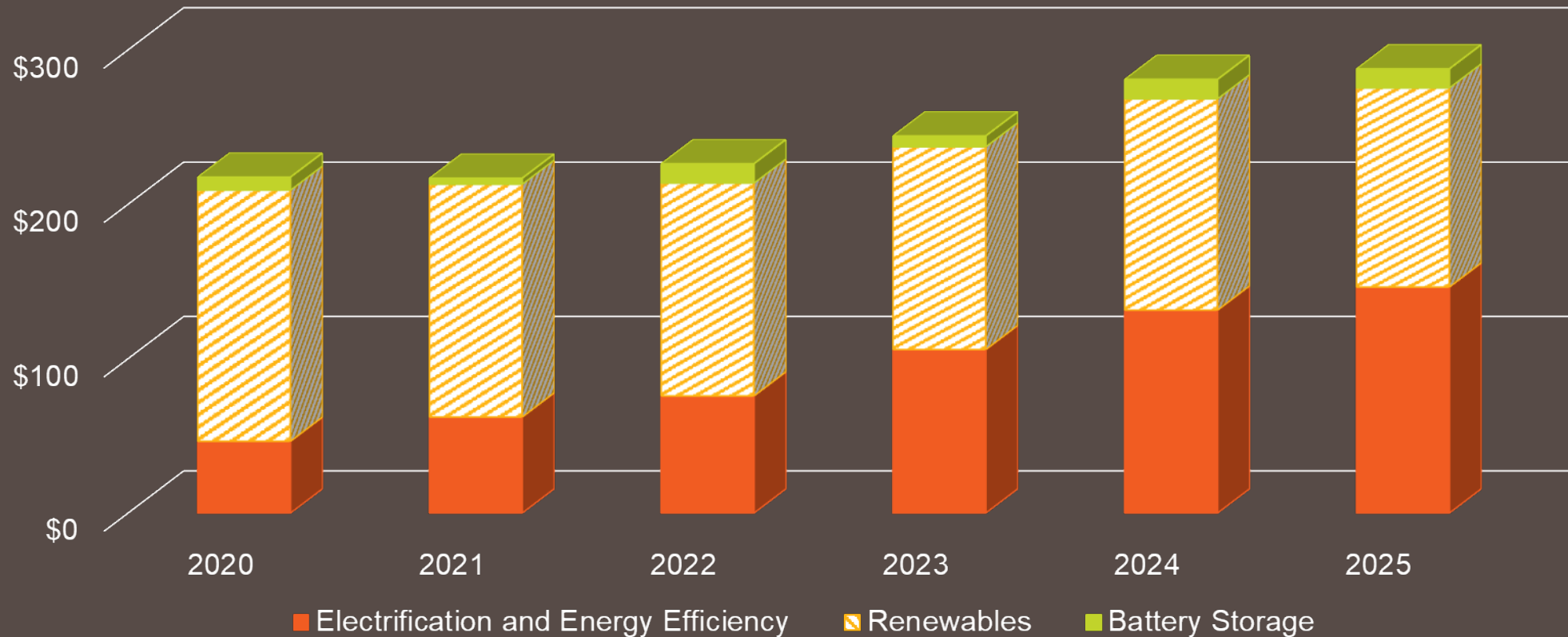
Local Utility Solar, External Renewables, Battery Storage, Electrification and EE



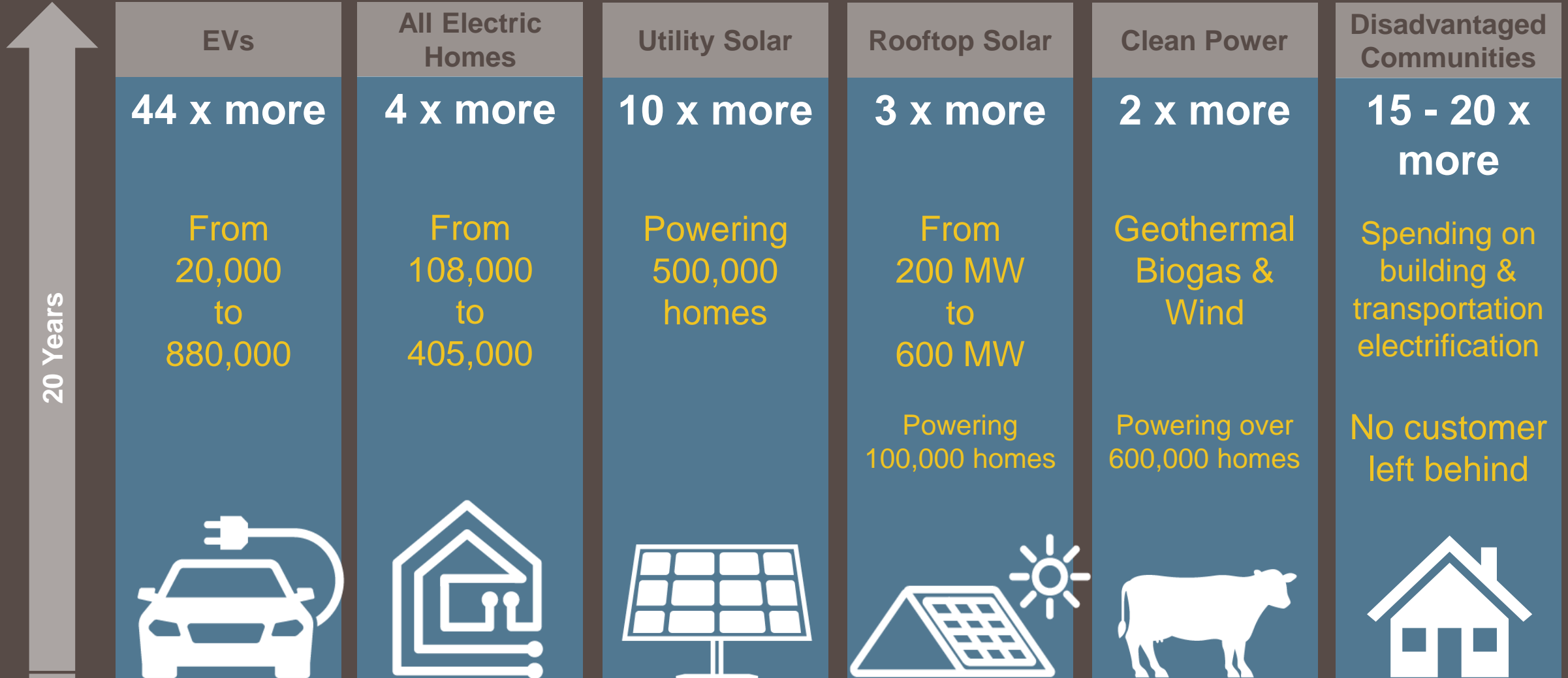
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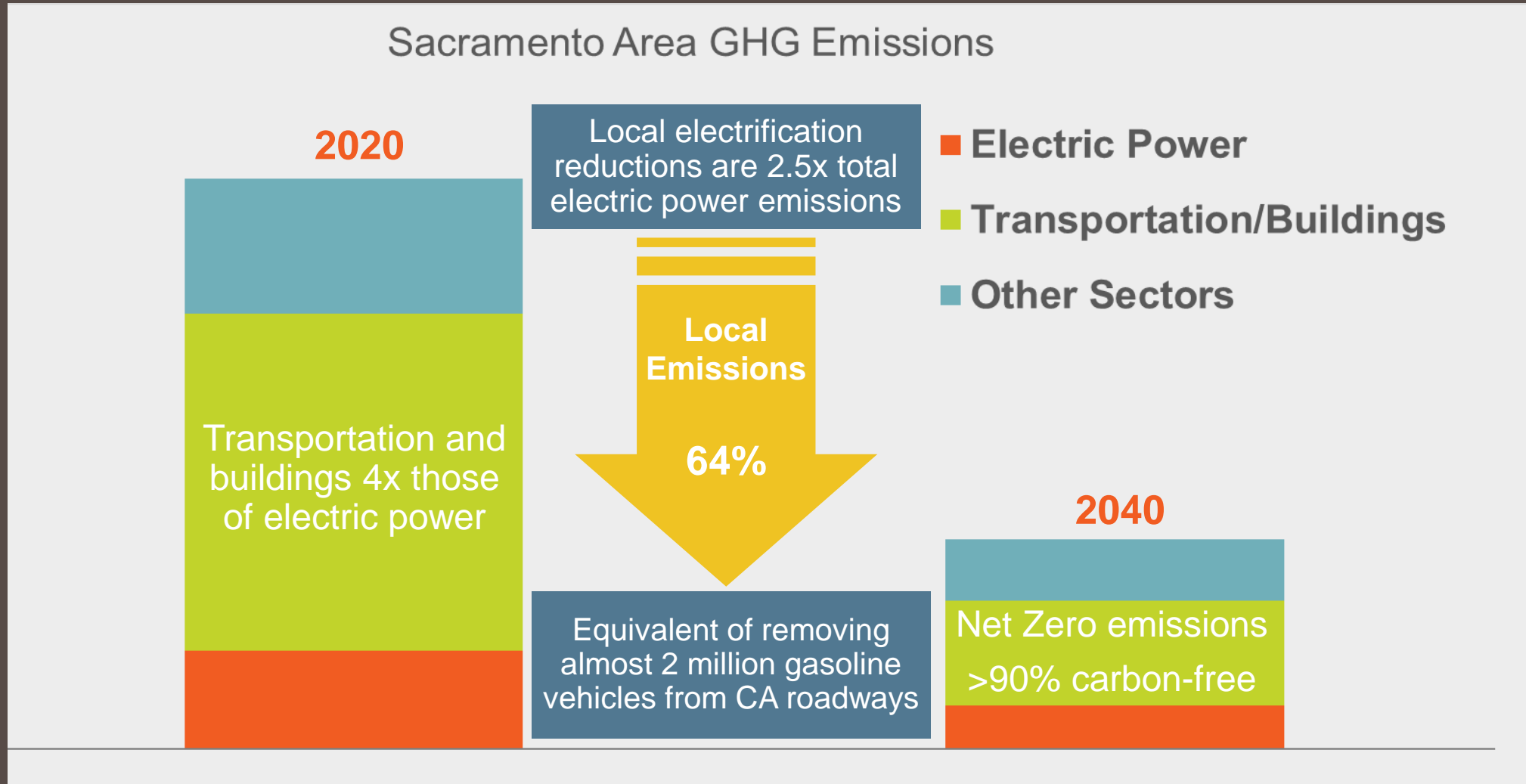
Local Utility Solar, External Renewables, Battery Storage, Electrification and EE



SMUD's IRP Leads to a Low-Carbon Future



Impacts of IRP



Sustainable Communities Carbon Reduction Activities



Sustainable Communities Initiative Resource Priorities Map and Metrics



Sustainable Work Force Development Program- Solar Careers Program, California Mobility Center Workforce Pipeline, & Electric Vehicle installation training program



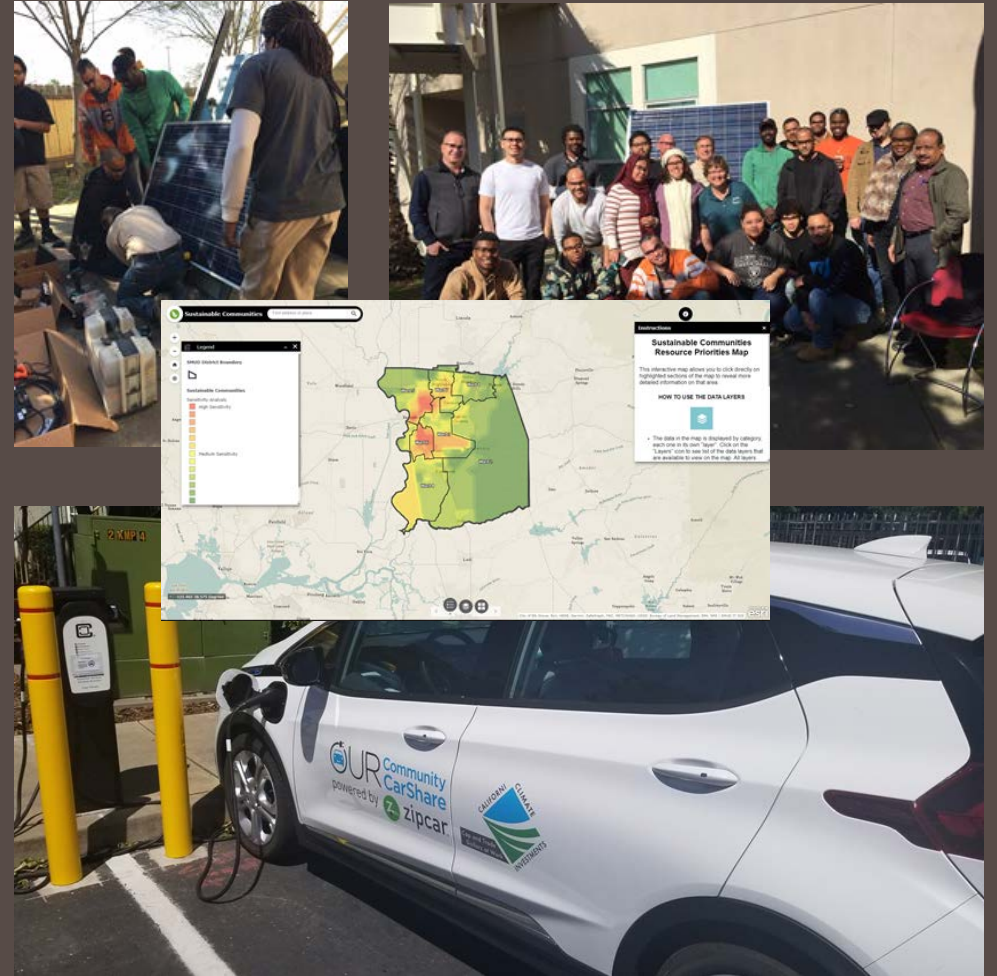
Energy Vehicle Supply Equipment Equity Priority Evaluation w/ City of Sacramento and Sacramento Metropolitan Air Quality Management District



Electric Vehicle charging and electrification hubs development (Del Paso Heights) and grant proposal



Tree Foundation Multi-Family Residential Pilot



Continued GHG Reductions

Goal — Reduce greenhouse gas emissions as quickly as possible

While maintaining



Safety



Reliability



Affordable rates

Our IRP will not remain static

- We will constantly track and adapt to new developments and opportunities to accelerate GHG emission reductions

New technology options

- Carbon sequestration
- Hydrogen
- Biogas
- New battery technologies
- Other long-term storage options

Must be Reliable, Resilient, Cost-effective, and Capable prior to large scale investments

Reduce natural gas usage

- We'll shut down thermal plants when safe, reliable and affordable alternatives are available

Next IRP Timeline

