

PROGRAM ROADMAP UPDATE

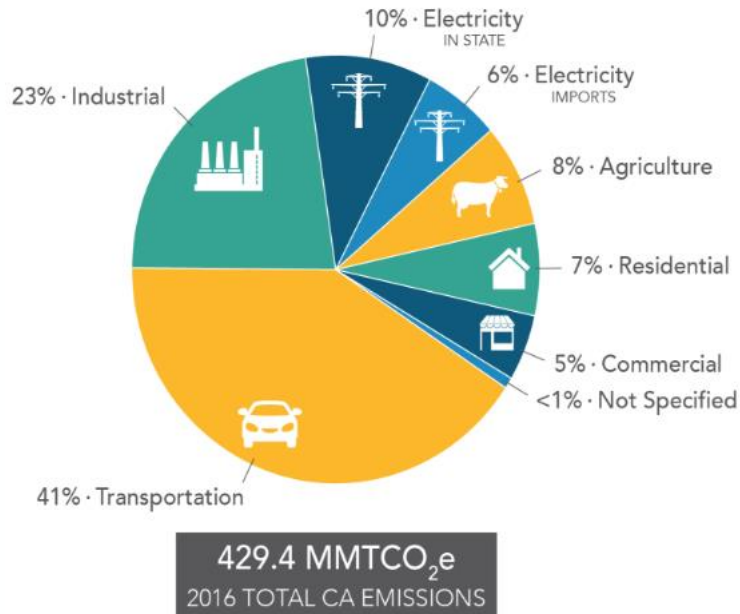
4/11/19



CALIFORNIA AND SAN JOSE EMISSION SOURCES

California

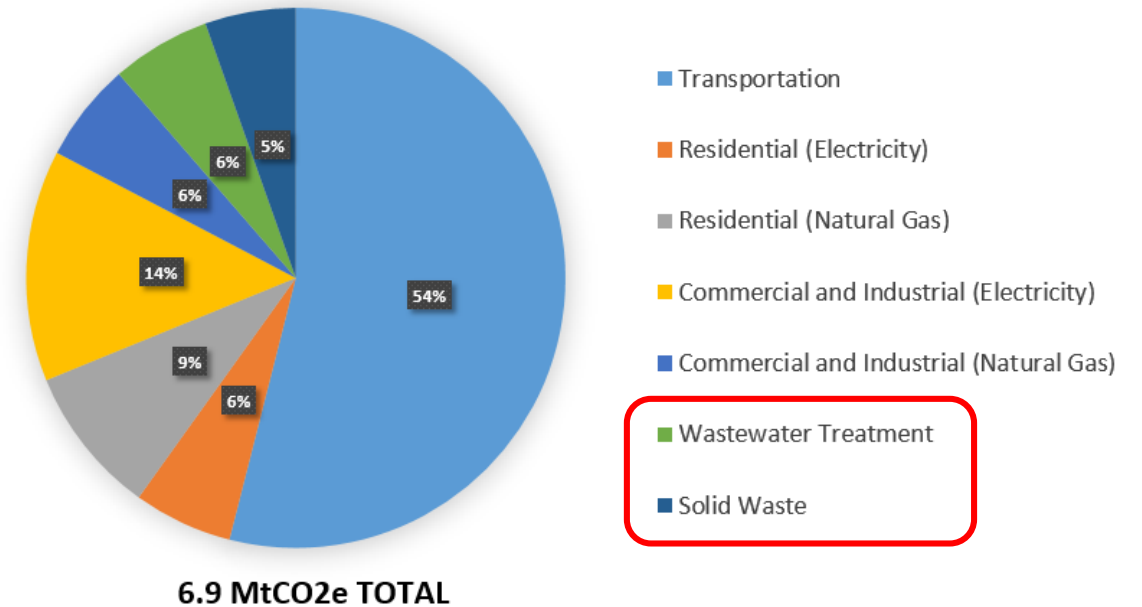
Emissions by Economic Sector



Source: CARB

San Jose

San José GHG Emissions (2014)



Source: San José Community-Wide Greenhouse Gas (GHG) Inventory Update



COMMUNITY OUTREACH

COMMUNITY OUTREACH ACTIVITIES

1. Community Leader Engagement

- Districts and meetings attended
 - District 8, 5, 3, 7, and 6 neighborhood leadership
 - City of San Jose Neighborhood Commission meeting

2. Focus Groups

- Vietnamese and Spanish language focus group with questions focused on programs. English focus group in April.

3. General Survey

- Developing survey for general population on programs
- Targeting 300+ responses

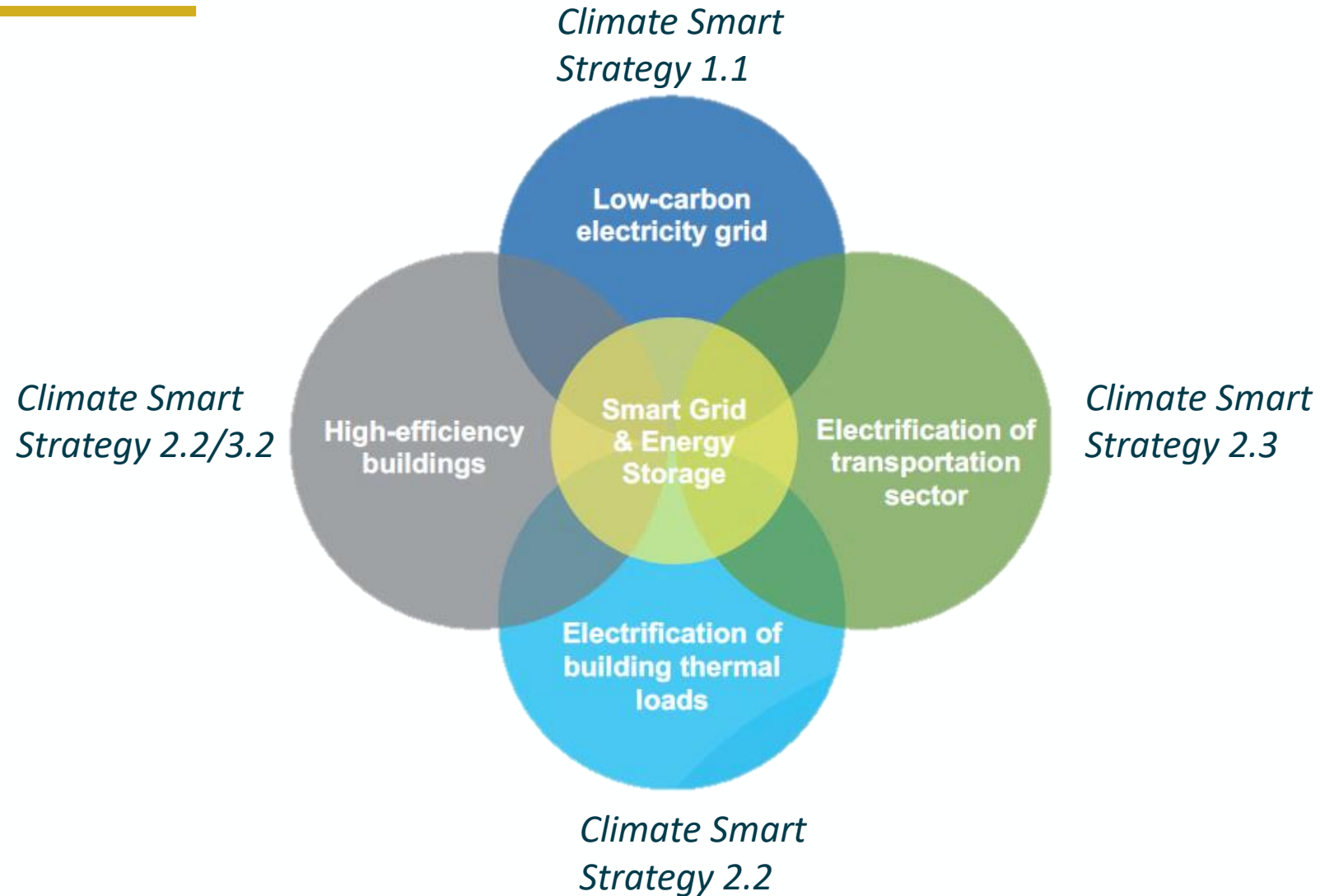


PROGRAM UPDATE

PROGRAM GUIDING PRINCIPLES

- Maximizes greenhouse gas reduction opportunities
- Aligns with Climate Smart San Jose plan
- Promotes equity and supports disadvantaged communities
- Improves or maintains the financial strength of San Jose Clean Energy and the City of San Jose

POTENTIAL PROGRAM LANDSCAPE



POTENTIAL PROGRAM “GAP FILLING”

Vehicle Electrification

Low income EV incentives

EV Incentive Guidance-Education

EV Charging Infrastructure Incentives

Distributed Energy Resources

Roof top Solar in Disadvantaged Communities

Energy Storage-only Program

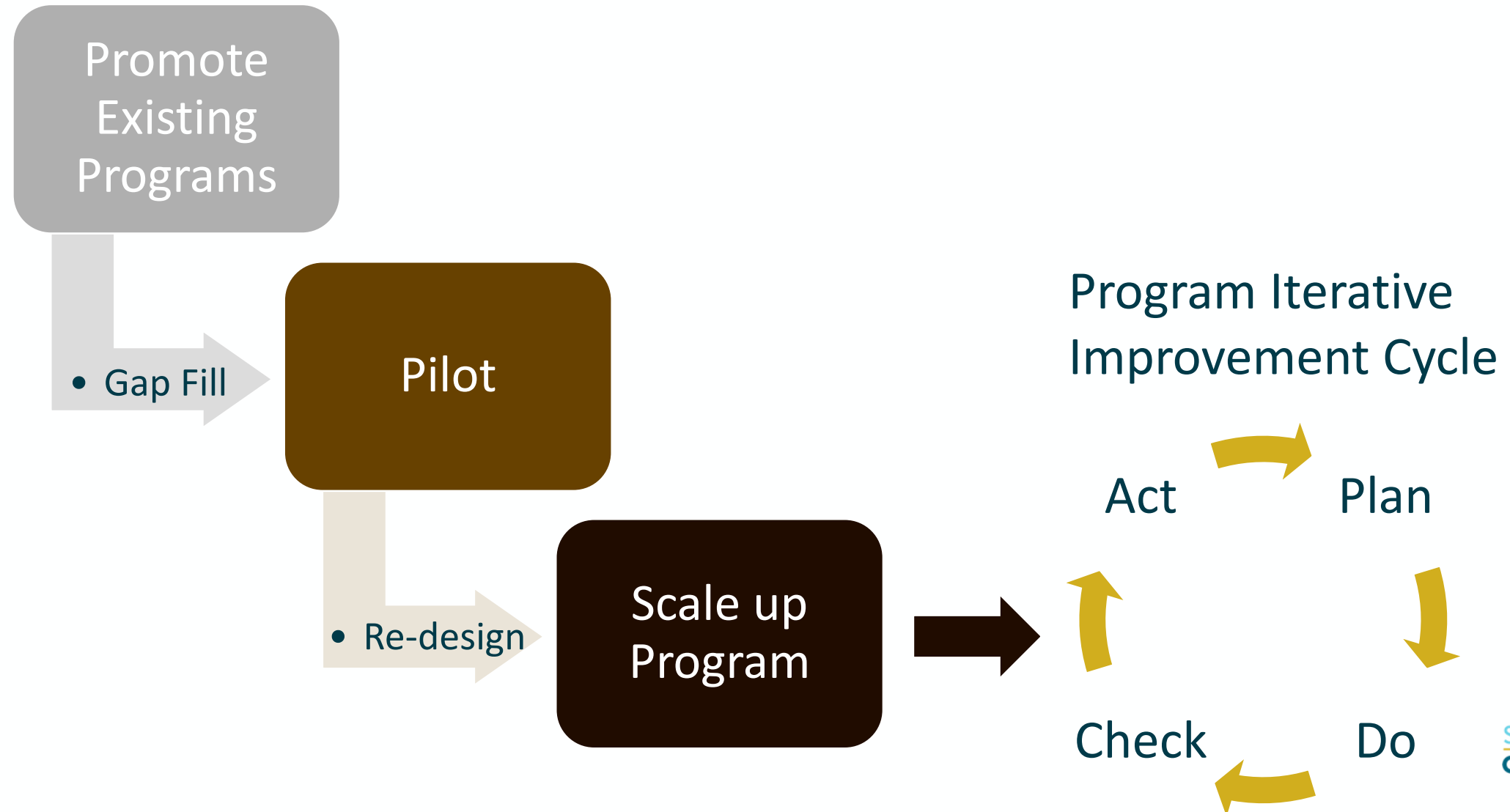
Building Electrification

Heat Pump Water Heater/Panel Incentive Program

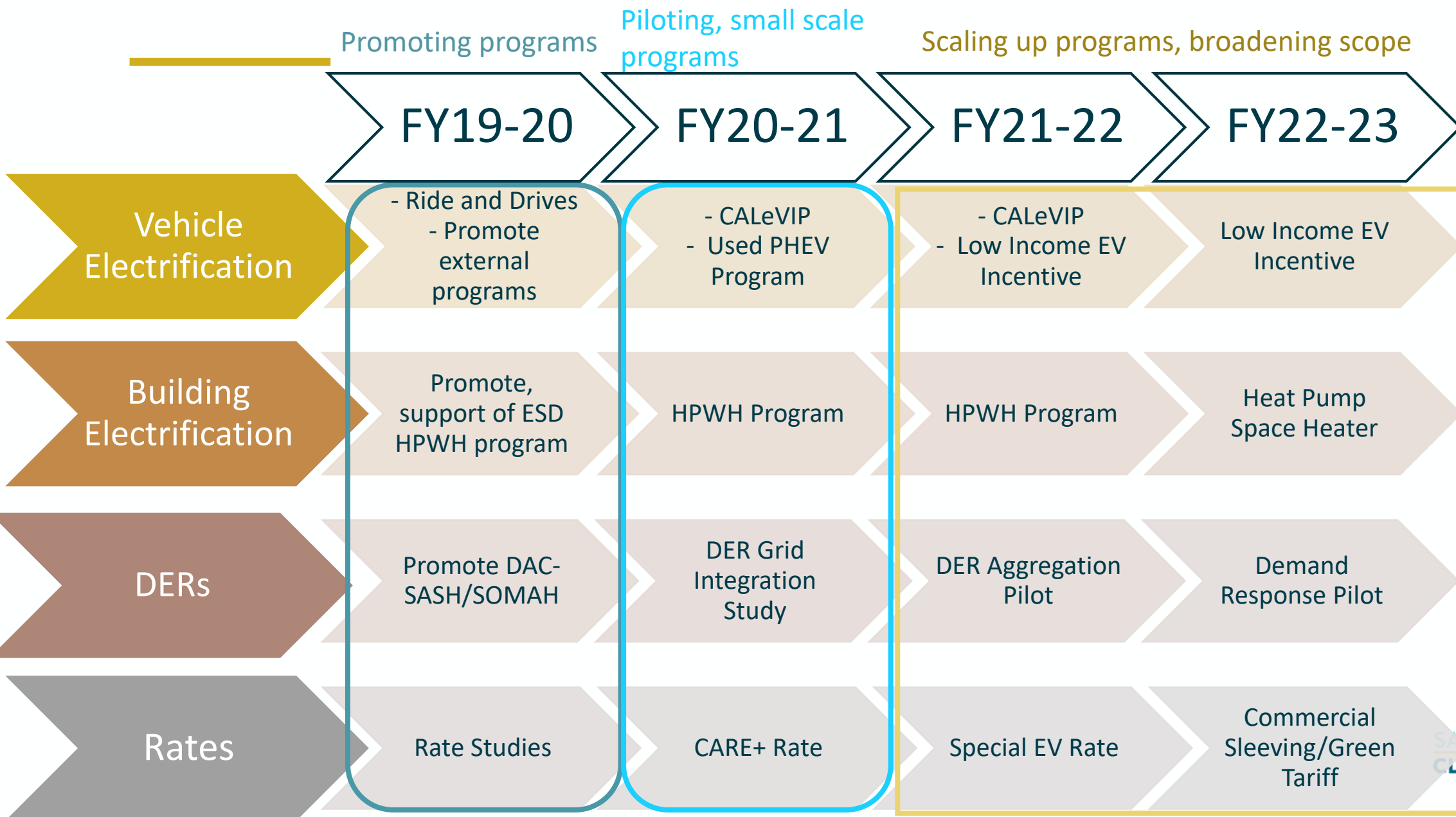
Rates/Equity

Additional CARE Rates for Low Income (>200% FPL)

PROGRAM IMPLEMENTATION APPROACH



POTENTIAL PROGRAM ROADMAP



NEW PROGRAM AREAS EXPLORED

Lawn Equipment Electrification

- Potential equity impact targeting small businesses
- San Jose East Side Union and other School Districts potential targets

School Buses

- Explore Pay as You Save (PAYS) Model
- Leverage existing State and BAAQMD programs

Electrical Panel Upgrades

- Potential program to pair with existing programs for EV charging, electric heat pump and Roof top solar
- Target low income, disadvantaged neighborhoods



QUESTIONS?

PROGRAM IDEAS - QUANTIFIED

Program	Lifetime electrical load impact (MWh)	Lifetime Revenue Potential	Full Program Cost	Program Profit/(Loss)	Customers Impacted	Lifetime Carbon Reductions (MT of CO2e)	% CO2 reduced of CS Plan	Net \$ per MT CO2 reduced
Low Income EV Incentives	24,030 ₁₀	\$1,682,121	\$2,915,000	(\$1,232,879)	1,000	25,360	1.62%	\$49
HPWH Incentive	7,424 ₁₀	\$539,799	\$1,100,100	(\$340,201)	400	7,200	N/A	\$47
Ride and Drive Event	1,090 ₁₀	\$76,296	\$90,000	(\$13,704)	50	1,268	0.08%	\$11
Low Income Used PHEV Program	755 ₅	\$52,867	\$550,000	(\$497,133)	100	660	0.04%	\$753
C&I Energy Storage	(0) ₁₀	(\$2,357,920)	25% of 1 staff time	(\$2,357,920)	3	N/A	N/A	N/A
SASH in Low Income non-DACs	(730) ₁₀	(\$51,100)	\$280,000	(\$331,100)	10			

10 = 10 year product life

5 = 5 year product life

AUTO OEMS ELECTRIC MODEL PLANS

