

# Climate Smart San José Update

SPUR

September 12, 2019



# CLIMATE SMART SAN JOSE

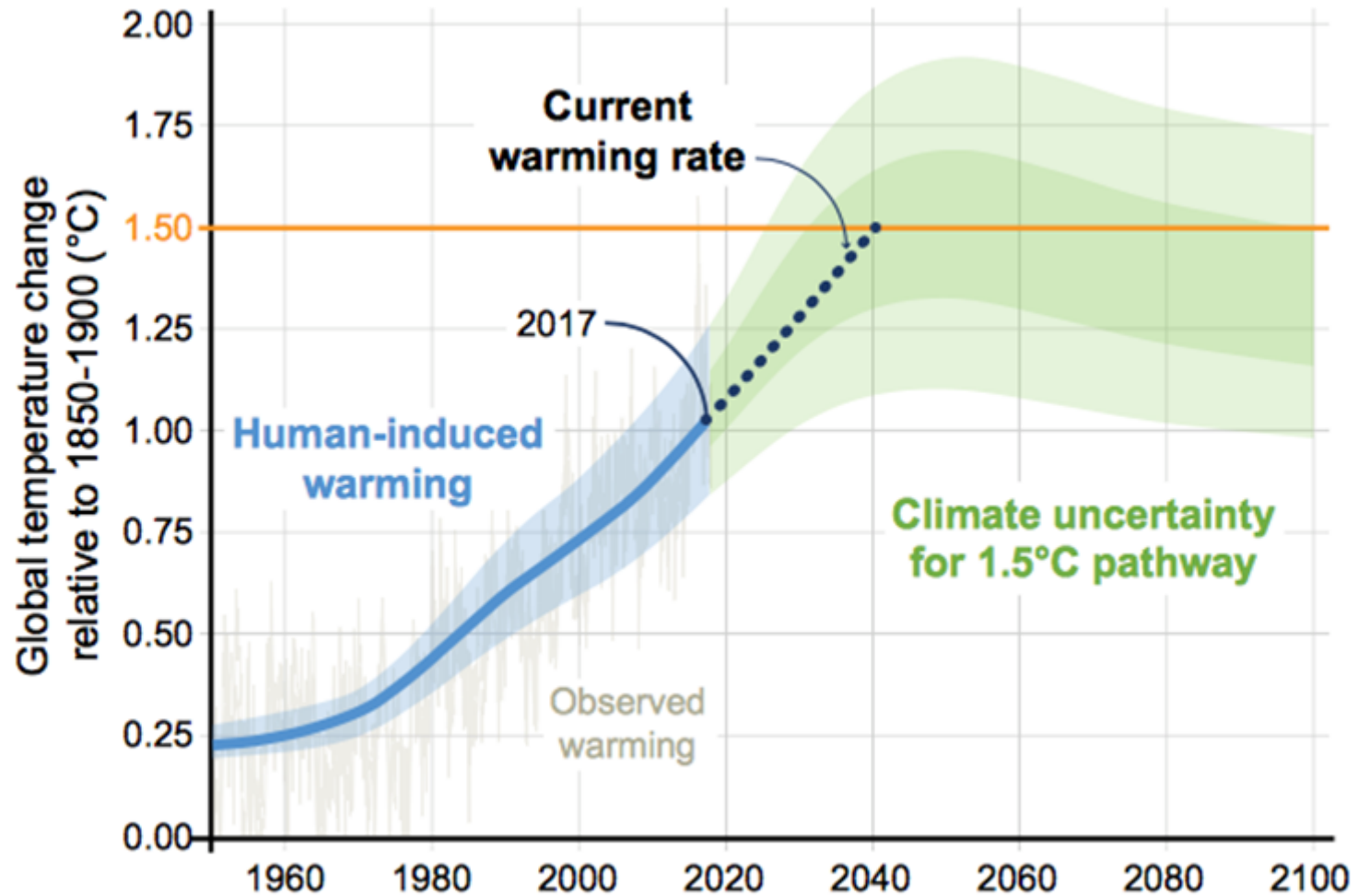
A People-Centered Plan for a  
Low-Carbon City



- Background
- Community Engagement
- Workplan Updates

# Background

# Global Temperatures are Rising



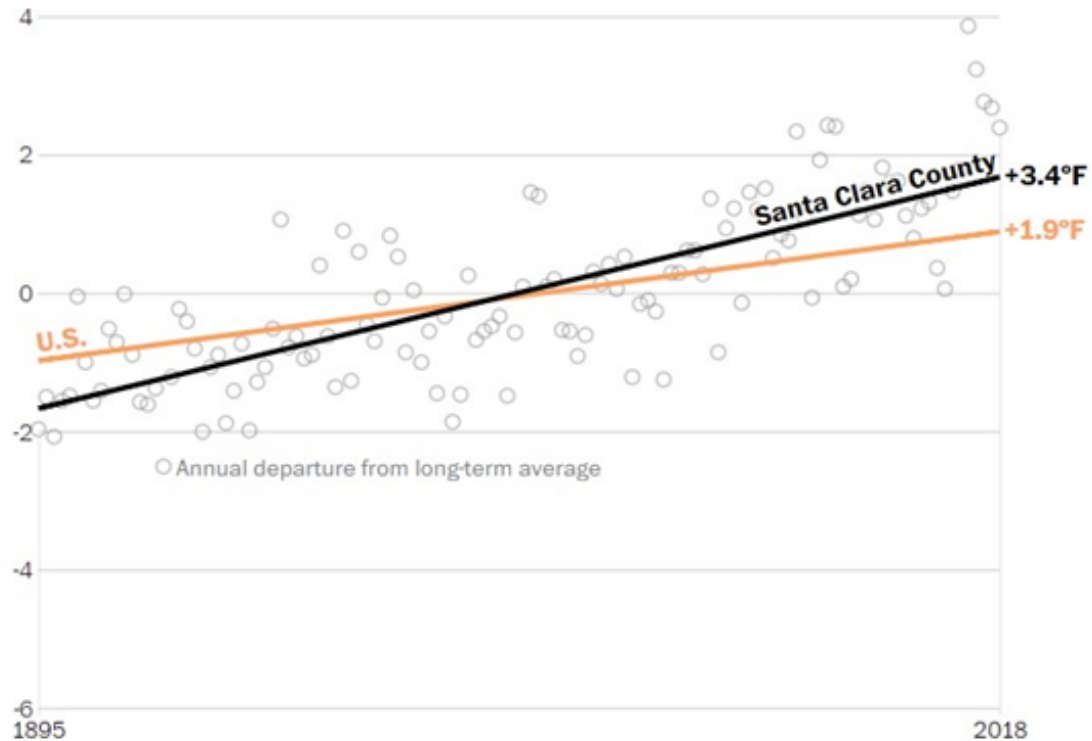
# Local Temperatures are Rising

Santa Clara County, California

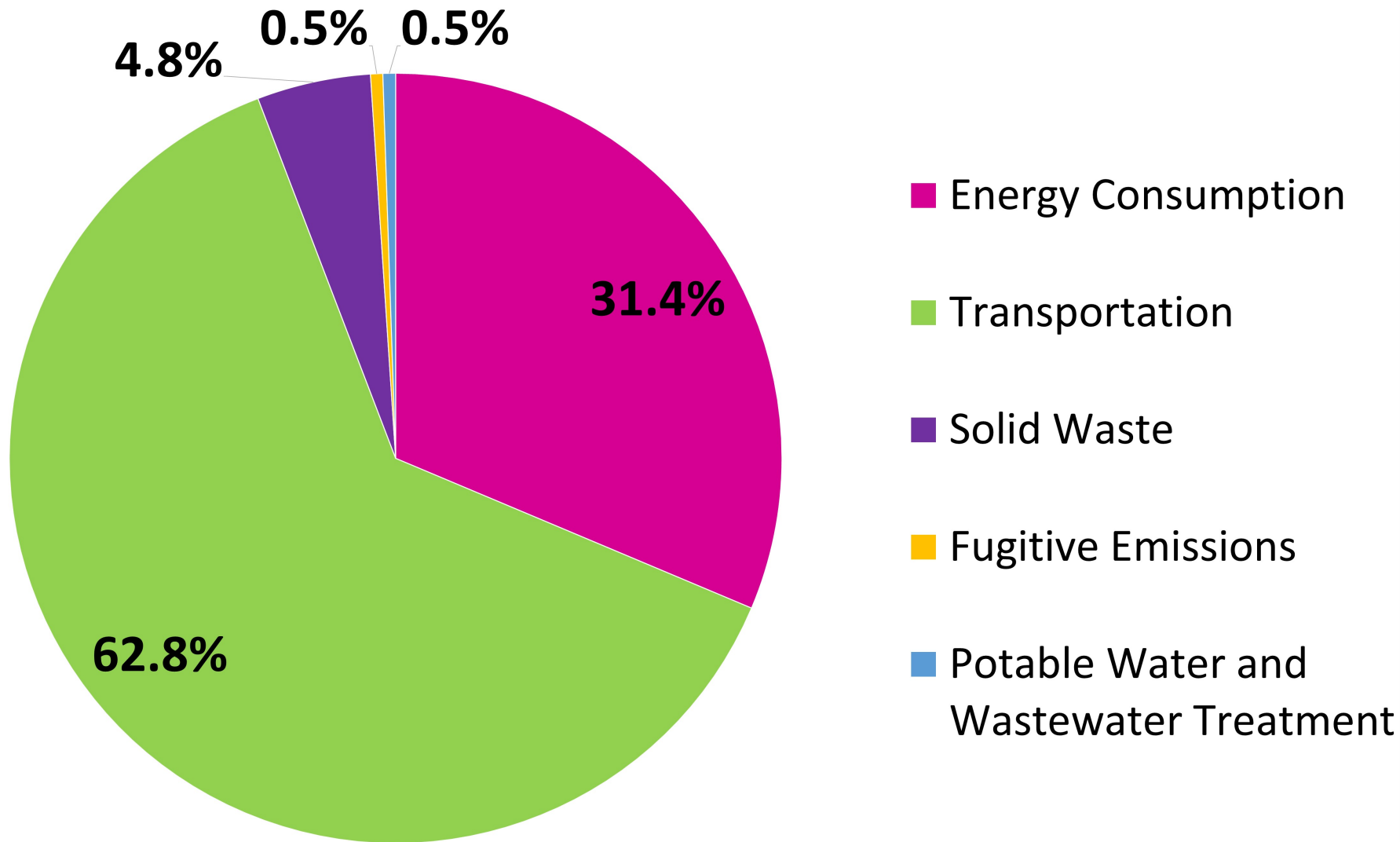
+3.4° Fahrenheit

Annual temperature change, 1895-2018

6°F above long-term average county temperature

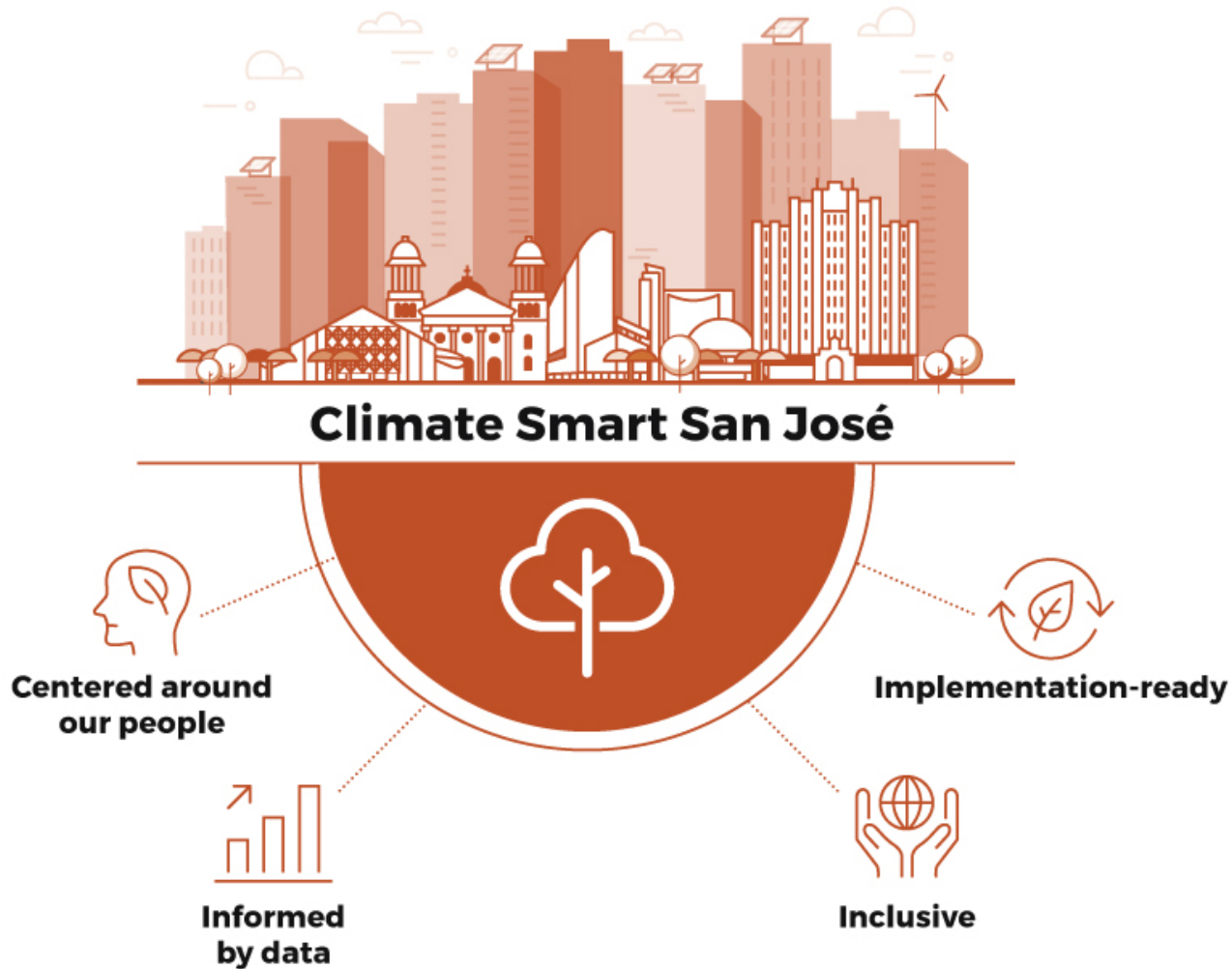


# San José 2017 GHG Emissions Profile



# Key Framing for Climate Smart San José

A People-Centered Plan for a Low-Carbon City



# Climate Smart San José

## Nine Strategies & Three Pillars

PILLARS of what residents want

### Pillar 1

A Sustainable & Climate Smart City

### Pillar 2

A Vibrant City of Connected & Focused Growth

### Pillar 3

An Economically Inclusive City of Opportunity

Climate and water STRATEGIES

1.1

Transition to a renewable energy future

2.1

Densify our city to accommodate our future neighbors

2.3

Create clean, personalized mobility choices

3.1

Create local jobs in our city to reduce vehicle miles traveled

3.3

Make commercial goods movement clean and efficient

1.2

Embrace our Californian climate

2.2

Make homes efficient and affordable for our families

2.4

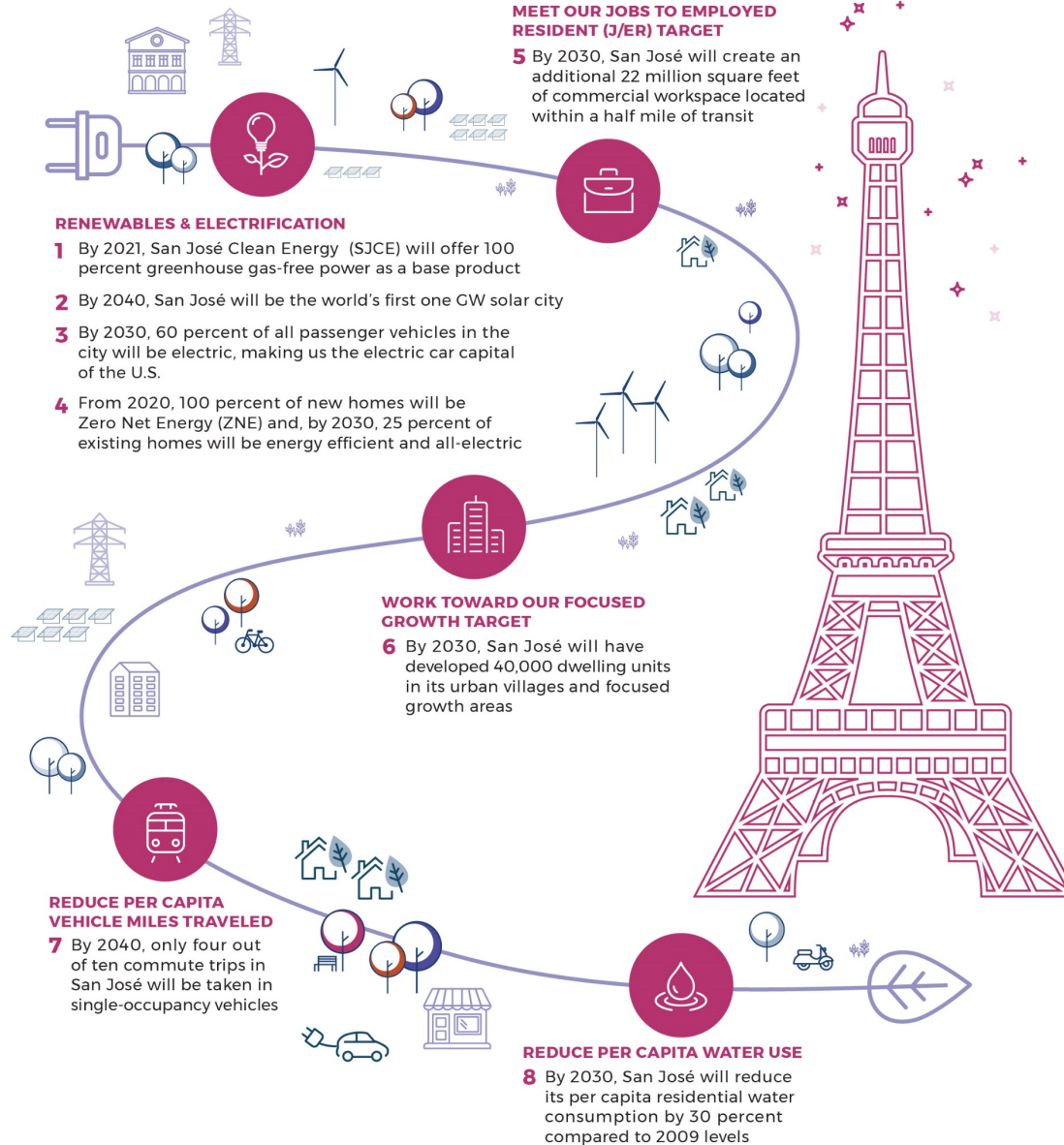
Develop integrated, accessible public transport infrastructure

3.2

Improve our commercial building stock



## One of the First Paris-Aligned Pathways of Any U.S. City



# American Cities Climate Challenge

The **Climate Challenge** is a Bloomberg Philanthropies initiative that aims to **accelerate and deepen** U.S. cities' efforts to create the **greatest climate impact through 2020** and showcase the benefits – **good jobs, cleaner air, and cost savings** – that climate solutions bring.



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Reduce Building  
Energy Use

Increase  
Renewable Energy

Reduce Vehicle  
Travel

Electrify  
Vehicles

Cities Reach Paris Climate  
Goals

San José is one of 25 US cities selected for its vision and leadership on climate action...

## THE 25 CLIMATE CHALLENGE CITIES



# ...and has made ambitious commitments to reduce its carbon emissions from buildings, transportation, and energy projects



Energy reduction programs and policies for commercial buildings



Roadmap for building decarbonization through demonstrations and programs



Decarbonization through codes: electric vehicles, solar readiness and reach code



High priority segments in the walking and bicycling network



Parking management and pricing



Encourage new mobility options



Increase EV adoption through education, incentives, and ensuring infrastructure is on-pace to meet demand

The Climate Challenge will support these goals through national expert organizations and many opportunities for peer learning



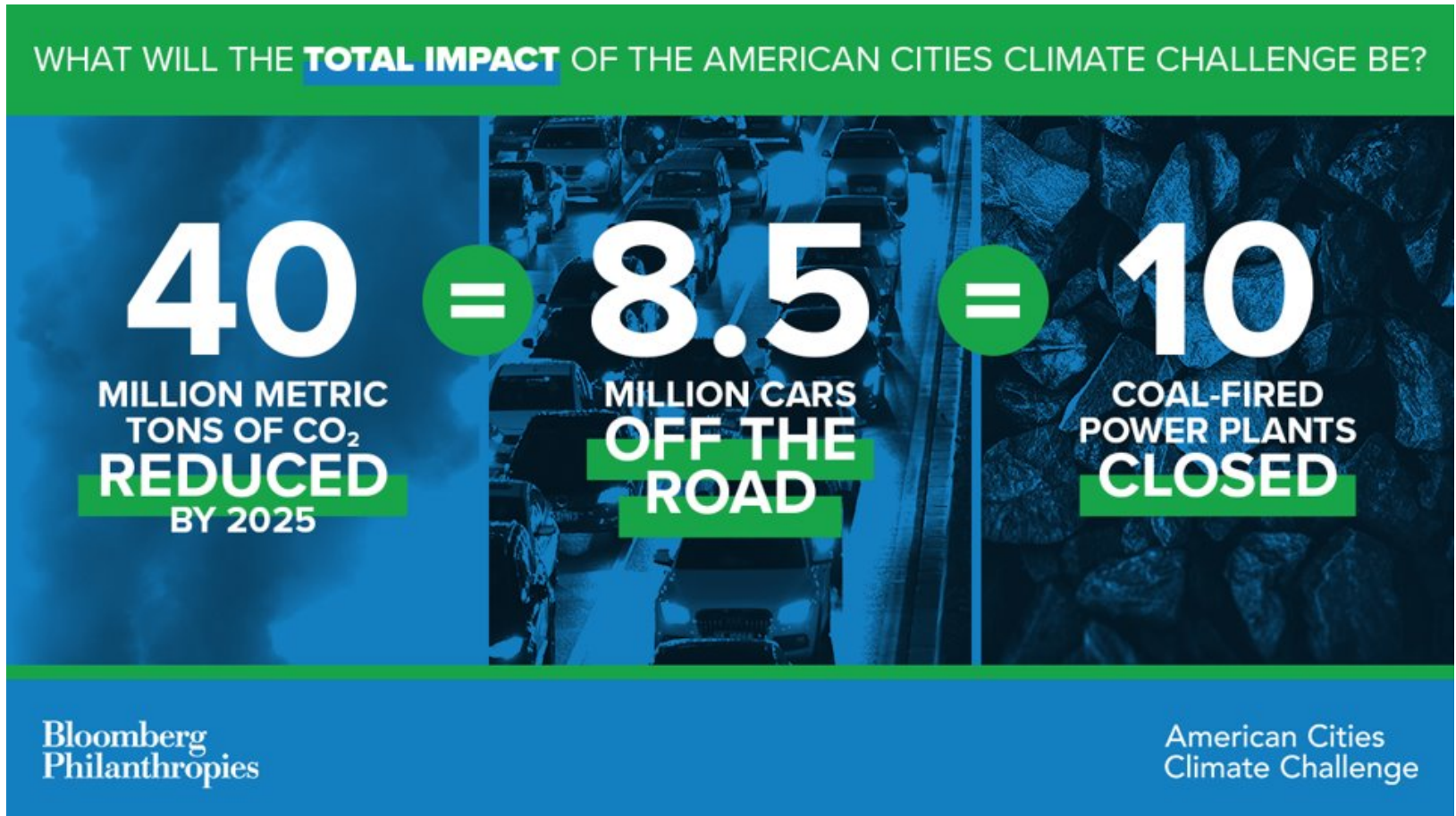
- Funded Climate Advisor
- Local community grant funding
- Policy and implementation support
- Climate Challenge convenings
- Cohort webinars & resources



BUILDING ELECTRIFICATION INITIATIVE



San José's ambitious effort to implement solutions are part of the national effort



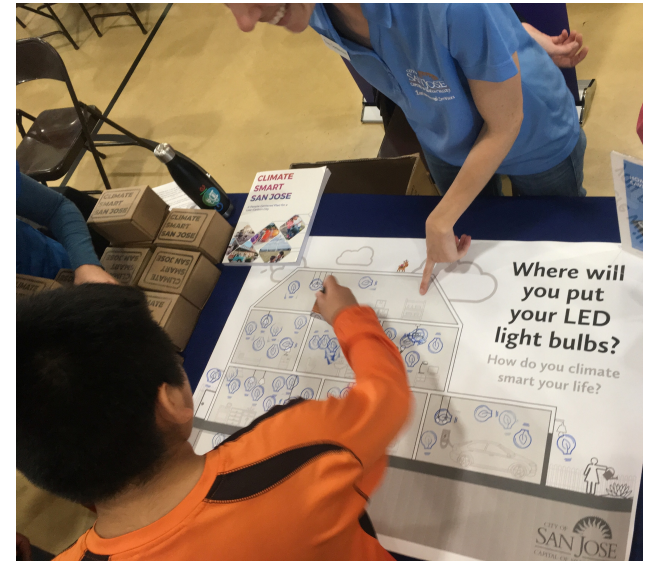
# Community Engagement

# Community Engagement Strategy

## Pillar 1: A Sustainable & Climate Smart City

### Community Outreach Activities

- Eight community events reaching 700+ residents
  - Five more events planned
- LED giveaway – 1,000 bulbs distributed
- Trilingual social media campaigns





# Community Engagement Strategy

## Pillar 1: A Sustainable & Climate Smart City

### Policy/Programs Highlights

- **Climate Smart Community Engagement Plan**
  - Meetings with:
    - Councilmembers' staff (completed)
    - Council District's community leadership council (planned)
  - Gather input on key issues, concerns, and resources
  - Finalize plan in Spring 2020
- **Other Key Engagement Activities**
  - Hosting a Bay Area Electrification Expo - Oct. 12
  - Staffing SJCE and Climate Smart booths at community events
  - Conducting a Climate Smart Youth Leaders pilot
  - Evaluating a Climate Smart grant program
  - Setting up a Climate Leaders web platform
  - Planned residential engagement with Mothers Out Front



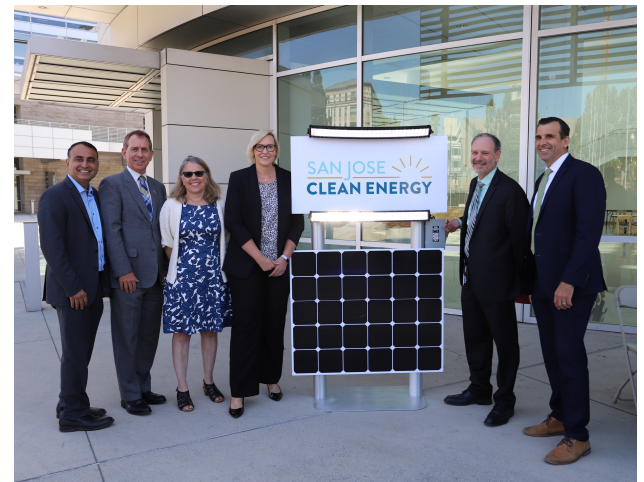
# Workplan Updates

# Workplan Update

## Pillar 1: A Sustainable & Climate Smart City

### Policy/Programs Highlights

- **San José Clean Energy**
  - Less than 2% opt out
  - 1,000 TotalGreen Customers
  - On track to transition GreenSource to 100 percent carbon neutral by 2021



# Workplan Update

## Pillar 1: A Sustainable & Climate Smart City (cont'd)

### Policy/Programs Highlights

- SolSmart Certification
- 1 GW Solar City
  - Promote existing programs
  - Customer education
  - SJCE programs
- Solar at Municipal Facilities
- Natural and Working Lands Analysis



# Workplan Update

## Pillar 2: A Vibrant City of Connected & Focused Growth

### Policy/Programs Highlights

- Transportation Access and Mobility Plan
- Shared Micro-Mobility Ordinance
- Increasing High Density Housing
- Parking Management and Pricing
- USDN Equity Leaders Program
- Residential Energy Upgrades
- Electric Mobility Roadmap
- EV Charge Points



# Workplan Update

## Pillar 2: A Vibrant City of Connected & Focused Growth (cont'd)

### Policy/Programs Highlights

- Zero Net Carbon Demonstration Project
- Zero Net Carbon Video
- Induction Cooktop Checkout Program
- Heat Pump Water Heater Rebate Program
- Energy Trainings



# Workplan Update

## Pillar 3: An Economically Inclusive City of Opportunity

### Policy/Programs Highlights

- Building Performance Ordinance
- Better Buildings Challenge






# Workplan Update

## Pillar 3: An Economically Inclusive City of Opportunity (cont'd)

### Policy/Programs Highlights

- Reach Code Ordinance

		Reach Code Compliance Pathways*		
Occupancy Type		All-Electric (Draft/Proposed)	Mixed Fuel (Draft)	Mixed Fuel (Proposed)
Single-family & Low-rise Multi-family		<b>Efficiency:</b> To code <b>EVCI:</b> Same as mixed fuel	<b>Efficiency:</b> Energy Design Rating (EDR) $\leq 10$ <b>EVCI:</b> Same as mixed fuel	<b>Efficiency:</b> EDR $\leq 10$ , <b>electrification-ready</b> <b>EVCI:</b> Same as mixed fuel
High-rise Multi-family & Hotel		<b>Efficiency**:</b> To code <b>EVCI:</b> Same as mixed fuel	<b>Efficiency**:</b> 7% <b>EVCI:</b> 0% EVSE, 50% EV Ready, 50% EV Capable	<b>Efficiency**:</b> 5%; <b>electrification-ready</b> <b>EVCI:</b> 10% EVSE; 0% EV Ready, 50% EV Capable
Non-residential		<b>Efficiency**:</b> To code <b>EVCI:</b> Same as mixed fuel	<b>Efficiency**:</b> Office 14%, Retail: 15%, All other occupancies: 7% <b>EVCI:</b> 10% EVSE, 40% EV Capable	<b>Efficiency**:</b> Office & Retail: 10%, <b>electrification-ready</b> ; Industrial/Warehouse: 0%; All other occupancies: 5%; <b>electrification-ready</b> <b>EVCI:</b> 10% EVSE, 40% EV Capable

\*Solar-readiness required for all buildings.

\*\* Efficiency for non-residential occupancies refers to an energy performance requirement or "compliance margin" (%) above the 2019 Building Energy Code.

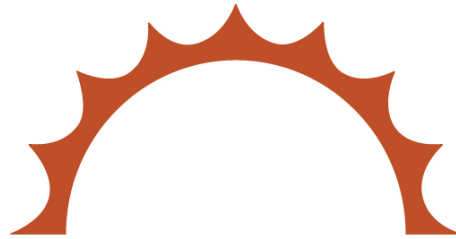


# Workplan Update

## Resources and Performance Tracking

- Staffing
- Funding
- Council Memo Section
- Dashboard





# CLIMATE SMART

— SAN JOSE —

LIVING BETTER TODAY FOR TOMORROW

[www.ClimateSmartSJ.org](http://www.ClimateSmartSJ.org)