

# Climate Smart San José Update

Transportation and Environment Committee  
October 7, 2019

Presented by:

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# CLIMATE SMART SAN JOSE

A People-Centered Plan for a  
Low-Carbon City

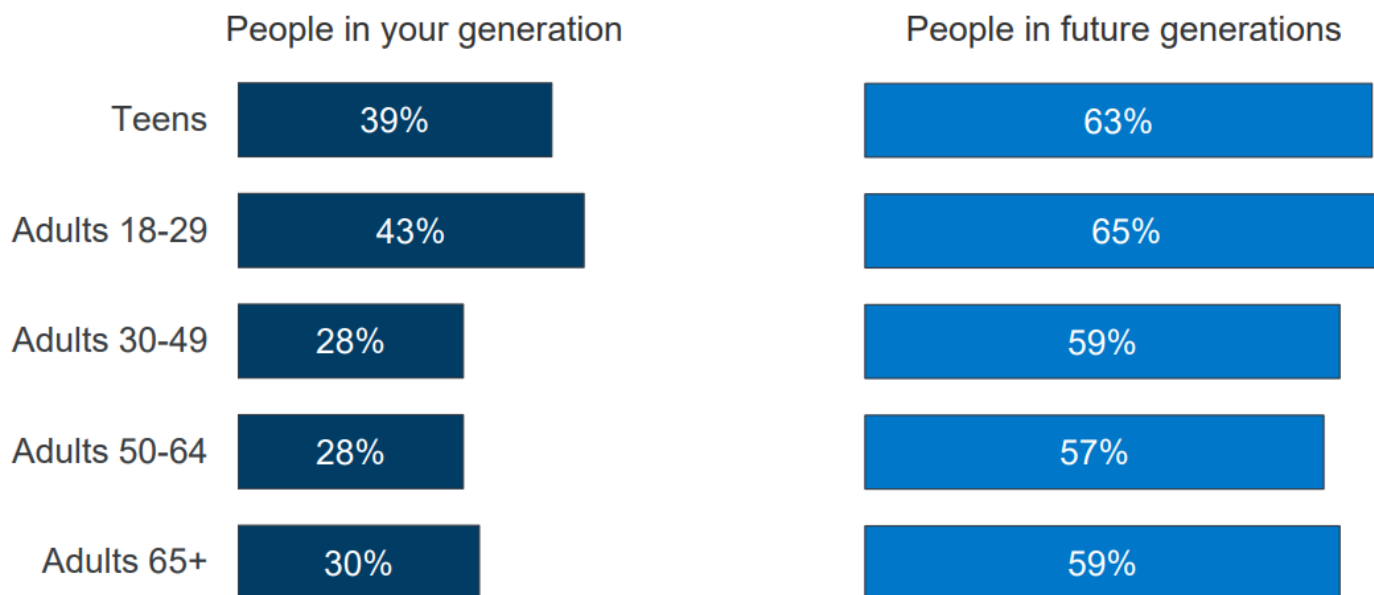


- Background
- Community Engagement
- Workplan Updates

# Climate Change Concerns

Teens, Young Adults More Likely To Expect Their Generation To Be Harmed, But All Ages Perceive More Harm To Future Generations

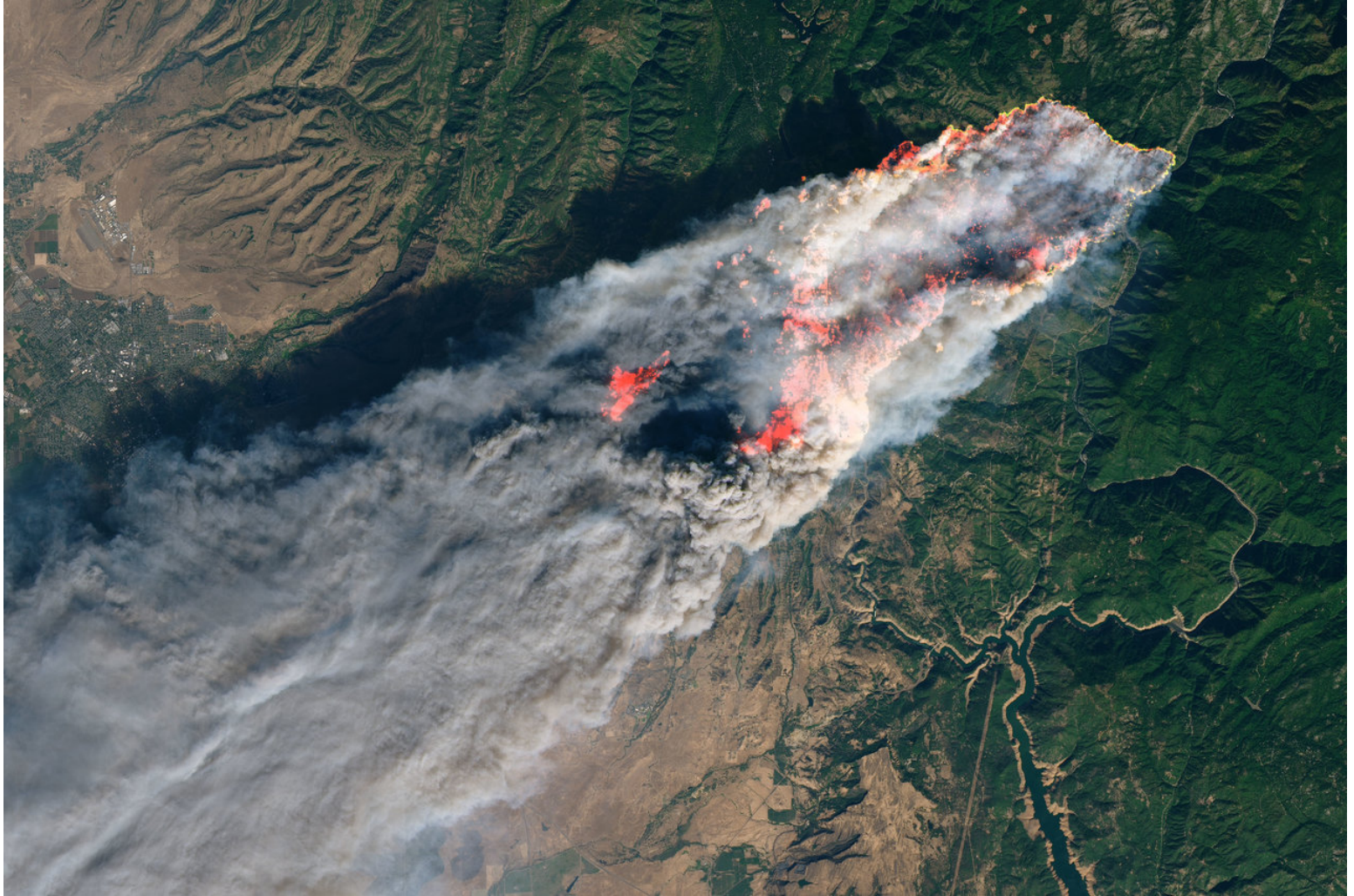
Percent who say climate change will hurt the people in these groups **a great deal**:



SOURCE: KFF/Washington Post Climate Change Survey (conducted Jul. 9-Aug. 5, 2019). See topline for full question wording and response options.



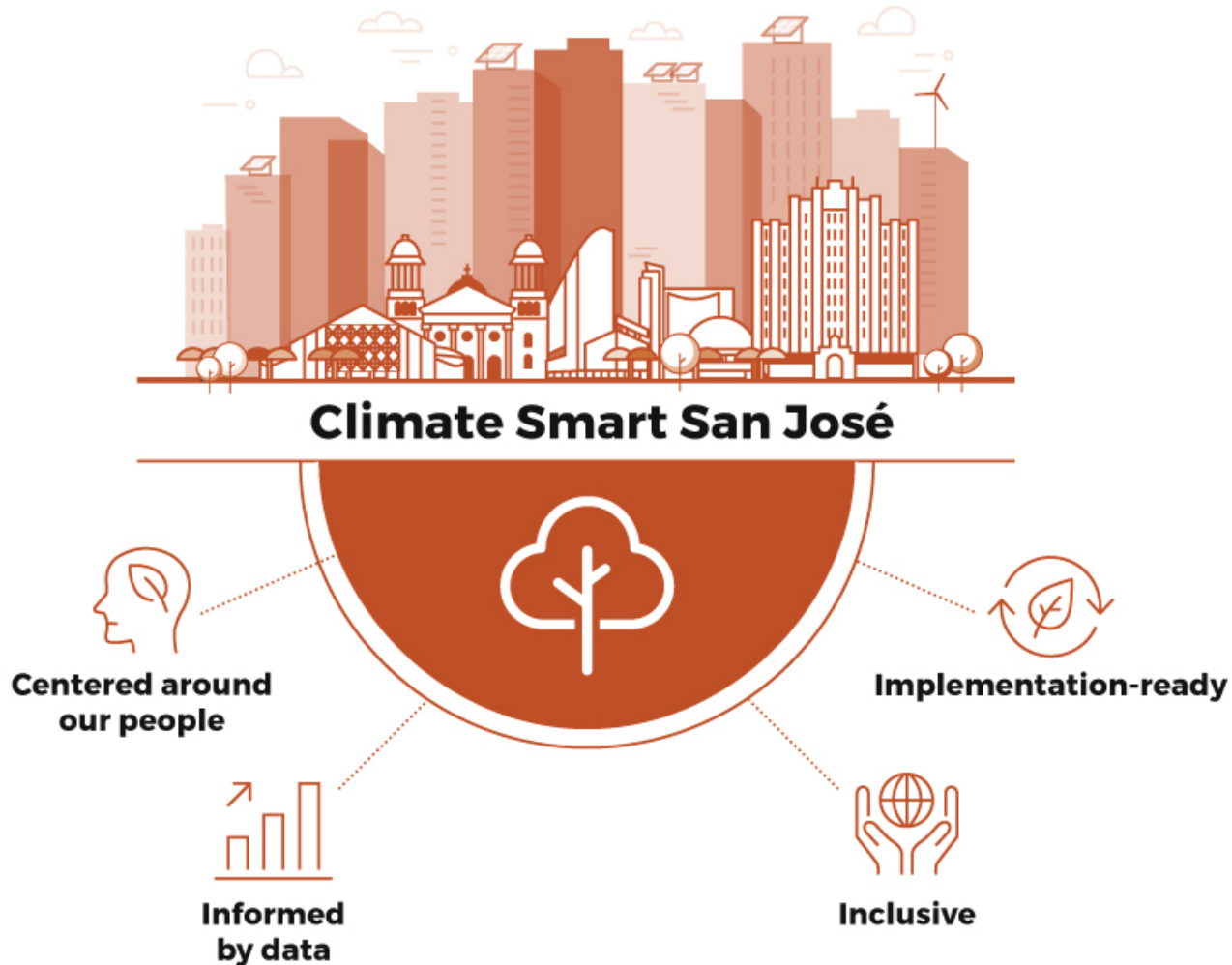
# Our Urgency: Warmer, Drier Trend Continues





# 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

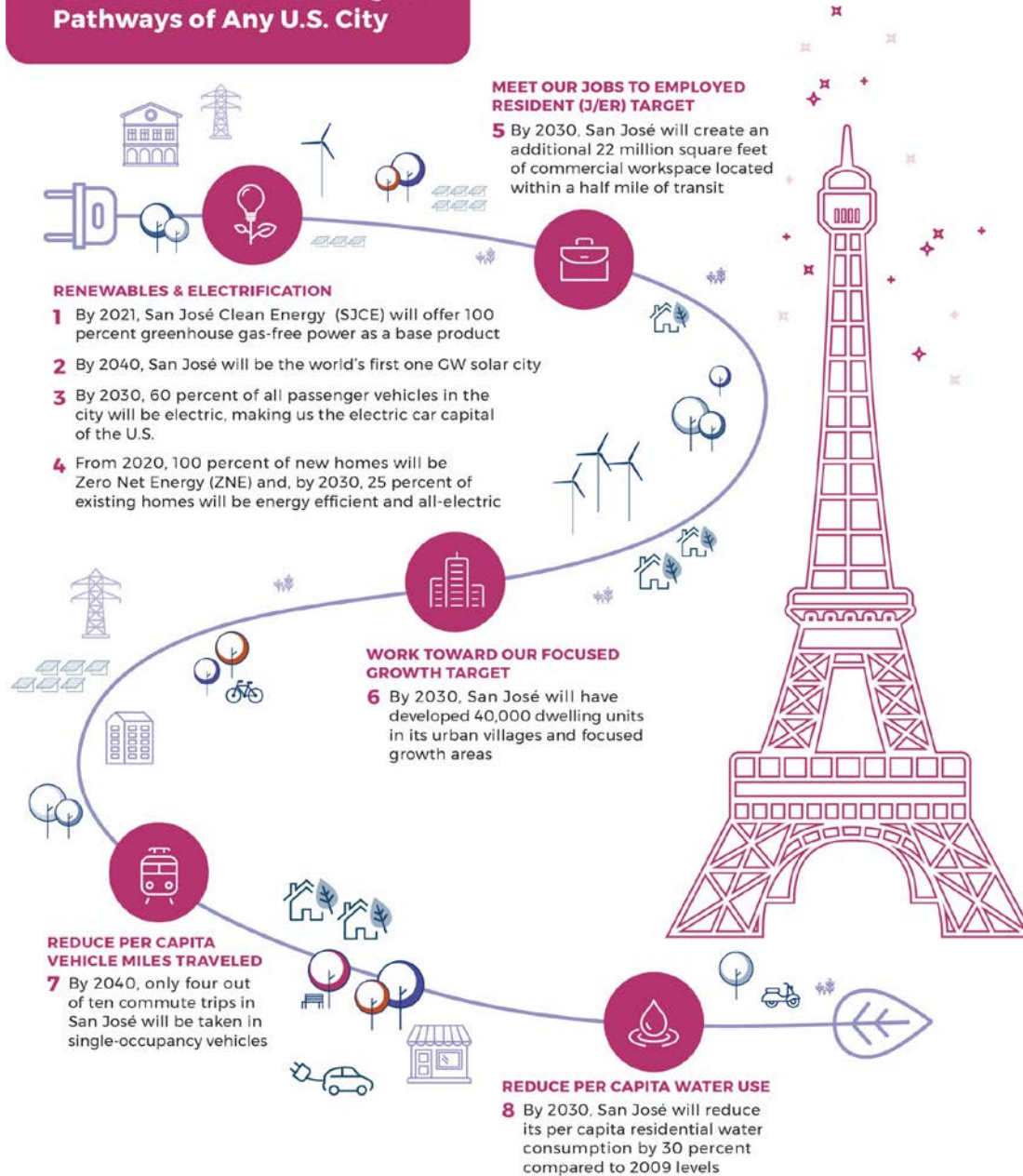
2.4

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.



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

# Community Engagement

# Community Engagement

## Policy/Programs Highlights

- **Climate Smart Community Engagement Plan**
  - Meetings with:
    - Councilmembers' staff (completed)
    - Council District's community leadership council (underway)
  - Gathering input on key issues, concerns, and focused resources
  - Finalize plan in Spring 2020
  - Planning Pathways to Climate Smart Careers Fair – Mar. 7, 2020 focusing on high schools
- **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, area cultural and community service organizations
  - Climate Smart Dashboard



# Community Engagement

## Community Outreach Activities

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





# 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



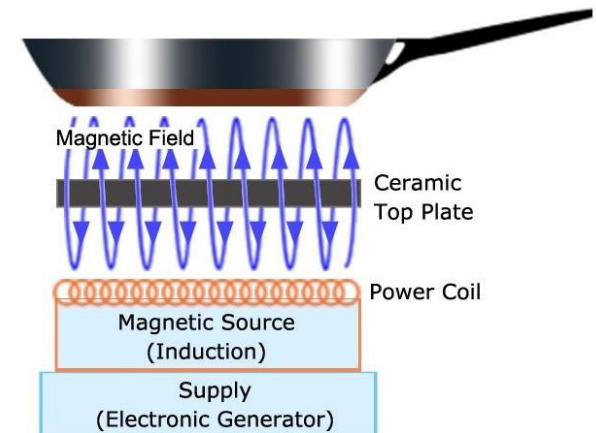
# Workplan Update

## 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

[www.sanjoseca.gov/climatesmartsanjose](http://www.sanjoseca.gov/climatesmartsanjose)



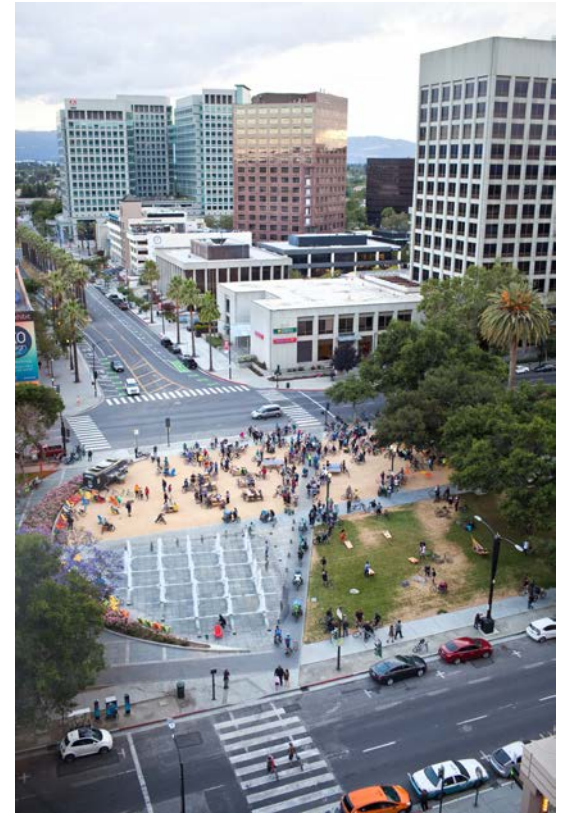


# Workplan Update

## Pillar 3: An Economically Inclusive City of Opportunity

### Policy/Programs Highlights

- Building Performance Ordinance
- Commercial Climate Leaders Challenge






# Workplan Update

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

### Policy/Programs Highlights

- Adopted Reach Code Ordinance
- Direction to return with targeted Gas Ban Ordinance in October 2019

		Reach Code Compliance Pathways*	
Occupancy Type		All-Electric (Adopted)	Mixed Fuel (Adopted)
Single-family & Low-rise Multi-family		<b>Efficiency:</b> To code <b>EVCI:</b> Same as mixed fuel	<b>Efficiency:</b> EDR = min. 10 point reduction, electrification-ready <b>EVCI:</b> Single-family: 1 EV Ready; Low-rise Multi-family: 10% EVSE, 20% EV Ready, 70% EV Capable
High-rise Multi-family & Hotel/Motel		<b>Efficiency**:</b> To code <b>EVCI:</b> Same as mixed fuel	<b>Efficiency**:</b> 6%, electrification-ready <b>EVCI:</b> 10% EVSE; 20% EV Ready, 70% EV Capable
Non-residential		<b>Efficiency**:</b> To code <b>EVCI:</b> Same as mixed fuel	<b>Efficiency**:</b> Office & Retail: 14%, Industrial/Manufacturing: 0%; All other occupancies: 7%; all electrification-ready <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 a compliance margin (%) above the 2019 Building Energy Code.

# California's Growing Economy

CALIFORNIA'S ECONOMY IS GROWING DESPITE REDUCTIONS IN GHG EMISSIONS



SOURCES: California Air Resources Board (emissions) and US Bureau of Economic Analysis (GDP).

NOTES: Gross domestic product (GDP) is expressed in 2016 dollars. GHG emissions are in millions of metric tons of CO<sub>2</sub> equivalent (CO<sub>2</sub>e), a measure used to compare the relative contribution to global warming of various greenhouse gases. The CO<sub>2</sub>e of CO<sub>2</sub> is 1, while the CO<sub>2</sub>e of methane is 25.



# Workplan Update: Dashboard Preview

csgj@sanjoseca.gov



Our Nine Strategies | Bold Campaigns | Our Progress ▾ | What You Can Do | 🔍



<https://data.prospectsv.org/>



# Workplan Update: Dashboard Preview



[Our Nine Strategies](#) [Bold Campaigns](#) [Our Progress](#) [What You Can Do](#) [Q](#)

Energy Topics

Local Renewables

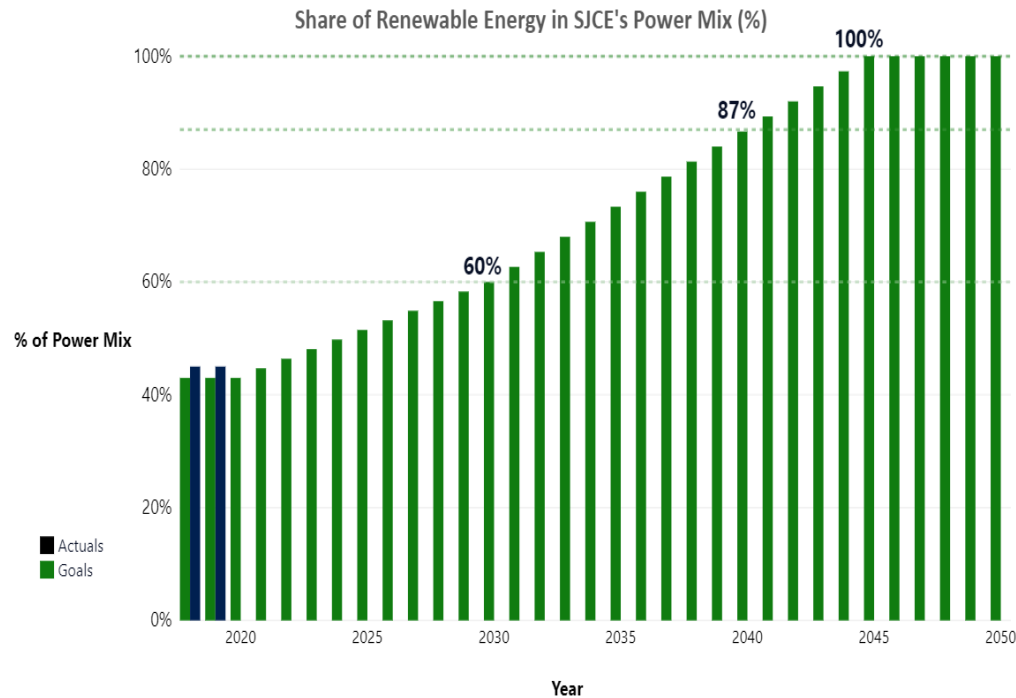
Renewable Energy



How You Can Make A Difference

- [Resident Playbook on Energy](#)
- [Developer Playbook for Zero Net Energy Residential](#)
- [Building Owner Playbook for Retrofits](#)
- [Civic & Regional Agency Playbook](#)
- [Business Playbook](#)
- [Business Employee Engagement Playbook](#)

## Energy: Renewable Energy





# Climate Smart Progress!

- Urgency is the order of the day!
- Building Policies in place
- Municipal GHG Inventory underway
- Community Engagement Plan ramping up
- Electric Mobility Roadmap on the way



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

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