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**

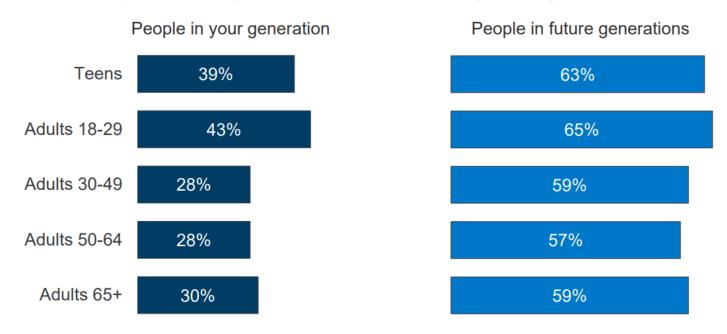


- Background
- Community Engagement
- Workplan Updates

Climate Change Concerns

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

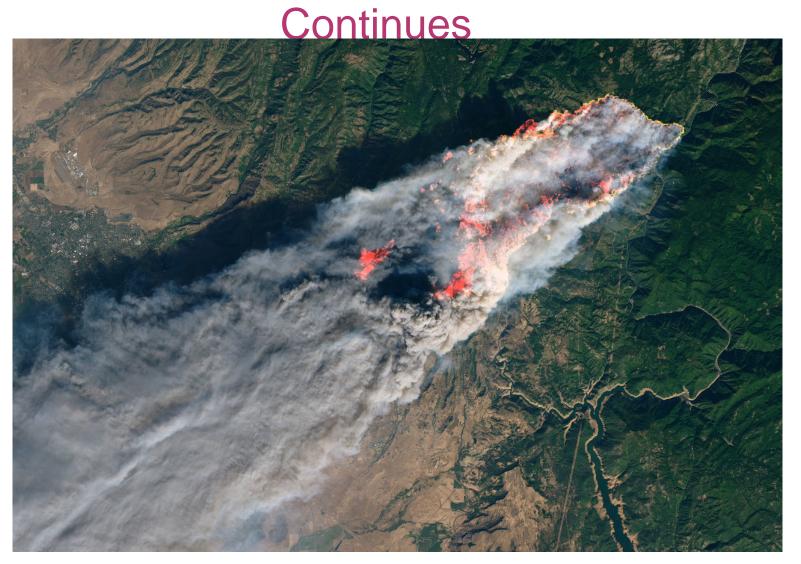
Percent who say climate change will hurt the people in these groups a great deal:



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

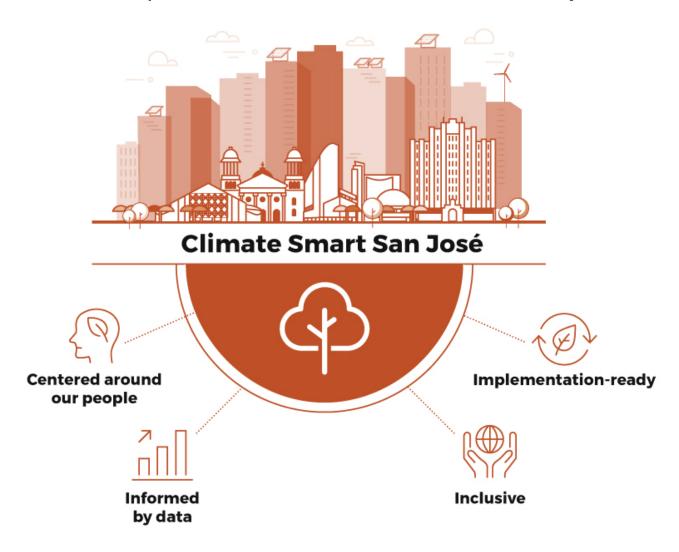


Our Urgency: Warmer, Drier Trend



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

Trans ren

Climate and water STRATEGIES 11

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

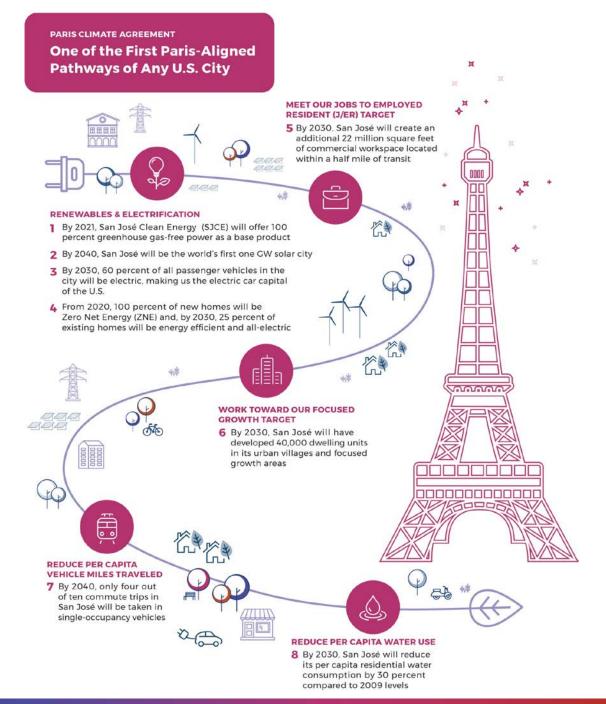
1.2

Embrace our Californian climate 2.2

Make homes efficient and affordable for our families 2.4

Develop integrated, accessible public transport infrastructure 3.2

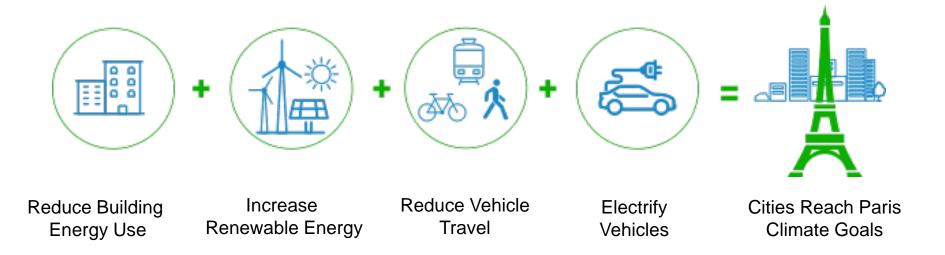
Improve our commercial building stock



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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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



High priority segments in the walking and bicycling network



Roadmap for building decarbonization through demonstrations and programs



Parking management and pricing



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



Encourage new mobility options



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

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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



Pillar 1: A Sustainable & Climate Smart City

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



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

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



Pillar 2: A Vibrant City of Connected & Focused Growth

- 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



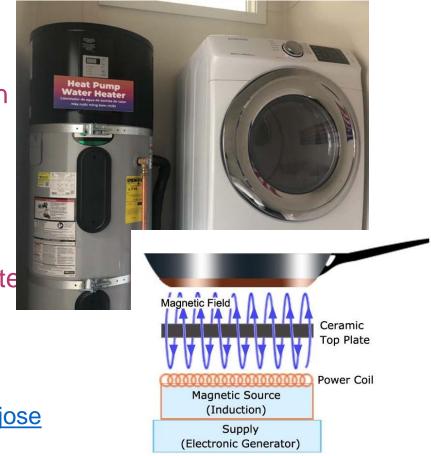
Pillar 2: A Vibrant City of Connected & Focused

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



Pillar 3: An Economically Inclusive City of Opportunity

- Building Performance
 Ordinance
- Commercial Climate Leaders Challenge



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

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

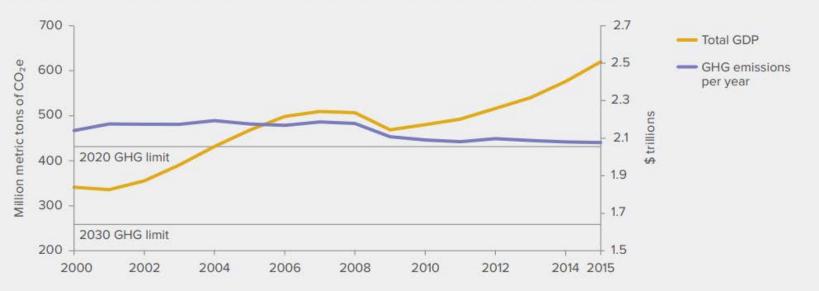
	Reach Code Compliance Pathways*	
Occupancy Type	All-Electric (Adopted)	Mixed Fuel (Adopted)
Single-family & Low-rise Multi-family	Efficiency: To code EVCI: Same as mixed fuel	Efficiency: EDR = min. 10 point reduction, electrification-ready EVCI: Single-family: 1 EV Ready; Low-rise Multifamily: 10% EVSE, 20% EV Ready, 70% EV Capable
High-rise Multi-family & Hotel/Motel	Efficiency**: To code EVCI: Same as mixed fuel	Efficiency**: 6%, electrification-ready EVCI: 10% EVSE; 20% EV Ready, 70% EV Capable
Non-residential	Efficiency**: To code EVCI: Same as mixed fuel	Efficiency**: Office & Retail: 14%, Industrial/ Manufacturing: 0%; All other occupancies: 7%; all electrification-ready EVCI: 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_2 equivalent (CO_2 e), a measure used to compare the relative contribution to global warming of various greenhouse gases. The CO_2 e of CO_3 is 1, while the CO_3 e of methane is 25.

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Workplan Update: Dashboard Preview





https://data.prospectsv.or

Workplan Update: Dashboard Preview



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