

Climate Smart San José Plan Semi-Annual Update

Transportation & Environment Committee
May 3, 2021

Presented by Kerrie Romanow, Director – Environmental Services Department (ESD)
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CLIMATE SMART SAN JOSE

A People-Centered Plan for a
Low-Carbon City



- Background
- Updates
- Community Engagement
- Programs and Policies
- Resources and Performance Tracking

Background



www.ClimateSmartSJ.org

Climate Smart San José

Nine Strategies & Three Pillars

PILLARS of what residents want

Pillar 1

A Sustainable & Climate Smart City

1.1

Transition to a renewable energy future

1.2

Embrace our Californian climate

Pillar 2

A Vibrant City of Connected & Focused Growth

2.1

Densify our city to accommodate our future neighbors

2.2

Make homes efficient and affordable for our families

2.3

Create clean, personalized mobility choices

2.4

Develop integrated, accessible public transport infrastructure

Pillar 3

An Economically Inclusive City of Opportunity

3.1

Create local jobs in our city to reduce vehicle miles traveled

3.2

Improve our commercial building stock

3.3

Make commercial goods movement clean and efficient

Climate and water STRATEGIES

Community Engagement



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Events and Outreach



Community-based Organization (CBO) Partners



City Team



**Technical
Partner**

CBO COCREATION MEETINGS

*Create community
engagement plans*



"SWITCH IS ON" CAMPAIGN

*Educating residents about home
electrification, cost savings,
and rebates*

Programs and Policies

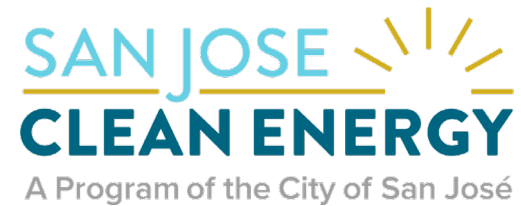


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Programs and Policies - Climate Smart Pillar 1: *A Sustainable & Climate Smart City*

Highlights

- San José Clean Energy
 - Energy efficiency funding
 - Community solar funding for Disadvantaged Communities
- Municipal Facilities – Measure T
 - LED streetlights planned for completion by 2022
 - LED park and trail lighting by 2024



Programs and Policies - Climate Smart Pillar 2: *A Vibrant City of Connected & Focused Growth*

Highlights

- Updated Natural Gas Infrastructure Prohibition
- Parking & Transportation Demand Management Policy
- Transportation Plans (e.g., ESJ's *En Movimiento*)
- Access & Mobility Plan
- Electric Vehicle Charging Network
- DriveForward EV Financial Assistance
- One-Way Vehicle Sharing
- Ride-Hailing Electrification
- CALeVIP



Updated Natural Gas Infrastructure Prohibition

- City Council Approved in December 2020
- Extends existing prohibition from low-rise residential to all building types
 - Limited exceptions/ exemptions
- Effective August 1, 2021



Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

Parking & Transportation Demand Management Policy

- Engagement partners and ACCC supported
- Continued community engagement via online forums:
 - October 2020
 - February 2021
- Developing model ordinance
- Anticipated Council Study Session in August 2021











Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

Transportation Access & Mobility Plan

Access and Mobility Plan Goals

Goal		Description
Less Driving		Have more travel choices so trips can be made without driving
Access for All		Increase transportation education, affordability, options and use of driving alternatives, especially in historically underserved communities
Enjoyable Transportation		Make getting around pleasant, easy, reliable and appealing
Transportation Safety		Maintain and make improvements to the bike, walk, and transit system to support Vision Zero, prioritizing the personal security of the most vulnerable populations first
Clean the Air		Reduce pollution from cars and trucks
20-Minute Neighborhoods		Create great places so it is easy to run errands and get to schools and parks without a car
Connected Neighborhoods		Make it easy to get between neighborhoods and to major destinations by foot, bike, bus, rail, and other shared options
Moving the Economy		Provide access to diverse jobs by sustainable modes, support goods to market, and support job growth in San Jose.
Plan for the Future		Use the newest ideas to keep the transportation system modern, fair, and effective



Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

Electric Vehicle Charging Network

- City Council approved EVCN agreements in Dec. 2020
- 122 EV charging ports installed at four City facilities:
 - Happy Hollow Park and Zoo (40)
 - Police E-Lot employee parking lot (42)
 - Mabury Service Yard (20)
 - South Service Yard (20)
- Secure state GHG credits for City's existing chargers to generate funds for EV efforts

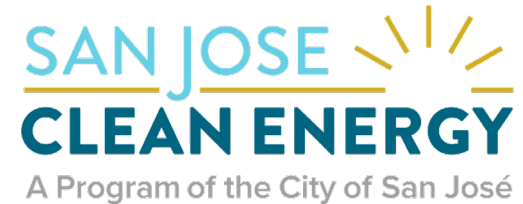


Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

Drive Forward EV Financial Assistance Program

- Partnership with Peninsula Family Service (PFS)
- Covered:
 - EV rebate and incentives, affordable EV vehicle loans, EV owner tips
 - PFSs' financial empowerment programs/ resources
- Hosted two additional workshops in reporting period:
 - September 2020 (Spanish)
 - October 2020 (Vietnamese and English)
- Free 1:1 financial counseling by phone or Zoom



Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

One-way Vehicle Sharing

- Community sessions with 13 neighborhood/ advocacy groups
- Covered draft vehicle terms and conditions:
 - Address shared vehicles parking in residential permit zones
 - Includes potential fee structure that incentivizes EVs
 - Requires discounts to low-income people
- Anticipate bringing ordinance to Council in early May 2021



Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

Ride-sharing Electrification

- Supported by FORTH (ACCC)
- Encourage more ride-hailing drivers to switch to EVs
- Convened 2nd Transportation Network Company (TNC) Electrification Working Group Meeting in November 2020
 - Identify specific areas where participating organizations could collaborate to advance TNC electrification
- TNC EV ambassador program
 - TNC drivers share positive EV experience



Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

California Electric Vehicle Infrastructure Project

- \$14M in CalEVIP funding for Level 2 and DC fast charger installations
- Launched December 16, 2020
- Funds reserved within hours of launch
 - At least 25% allocation to low-income communities and DACs
- Center for Sustainable Energy (administrator) is reviewing applications



Climate Smart Pillar 2:

A Vibrant City of Connected & Focused Growth

Programs and Policies - Climate Smart Pillar 3: *An Economically Inclusive City of Opportunity*

Highlights

- Building Performance Leaders Pilot
- Electrify San José - Heat Pump Water Heater Program



Building Performance Leaders Pilot



- Voluntary benchmarking and building efficiency program running Nov. 2019 – Dec. 2020
- Six participating organizations
 - 23 buildings
 - 3 million square feet
- Completed energy efficiency projects including lighting, boiler replacement, HVAC upgrades
- Utilized Climate Smart Challenge Platform as part of employee engagement campaigns
- Together achieved 24% reduction in GHG emissions

Climate Smart Pillar 3:
An Economically Inclusive City of Opportunity

Electrify San José

Heat Pump Water Heater Rebate Program

- \$274,500 available in rebates
 - Can cover panel upgrades
- Up to \$6,000 rebate per project
 - Distributed \$228,000
 - 63 projects completed (11 pending with waitlist)
- Projects to be completed by June 30, 2021



Resources and Performance Tracking



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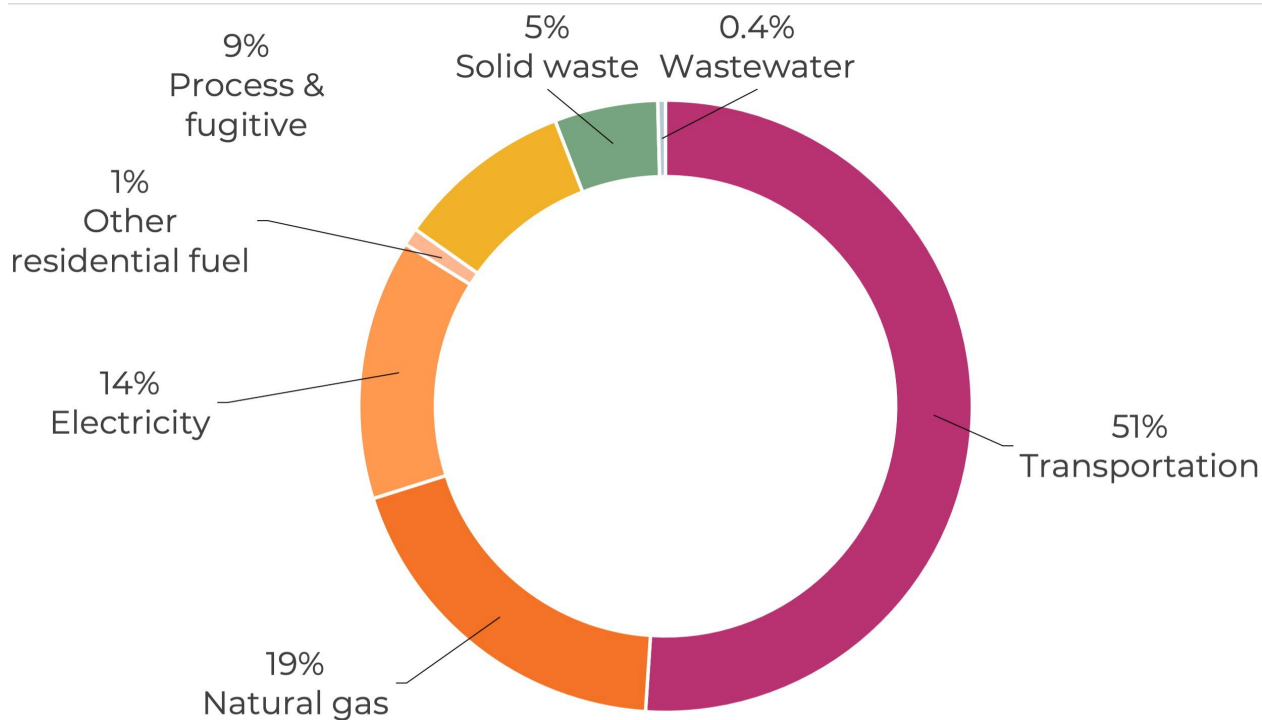
Climate Smart Resources

- Supported by 3 Climate Action Fellows (Jan. – Aug. 2021)
 - Working on strengthening Climate Smart community engagement and data management
 - Applied for two fellows in next funding cycle (Sept. 2021 – Aug. 2022)
- ACCC Climate Advisor position concluding in June 2021
- Seeking FY 21-22 funding to continue 1 supporting staff each in ESD, PBCE, and DOT
- Continuing to leverage external resources and track and pursue applicable grants

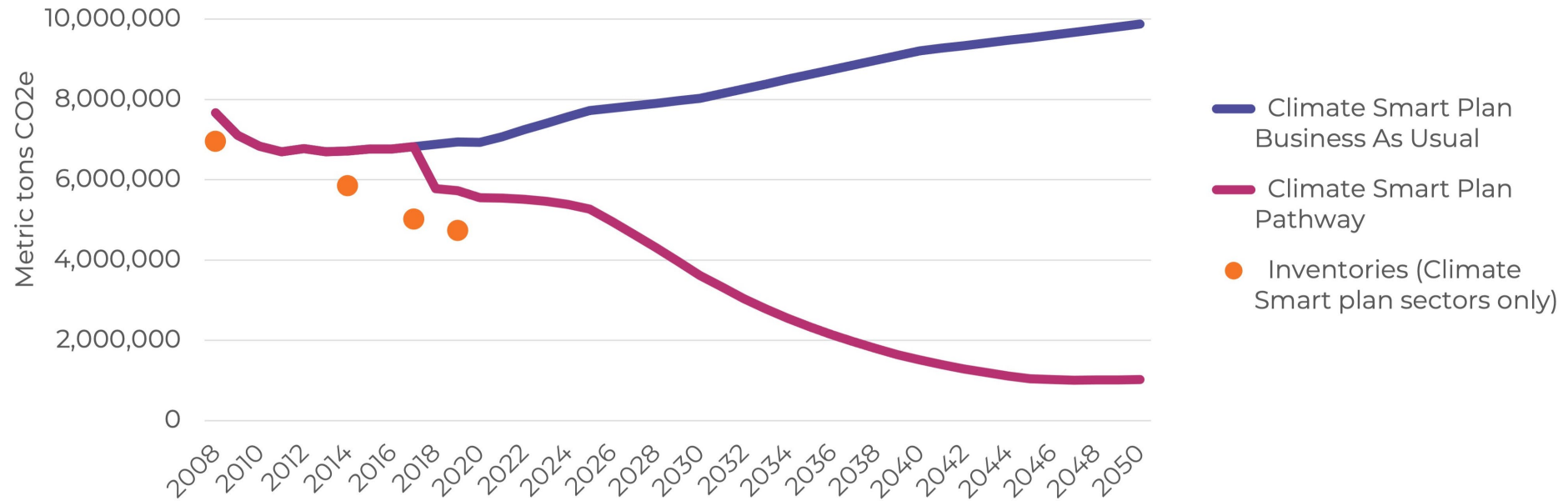


2019 Community-wide GHG Inventory

- 5% overall GHG reduction from 2017
- Transportation remains largest contributor (51%)
- Building energy second (34%)
 - Increase in natural gas usage/emissions



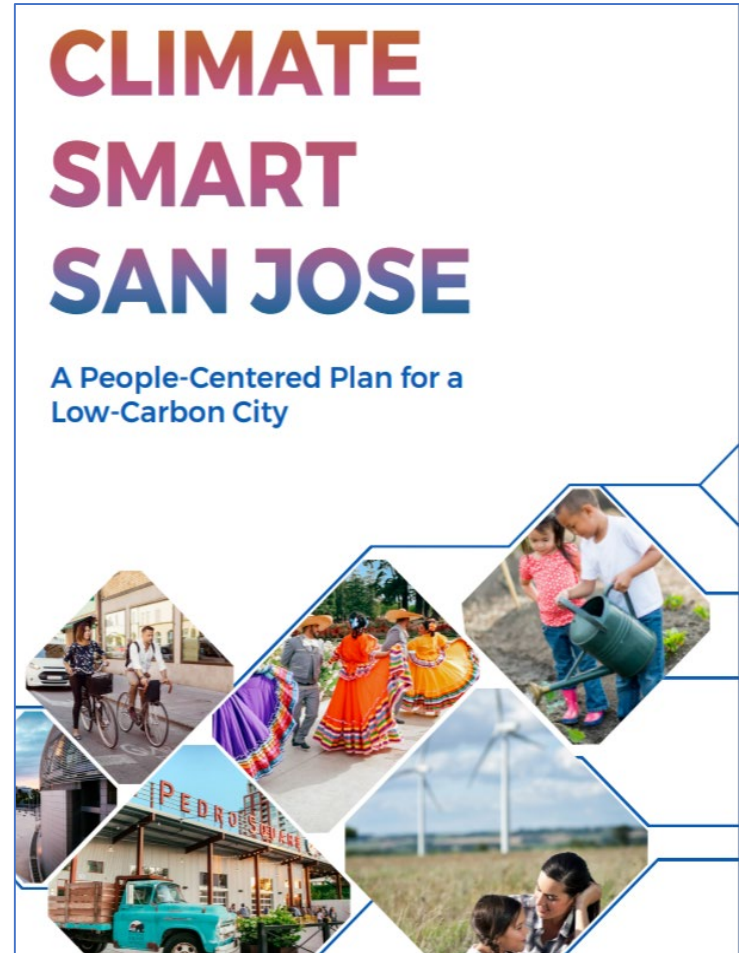
2019 Community-wide GHG Inventory (cont'd)



General progress aligned with Climate Smart goals but pace needs to increase.

New Climate Smart Elements

- New elements to be integrated
 - Include cost and equity analysis
- Natural and Working Lands Element
 - Completed methodology and draft technical report
 - Estimated completion in Winter 2021, pending FY 21-22 budget approval
- Zero Waste Element
 - Estimated completion in Summer 2021





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