

Attachment

Current Climate Smart Initiatives¹

Updated: 3/8/23

Ref. No.	Climate Smart/ Pathway to Carbon Neutrality by 2030 Focus Area	Project Title	Project Description	Est. City Council Date for Consideration of Approval	Lead Department
1	Reduce the Miles We Travel in Our Vehicles by at least 20 Percent	Parking and Transportation Demand Management Policy Implementation	This policy removes parking minimum requirements citywide and implements transportation demand management requirements to expand transportation options in and near new developments. Final Ordinance approved on 12/6/2022, will go into effect on 4/10/23. Currently training staff and updating City processes to accommodate new policy.	N/A	Planning, Building, and Code Enforcement (PBCE)
2	Move to Zero-Emission Vehicles	California Electric Vehicle Infrastructure Project	The California Electric Vehicle Infrastructure Project (CALeVIP) is a \$14 million rebate program for Level 2 and Direct Current Fast Charging infrastructure co-funded by San Jose Clean Energy (SJCE) and the California Energy Commission. CALeVIP launched in December 2020. The Center for Sustainable Energy, which is administering the program, continued to review the applications and issue incentives. As of December 2022, 96 Level 2 and 11 Direct Current Fast	N/A	Community Energy Department (CED)

¹ City staff provides biannual Climate Smart updates covering initiatives across department to City Council. In addition, DOT provides in-depth transportation updates in December and June each year.

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			Chargers funded by the program are operational. Projects are to be completed through 2025.		
3	Move to Zero-Emission Vehicles	Direct Current Fast Charging Hubs Pilot	In November 2022, City Council approved SJCE to implement a Direct Current Fast Charging Hubs pilot program to increase access to affordable and reliable electric vehicle charging in low-income and disadvantaged communities. SJCE will execute tolling agreement(s) with vendor(s) to establish one to three hubs at City-owned sites. SJCE will control variable retail pricing to encourage midday charging and improve charging affordability. Hubs are expected to become operational in Fiscal Year 2023-2024 or Fiscal Year 2024-2025.	N/A	CED
4	Move to Zero-Emission Vehicles	Delivering Zero Emissions Communities (DZEC) Initiatives	The DZEC grant was awarded to San José in June 2021 to support work towards reducing GHG emissions from urban freight. Work under the grant includes the analysis of commercial freight GHG emissions data, an analysis of strategies the City could use to address urban freight emissions, working with an Equity Task Force, and conducting informational interviews with commercial freight companies. This grant was extended through June 2023.	N/A	Department of Transportation (DOT)
5	Move to Zero-Emission Vehicles	E-carshare Pilot and Expansion of	DOT staff is working with a number of community-based organizations and residents on the eastside to develop a	TBD	DOT

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		Electric Micro-mobility	<p>grant proposal for an e-carsharing program.</p> <p>DOT plans to submit an application to the Clean Mobility Options program for the expansion of Bay Wheels "Bike Share for All" discount program into Mayfair, an undeserved community/Equity Priority Community in East San Jose.</p>		
6	Move to Zero-Emission Vehicles	Electric Vehicle Service Equipment (EVSE) Installations	<p>DOT staff is working with SCJE and other departments to identify priority sites for EV charger installations. Staff is considering applying to the Caltrans Sustainable Transportation Planning Grant to develop an <i>EV Charging Infrastructure Network Plan</i> for the City. Staff is also considering applying to the CALSTART Communities In Charge incentive program to deploy L2 EVSE in priority city-owned facilities. Staff anticipates grant funding may be available in the fall to support further EVSE installations, with subsequent rounds for the next two years. The chargers would serve area residents, City staff and fleet vehicles, and possibly an e-carshare program.</p>	TBD	DOT
7	Move to Zero-Emission Vehicles	Electric Vehicle (EV) Reach Code Update	<p>Return to Council in March 2023 with an update on the reach code for electric vehicle charging requirements at new multi-family properties.</p>	March 28, 2023	Environmental Services Department (ESD)

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8	Switch our Appliances from Fossil Fuel to Electric	Energy Efficiency Programs	SJCE secured \$5.1 million from the California Public Utilities Commission (CPUC) and \$500,000 in federal relief funds to launch two energy efficiency programs, beginning in September 2022 through late 2024. The Home Appliance Savings Program offers 50-70 percent discounts on energy efficient refrigerators, clothes washers, and dryers and free smart thermostats to moderate-income single-family households as well as single-family households located in disadvantaged communities. The Energy Efficient Business Program provides 80-90 percent incentives on energy-efficient upgrades to heating, ventilation, and air conditioning (HVAC), refrigeration, and hot water distribution systems for small and medium commercial buildings, including schools. SJCE is on track to serve more than 1,000 residential customers, 300 businesses, and 9 schools.	N/A	CED
9	Switch our Appliances from Fossil Fuel to Electric	Building Electrification Upgrade Accelerator Program	ESD executed a master agreement with BlocPower LLC and anticipates a launch in Q1 or Q2 2023.	N/A	ESD
10	Switch our Appliances from Fossil Fuel to Electric	Replace on Burnout Ordinance (RBO) Analysis	Conduct analysis on RBO, which could require electric appliance upon replacement/ permitting, and stakeholder engagement.	Incorporating into Building Electrification Special Session in Fall 2023	ESD

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11	Power our Community with 100 Percent Carbon-neutral Electricity	Solar Access (Disadvantaged Communities-Green Tariff Program)	The Solar Access program offers customers with low incomes living in disadvantaged communities a 20 percent bill discount and 100 percent solar energy from a solar facility in Northern California. The program is entirely funded by the CPUC. Staff began enrolling customers in November 2021, and the program became fully subscribed as of June 2022, with more than 800 customers. The program is expected to run for 20 years.	N/A	CED
12	Cross-cutting	Zero Emissions Neighborhood (ZEN) Pilot	Climate Smart developed a ZEN program concept with the support of the Climate Challenge. The ZEN is intended to bring a suite of Climate Smart building, mobility, and water improvements to households in a pilot neighborhood. The Santee neighborhood was selected based on equity data indicators, input from local community-based organizations, and interest from residents. The ZEN pilot design will be co-created with the participating households and with phase one grant-funded urban greening measures expected to be completed by the end of 2023.	N/A	ESD/ Amanda Leonis
13	Cross-cutting	GoGreen Teams	Climate Smart is evaluating lessons learned from Phase I and expects to relaunch Phase II in Q1 2023. For Phase II, staff is planning to partner with CBOs and have Community Climate Solutions launch a school program in at least two	N/A	ESD/ Viri Nguyen-Santoyo

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			schools. Staff is also drafting an implementation plan and a data tracking tool to utilize throughout Phase II; which will take place from February – September 2023.		
14	Cross-cutting	Climate Smart Challenge	Staff continue to promote the City’s Climate Smart Challenge platform, which currently has 913 users. Participants have completed more than 1,000 climate actions that have resulted in over \$45,000 saved, 150 tons of CO ₂ reduced, and 169,000 gallons of water saved.	N/A	ESD/ Viri Nguyen-Santoyo
15	Cross-cutting	Climate Smart San Jose Update	Update Climate Smart to include carbon neutrality goal and new Elements.	TBD	ESD
16	Cross-cutting	Climate Advisory Commission	City Council directed staff to return with recommendations on establishing a Climate Advisory Commission, to be merged with CED’s existing commission, for consideration of funding as part of the FY 23-24 budget process.	April 4, 2023	ESD
17	Cross-cutting	Energy and Water Building Performance Ordinance (“Building Performance Ordinance”)	The Building Performance Ordinance requires property owners of large commercial and multi-family properties 20,000 square feet in size and above to benchmark these properties’ energy and water use and report this to the City annually using the U.S. EPA ENERGYSTAR Portfolio Manager® platform. On a rolling five-year cycle, starting in 2023, buildings will also have to complete one of two “Beyond Benchmarking Pathways,” through which	N/A	ESD

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			they will have to either 1) demonstrate high performance or performance improvement; or 2) complete an audit, building re-tuning, or targeted efficiency actions with the goal of improving their performance. Staff share energy and water data with buildings via customized scorecards.		
18	Cross-cutting	1 Day/ 1 Action	This project is an art/ social media campaign to engage and inspire our community to take climate action.	N/A	Office of Economic Development and Cultural Affairs
19	Other	<u>New Climate Smart Natural and Working Lands (NWL) Element</u>	In a partnership with and with matching funding from the Santa Clara Valley Open Space Authority, a project and technical working group, and community input, the City drafted an NWL Element which lays out new Climate Smart NWL indicators, metrics, and progress milestones. The Element will be presented for City Council consideration and, if approved, incorporated into the Climate Smart plan.	April 4, 2023	ESD
20	Other	New Climate Smart Zero Waste Element (ZWE)	The ZWE will address GHG emissions from the solid waste sector. It will assess and reevaluate the prioritization of the City's zero waste strategies and address related critical issues regarding recycling markets, changing waste regulations, domestic reuse potential, local infrastructure related to waste and landfill capacity.	Fall 2023 (est.)	ESD
21	Other	Advanced Metering	AMI will allow residents and commercial businesses to view water usage data in	N/A	ESD

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		Infrastructure (AMI) Deployment	nearly real-time, increasing potable water usage awareness and leak detection efficiency. San José Municipal Water completed a pilot of three AMI technologies and is developing a scope of work to solicit bids for deployment of AMI to more than 26,000 service connections. San Jose Water Company, which services approximately 80 percent of the city, will conduct a phased AMI deployment during the next few years.		
22	Other	Integrated Water Infrastructure Program (IWIP)	The objective of the IWIP is to integrate existing water infrastructure to create a cohesive distribution system conveying stormwater, non-potable groundwater, and recycled water to maximize underutilized assets and increase the non-potable water supply. ESDs Water Resources Division staff is collaborating with partner agencies to evaluate additional pilot projects, including an expanded pilot project to assess the efficacy of bioretention ponds to expand recycled water applications by improving recycled water quality and to diversify San José's water resources portfolio.	N/A	ESD