

Sustainability Action Plan 4: Progress Update and Recommended Modifications

TRANSPORTATION

Task #	Action	Lead Dept.	Status	Est. Completion Date ¹	Recommended Change	Update
T2.1	Conduct assessment to apply for Measure B grant funds	PWD	Completed	Q4 2019		Funds used to support Measure B grant application, which yielded \$26.8 million in ped/bike funding for Mountain View projects including El Camino Real Ped/Bike Improvements, Stevens Creek Trail Extension, and Bernardo Avenue Undercrossing.
T2.16	Implement a Citywide Pilot Bicycle Facilities and Monitoring Program.	PWD	In Progress	TBD		Bicycle counts have been taken in multiple locations using traditional counting methods. Staff has also developed a Transportation Dashboard and is investigating an ongoing monitoring program.
T3.1	Create dedicated funding for active transportation outreach.	PWD	Recommended for Consolidation	N/A	Move \$97,304 to T5.1	This funding was used to support activities along Castro Street during COVID and the pedestrian mall pilot. Recommend consolidating efforts and funding balance under T5.1.
T3.2	Develop guidelines and infrastructure for e-scooter share pilot.	PWD	In Progress	Q4 2024		Staff has developed an initial list of locations to be analyzed as potential drop zones (designated parking areas) as part of scooter share pilot guidelines.
T3.5	Develop a bike rack request program.	PWD	Recommended for Removal	N/A		Staff has developed a Transportation Dashboard and is exploring ways to expand bike rack availability through other projects.
T3.6	Develop or expand existing rebate programs for e-bikes and other mobility devices. Develop rebate program for e-bikes and other mobility devices.	CMO	In Progress	Q2 2024	Update action description	The State is also launching an e-bike rebate program in 2023. Staff is exploring using funds to enhance the state's program offerings for Mountain View residents or administering a local program.
T3.7	Update the bicycle parking ordinance.	CD PWD	Recommended for Consolidation	N/A	Move to PWD	Recommend for consideration through TDM work under T6.6.

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T5.1	Develop, adopt, and implement Vision Zero Policy and Action Plan. Adopt Vision Zero Policy and develop and implement Action Plan.	PWD	In Progress	Q4 2023	Update action description	Vision Zero Policy has been adopted and the joint Vision Zero Action Plan / Local Road Safety Plan is underway. Staff has obtained BPAC feedback on analysis, proposed countermeasures and priority corridors and developed a Vision Zero / Active Transportation Outreach RFP.
T6.1	Support expansion of TMA programs to serve new businesses.	PWD	Completed	Q3 2022		In spring 2022, the TMA implemented a new program to reimburse transit/carpool users for expenses related to mid-day trips. The TMA is also marketing the Community Shuttle Service and MVGO.
T6.6	Develop and explore residential and downtown TDM programs. Explore development of downtown TDM pilot program.	PWD CDD	In Progress	Q1 2025	Update action description, consolidate with T6.7 and move to PWD	Development of a citywide TDM ordinance is underway and the development agreement and TDM conditions of approval for future projects in the North Bayshore Master Plan area are being finalized.
T6.7	Implement residential TDM program to reduce drive-alone travel.	PWD CMO	Recommended for Consolidation	N/A	Move \$150,000 to T6.6 and moved to PWD	Recommend consolidating under TDM work for T6.6.
T7.2	Evaluate pricing for EV charging at City-owned EV chargers.	CMO	Completed	Q1 2020		Approved by City Council on 2/25/2020.
T7.3	Install additional EV chargers in downtown parking garages	PWD	In Progress	Q3 2023		In Spring 2022, (10) L2 chargers and make-ready infrastructure for 15 more L2 chargers were installed at 135 Bryant Street parking garage and (6) chargers were added to the Civic Center garage. Building permit was issued in March 2023 to install (22) L2 and (1) L3 chargers at the 850 California Street garage.
T7.4	Develop an Electric Vehicle Action Plan.	CMO	Completed	Q4 2021		Plan was published in December 2021.
T7.5	Evaluate opportunities to add EV chargers to other City facilities.	CMO	Completed	Q2 2022		Staff identified opportunities to install EV chargers at several City-owned parking facilities.

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T7.6	Evaluate vendor options for existing EV chargers at City facilities.	CMO	Completed	Q2 2022		Defunct Chargepoint chargers at 850 California Street and Civic Center Parking Structures were replaced with PowerFlex charging ports in Spring 2022.
T7.7	Facilitate an EV and EV charger group buy or discount program	CMO	Recommended for Consolidation	N/A	Move \$30,000 to B2.4	Recommend consolidating funding under B2.4.
T7.8	Support SVCE program to install EV chargers in MUDs	CMO	Completed/ Ongoing	Ongoing		This is an ongoing effort. Sustainability will promote updated SVCE EV charger initiatives for MUDs as they are developed.
T7.10	Install additional EV chargers as needed at City facilities.	PWD	Completed/ Ongoing	Ongoing		The Rengstorff Park Aquatics Center Replacement Project will include (4) EV chargers as well as make-ready infrastructure for future installation of additional chargers. Powerflex will install these chargers at no direct cost to the City under agreement to cede carbon offsets credits to PowerFlex.
T7.11	Review EV zoning recommendations from countywide study	CDD	Recommended for Removal	N/A		Recommend removing this action to focus on higher-impact actions.
T8.1	Develop a Clean Fleets Policy	PWD	Recommended for Consolidation	N/A	Consolidate with T8.3	Recommend consolidating with T8.3. The Fleet Electrification Plan (T8.3) will guide vehicle replacement purchases.
T8.3	Develop a Fleet Electrification Plan	PWD	In Progress	Q4 2023		The City has hired a consultant to assist with development of the plan, including identifying EV replacement candidates for various vehicle classes and preparation of a phased conceptual plan and cost estimate for charging infrastructure at three sites.
T8.4	Explore fuel efficiency measures to reduce City fleet fuel use	PWD	Completed/ Ongoing	Ongoing		Staff proposes fuel efficient, hybrid and electric vehicles during the equipment replacement process and has transitioned the City's fleet to red dye diesel which is a cleaner burning renewable fuel.

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T8.5	Explore opportunities to pilot or test heavy-duty electric vehicles	PWD	Completed	Q3 2023		Public Works staff worked with Library staff to develop specifications for an electric vehicle to replace the City's bookmobile. The bookmobile is expected to be delivered in summer 2023. Other opportunities will be pursued through T8.3.
T9.2	Revise employee commute survey to support GHG inventory.	CMO	Completed	Q2 2020		Completed in February 2020.
T9.3	Evaluate City employee demand for EV charging.	CMO	In Progress	Q2 2023		Employee demand for EV charging is being assessed through the City employee commute survey, which was deployed in May 2023.

ENERGY

Task #	Action	Lead Dept.	Status	Est. Completion Date ¹		Update
B1.1	Develop a reach code to support building electrification.	CDD	Completed	Q4 2019		City Council adopted the Mountain View Green Building Codes and Reach Code on 11/12/2019.
B1.3	Develop building electrification reach codes for 2022 code cycle.	CDD	Completed	Q4 2022		Council adopted the Mountain View Green Building Codes and Reach Code on 12/13/2022.
B2.2	Promote SVCE's heat pump water heater incentive pilot.	CMO	Completed/ Ongoing	Ongoing		Staff has been including the program in the monthly newsletter.
B2.4	Implement energy efficiency and electrification projects. Explore a second Energy Upgrade Mountain View type of program.	CMO	In Progress	Ongoing	Update action description, increase balance by \$353,806 (from B2.5, P3.2, S5.2, T7.7 and previously unallocated funds)	Staff is exploring a building decarbonization direct install pilot program and neighborhood-scale decarbonization initiatives.

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B2.5	Develop a City-funded fuel-switching rebate program for homes.	CMO	Recommended for Consolidation	N/A	Move \$160,000 to B2.4	Recommend consolidating funding for electrification initiatives under B2.4.
B2.6	Develop a Building Benchmarking and Disclosure Ordinance	CMO	Recommended for Removal	N/A	Move \$250,000 to S1.8	Recommend removing this action and re-allocating funding to the decarbonization strategy and implementation plan under S1.8.
B3.2	Develop a reach code to require non-residential solar PV	CDD	Completed	Q4 2019		City Council adopted the Mountain View Green Building Codes and Reach Code requiring solar PV on all new non-residential buildings on 11/12/2019.
B3.3	Develop a Clean Energy Pledge for businesses.	CMO	Recommended for Removal	N/A		Recommend removing this action and integrating efforts into general outreach to businesses around decarbonization, including through the green business program and SVCE's programming.
B3.4	Research options to require energy source/carbon disclosure.	CMO	Recommended for Removal	N/A		Recommend removing this action and focusing on higher-impact initiatives.
B4.1	Analyze opportunities for electrification during renovations.	PWD	Completed/ Ongoing	Ongoing		The conversion of the HVAC system at Fire Station 1 to all-electric was completed in June 2022. The All-electric Rengstorff Aquatics Center project is under construction and scheduled for completion in Fall 2023. Electrification of the Senior Center's domestic water heating system is under preliminary design. Other opportunities will be evaluated through S1.8.
B4.5	Develop LEED® Gold certification policy with LEED® Platinum analysis.	CMO	Completed	Q2 2020		Policy approved by Council on 6/9/2020.
B4.6	Develop electrification and renewable energy policy for City facilities.	CMO	Completed	Q2 2020		Policy approved by Council on 6/9/2020.

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B4.7	Develop revolving loan program and provide seed funding.	CMO	Recommended for Removal	N/A		Council approved appropriation of funds for Project 22-34, which will electrify the water heating and kitchen appliances at the Mountain View Senior Center.
B4.8	Implement energy efficiency upgrades in City facilities.	PWD	Completed/ Ongoing	Ongoing		A Limited-Term Facilities Technician was hired in October 2021. Scope of work includes LED light retrofits and other energy conservation tasks.
B4.9	Conduct deep energy/electrification retrofit analysis of City facilities.	PWD	Recommended for Consolidation	N/A	Move \$50,000 to S1.8	Recommend consolidating efforts and funding balance under S1.8.
B4.10	Address energy use from plug loads at City facilities.	PWD	Recommended for Removal	N/A		Recommend removing action to focus on higher-impact actions.
B4.11	Implement an energy conservation campaign for City staff.	CMO	Recommended for Removal	N/A		Recommend removing action and addressing energy use through other employee engagement activities.

OFF-ROAD EQUIPMENT, TREE CANOPY AND WATER

Task #	Action	Lead Dept.	Status	Est. Completion Date ¹		Update
P2.1	Partner with Google to improve tracking of tree canopy cover.	CMO	Completed	Q3 2022		Google has incorporated Mountain View tree canopy data into the Environmental Insights Explorer.
P2.2	Develop a new Urban Forest Plan as part of the City's Biodiversity Strategy. Update the Community Tree Master Plan.	CSD	In Progress	Q2 2024	Update action description	The City is currently developing a new Urban Forest Plan (to replace the existing Community Tree Master Plan) to be included in the citywide Biodiversity Strategy, which is anticipated to be completed by Spring 2024.
P2.3	Partner with Canopy to expand tree planting and outreach.	CSD	Completed/ Ongoing	Ongoing	Move \$10,120 to P3.1	Staff is overseeing the City's 3rd agreement with Canopy. The current FY22-23 scope of services includes planting events, education, tree care, and outreach. Recommend re-allocating balance to P3.1.

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P3.1	Expand use of electric landscaping equipment and test new models.	CSD	In Progress	Q3 2024	Increase balance by \$10,120 (from P2.3)	Staff continues to purchase and replace older gas powered equipment. Staff has held demo days for fleet and parks staff to try out new technology. Two upcoming mini parks (Evelyn and Villa) will be fully maintained with electric equipment.
P3.2	Evaluate a trade-in or rebate program for landscaping equipment.	CMO	Completed	Q2 2023	Move \$79,006 to B2.4	The City has promoted commercial rebates available through the State's CORE program to local landscapers. SVCE also offers discounts to their customers via the eHub. Staff recommends re-allocating the funding balance to B2.4.
W1.2	Investigate installing a CIMIS weather station.	CSD	Completed	Q4 2021		Investigation identified potential problems with burrowing owls and the height of the station. Staff decided to not move forward with the installation.
W1.3	Conduct a communitywide irrigation audit.	CSD	Completed	Q4 2023		The audit has been completed. Remaining balance will be used to implement audit recommendations.

CORE SUSTAINABILITY AND OUTREACH

Task #	Action	Lead Dept.	Status	Est. Completion Date ¹		Update
S1.2	Establish SAP-4 implementation team for metrics and reporting.	CMO	Completed	Q1 2021		Staff convenes this team semi-annually to discuss progress on SAP-4 actions and coordinate reporting, dashboard metrics, and relevant projects.
S1.3	Allocate funds for community/ municipal pilot projects & training.	CMO	In Progress	Q2 2023		Council approved appropriating funds for Project 22-34, which will electrify the water heaters and kitchen appliances at the Mountain View Senior Center.
S1.4	Begin process of exploring other funding sources	CMO	Completed/ Ongoing	Ongoing		Staff has identified possible funding sources, including enterprise funds, impact fees, and a revenue measure.

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S1.6	Explore ways to incorporate social equity into sustainability program.	CMO	Completed/ Ongoing	Ongoing		A framework for viewing all policies and programming through an equity lens has been developed. Sustainability staff is coordinating with the MEP and REI efforts and has completed equity training. Funding balance will be used for equitable outreach for various plans and projects.
S1.7	Develop a climate vulnerability and resilience plan. Develop a city resilience and adaptation plan.	CMO	In Progress	Q4 2024	Update action description, increase balance by \$30,000 (from \$3.3)	Staff is preparing an RFP to hire a consultant to develop the plan by the end of 2024.
S1.8	Develop Decarbonization Strategy and Municipal and Community Implementation Plans. Develop Sustainability Action Plan 5.	CMO	In Progress	Q2 2024	Update action description, Increase balance by \$300,000 (from B2.6 and B4.9)	Staff is working with Stanford students to develop a high-level decarbonization strategy and will solicit consulting services in Fall 2023 to develop a full decarbonization strategy and implementation plans for the community and City facilities.
S2.1	Evaluate ESTF-2 recommendations for GHG targets/accounting.	CMO	Completed	Q4 2019		Presented to City Council on 12/3/2019.
S2.2	Complete Preliminary 2018 and Final 2017 Community GHG Inventories.	CMO	Completed	Q4 2019		Presented to City Council on 12/3/2019.
S2.4	Work with Google to improve GHG inventory transportation data.	CMO	Completed/ Ongoing	Ongoing		Staff continues to check-in with Google about transportation inventory data as new data is available.
S2.5	Complete Final 2018 Community GHG Inventory.	CMO	Completed	Q2 2021		Presented to City Council on 6/22/2021.
S2.6	Evaluate use of CURB tool for prioritizing GHG reduction efforts.	CMO	Completed	Q4 2021		Staff evaluation completed in December 2021.
S2.7	Investigate use of carbon offsets.	CMO	Completed	Q4 2019		Presented to City Council on 12/3/2019.
S2.8	Complete 2019 Community GHG Inventory.	CMO	Completed	Q2 2022		Presented to City Council on 4/12/2022.

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S2.11	Complete 2020 Community GHG Inventory.	CMO	In Progress	Q2 2023		Preliminary Inventory presented to City Council on 4/12/2022. Final Inventory is in progress and will be presented to Council on 6/27/2023.
S3.2	Develop an informal volunteer community group to support outreach.	CMO	Completed/ Ongoing	Ongoing		The group was launched in November 2020. Staff is engaging the group for different opportunities.
S3.3	Develop a sustainability dashboard for the City's website.	CMO	Completed	Q2 2022	Move \$30,000 to S1.7	Sustainability dashboard was published on the City's website in 2022 and annual data updates are scheduled. Recommend re-allocating balance to S1.7.
S4.3	Develop Community Climate Solutions platform and conduct outreach.	CMO	Recommended for Removal	N/A	Move \$35,000 to S4.5	Staff has evaluated this platform and determined that it is similar to the Cool Block program. Staff recommends prioritizing the Cool Block program and re-allocate funds to S4.5.
S4.5	Implement neighborhood-based community engagement on decarbonization and resiliency. Run the Cool Block Program in Mountain View neighborhoods.	CMO	Completed/ Ongoing	Ongoing	Update action description, increase balance by \$35,000 (from S4.3)	45 residents participated in the 2nd cohort of Cool Block which was completed in 2022. Staff is exploring integrating electrification/natural gas pruning into Cool Block engagement. Recommend expanding the scope to general engagement on decarbonization and resiliency.
S4.6	Run Yellowtin-Electrify MV program to educate about home upgrades.	CMO	Completed	Q2 2022	Update action description	Yellowtin's Electrify Mountain View site launched in Spring 2022.
S4.7	Develop a resolution and outreach in support of a plant-based diet.	CMO	Completed	Q2 2022		Resolution was passed on 5/10/2022 and outreach in support of a plant-based diet is ongoing.
S5.2	Create a program for peer learning support for small businesses.	CMO	Recommended for Removal	N/A	Move \$30,000 to B2.4	Recommend removing action and re-allocating funding to B2.4.
S5.3	Hold sustainability roundtables for large businesses.	CMO	Recommended for Removal	N/A		Staff evaluated this action and determined that collaboration opportunities for large businesses already exist. Recommend removing this action.
S1.5	Evaluate certifications such as STAR or LEED for Cities.	CMO	Completed	Q4 2021		Staff evaluated these certification programs and recommends not pursuing them at this time.

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S2.3	Complete Final 2017 Local Government Operations GHG Inventory.	CMO	Completed	Q2 2020		Due to having updated data, presented 2018 inventory (rather than 2017) to City Council on 4/21/2020.
S2.12	Complete 2020 2022 Local Government Operations GHG Inventory.	CMO	In Progress	Q4 2023		Staff is developing the 2022 inventory and will present the results to Council in Fall 2023.
S6.2	Re-establish the Green Team of City employees.	CMO	Recommended for Removal	N/A		Staff recommends pursuing employee engagement through other strategies such as incorporating content into HR's staff newsletter.

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