

## TRANSPORTATION RECOMMENDATIONS

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
T1	Revolutionize transportation in Mountain View	Set clear direction for City to fully develop biking, walking, transit, and EV infrastructure citywide by 2030	Existing efforts related to this recommendation are addressed below in the other transportation-related recommendations	<u><b>Lead Agency: City of Mountain View</b></u> In addition to initiatives listed below in the other transportation-related recommendations, SAP-4 proposes a Strategic Transportation Sustainability Master Plan that would fill in a gap in the City's current Climate Action Plan by outlining specific steps and secondary goals to reach the City's 2030 GHG reduction targets in the transportation sector.
		Accelerate efforts to upgrade both infrastructure and outreach		
		Redirect City resources from a vehicle focus to alternative modes of transportation and electrification		
		Provide sufficient funds		
T2	Implement group-buy programs to expand personal EV adoption	Pilot a group-purchase program of EV chargers/vehicles/bicycles for Mountain View residents and businesses.	<u><b>Lead Agency: Business Council on Climate Change (BC3)</b></u> The BC3 offers an annual limited-time, group-buy program for residential solar and electric vehicles from pre-vetted providers each year between August and December. This group buy program is open to residents of all 9 counties in the Bay Area region, including Mountain View. The City is exploring participating as an official outreach partners in this program, though residents are already eligible for its offers.	<u><b>Lead Agency: City of Mountain View</b></u> SAP-4 contains a proposed item to explore additional group-buy programs for EVs and EV chargers (T7.7) as well as a proposed incentive program for electric bicycles (T3.6).
T3	Expand EV charging infrastructure on public property and right-of-ways	Allow charging permits for privately owned, public charging in the Public Utilities Easement		<i>The City does not plan to pursue this action.</i>
		Perform a siting survey to identify high-opportunity sites	<u><b>Lead Agency: City of Mountain View</b></u> The City has already done a preliminary siting survey to identify priority sites for EV charger installation at City facilities after Council allocated funds to expand EV charging at City facilities in December 2018.	<u><b>Lead Agency: City of Mountain View</b></u> The City plans to conduct a more thorough siting analysis as part of the proposed EV Action Plan (T7.4).
		Incentivize/encourage public DCFC infrastructure with ownership, installation, and operation by third parties	<u><b>Lead Agency: City of Mountain View</b></u> The City has been identifying potential sites for DCFC charging at City-owned facilities, and	<u><b>Lead Agency: SVCE</b></u> As part of their EV Infrastructure Strategy, SVCE is developing a DCFC incentive program that would identify high-priority sites near target populations, including MUD residents, high traffic areas, and underserved areas. This program would facilitate a competitive RFP to encourage highest-value DCFC projects in priority locations and provide integrated technical assistance to MUD-located or MUD-serving DCFC. The City plans to work with SVCE to facilitate projects at high-priority sites in Mountain View.

## Sustainability Action Plan 4 - Status of Existing and Planned Actions

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T3	<b>Expand EV charging infrastructure on public property and right-of-ways</b>	For residential and workplace (L1 and L2) focus on low-cost installations via grants and utility-funded installs	<b>Lead Agency: PG&amp;E</b> PG&E is in the process of installing a large number of EV chargers at multi-unit dwellings and workplaces as part of their Charge Network incentive program, with several large projects already completed.	<b>Lead Agency: SVCE</b> As part of their EV Infrastructure Strategy, SVCE is developing incentive and technical assistance programs for Multi-Unit Dwellings (MUDs) and workplace charging, focusing on small- and medium-sized businesses. The City plans to work with SVCE to facilitate deployment of charging infrastructure in Mountain View through these programs.
		Improve public signage for EV charging infrastructure	<b>Lead Agency: SVCE</b> SVCE is in the process of implementing a pilot EV signage program. If the agency decides to expand the pilot program, the City will coordinate with SVCE to determine the possibility of participating.	<b>Lead Agency: City of Mountain View</b> The City will examine public EV signage as part of its EV Action Plan (T7.4).
		Convert prime downtown parking spots into EV restricted spaces	<b>Lead Agency: City of Mountain View</b> Council allocated funding in Dec. 2018 to install additional EV chargers in the City-owned parking facilities downtown. Staff is currently coordinating with a vendor to install additional chargers in the two parking structures, pending grant funding.	
		Mandate and maintain a ratio of X% EV parking spots and chargers in public parking lots		<b>Lead Agency: City of Mountain View</b> The City's proposed EV Action Plan (T7.4) will examine the current and planned ratio of EV parking spaces in the downtown parking lots and make recommendations.
		Encourage vendors to install charging in City parks and other public places	<b>Lead Agency: City of Mountain View</b> The City is currently working with vendors to install additional parking at downtown parking facilities and other City sites such as the Community Center.	<b>Lead Agency: City of Mountain View</b> The City plans to evaluate opportunities to add EV chargers at City facilities downtown and other City-owned sites using the \$250,000 in funds allocated by Council in Dec. 2018 and leveraging any available grant opportunities (T7.5).
T4A	<b>Solve the local solo-trip problem: MV Shuttle 2.0 and 3.0</b>	"Shuttle 2.0" - redesign routes, greatly expand geographic coverage, frequency, and hours of operation.	<b>Lead Agency: City of Mountain View</b> Council allocated funding in Dec. 2018 to accelerate a Community Shuttle Study to evaluate local transit service needs and develop alternatives for expansion/modification of local shuttle services. The study is currently underway and expected to be shared with Council by the end of 2019.	

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T4B	<b>Solve the local solo-trip problem: Pilot discounted pooled ridesharing</b>	Pilot discounted pooled ride-hailing and rideshare services	<p><b><u>Lead Agency: Mountain View TMA</u></b> The Mountain View TMA launched a 3-month Mid-Day Mobility Pilot Program that subsidizes up to \$5 of a shared ride-hailing ride that begins or ends in MV, which was extended through the end of 2019.</p> <p><b><u>Lead Agency: Mountain View TMA</u></b> The Mountain View TMA launched a six-month pilot program with Waze Carpool offering a discounted, flat rate of \$2 per carpool ride to and from MV.</p>	
T5	<b>Support bicycling as a primary mode of transportation</b>	Fund and implement the projects described in the BTP and adopt a planning process for completing the highest-priority projects within 5 years.	<p><b><u>Lead Agency: City of Mountain View</u></b> There are a significant number of pedestrian and bicycle infrastructure improvements underway and expected to be complete within the next 5 years, including items T2.1 through T2.15 in SAP-4. The Comprehensive Modal Plan, currently underway, will prioritize all potential projects by identifying priority corridors and gaps in the current network.</p>	<p><b><u>Lead Agency: City of Mountain View</u></b> Staff has proposed several action items in SAP-4 designed to significantly accelerate the implementation of active transportation infrastructure, including hiring a new CIP team dedicated to active transportation and a pilot bicycle facilities project (T2.17).</p>
		Improve intersections to reduce stress and increase safety for pedestrians and cyclists	<p><b><u>Lead Agency: City of Mountain View</u></b> There are a number of improvements in planning or underway to improve intersections for cyclists and pedestrians. The Comprehensive Modal Plan, currently underway, will incorporate new data collection on Bicycle Level of Traffic Stress and Pedestrian Quality of Service and identify gaps in the network, including intersections.</p>	
		Ensure there is adequate bike parking citywide and continually assess demand for new bike parking, including at the MV Transit Center.		<p><b><u>Lead Agency: City of Mountain View</u></b> The City plans to install a number of bike racks with VTA TFCA grant funds (T3.4), develop a bike rack request program for businesses and residents (T3.6), work with Caltrain to ensure adequate bicycle parking in the Transit Center redesign (T4.7), and update the bicycle parking ordinance (T3.7). The proposed Pilot Bicycle Facilities Project (T2.16) will also include a review of bicycle parking on priority corridors.</p>
		Adopt policies that require or incentivize existing employers and multi-family property managers to offer secure bike parking for employees and residents, and evaluate existing requirements.	<p><b><u>Lead Agency: City of Mountain View</u></b> Secure bicycle storage requirements (both short-term parking and long-term parking) are incorporated into the East Whisman and North Bayshore Precise Plans, which requires secure bicycle parking in new commercial and office development as well as one secure bicycle parking space per unit in new multifamily development.</p>	<p><b><u>Lead Agency: City of Mountain View</u></b> The City cannot require existing properties to add secure bicycle parking, but may explore incentives for bicycle storage as part of an expanded TMA program. SAP-4 includes a proposed item to update the bicycle parking ordinance (T3.7), which would apply to development citywide.</p>

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T5	Support bicycling as a primary mode of transportation	Implement a bike share program.	<b>Lead Agency: City of Mountain View</b> The City launched its pilot bikeshare program in 2018 with two operators, both of which chose to cease operations prior to the end of the pilot. The City is currently soliciting new operators for the program, and staff will present a report on the bikeshare pilot and a potential scooter share pilot to Council in October.	
		Maintain programs to support and encourage bike transportation, including TMA programs and employer incentives.	<b>Lead Agency: City of Mountain View</b> The City's North Bayshore and East Whisman Precise Plans include TDM requirements for new development that can include active transportation incentives.  <b>Lead Agency: City of Mountain View</b> The City is developing a pilot program to test new commuter incentives for City employees, including new bicycle benefits and an e-bike trial program.	<b>Lead Agency: City of Mountain View</b> SAP-4 contains several additional proposed programs designed to encourage bike transportation, including active transportation outreach (T3.1), a City-funded incentive program for e-bikes (T3.6), a potential Downtown TDM pilot program (T6.6) that could include bicycle incentives, and a residential TDM program to reduce drive-alone travel for non-commute trips (T6.7).
T6	Restrict parking to encourage and fund alternative modes	Implement modest fees for parking in downtown public lots and parking structures and charge for on-street parking downtown.	<b>Lead Agency: City of Mountain View</b> Options for implementing paid parking in City-owned lots and structures as well as on-street parking were evaluated as part of the Downtown Parking Action Plan study presented to Council in March 2019. Council directed staff to develop a Downtown Parking Strategy (to be presented in October 2019), but did not direct staff to pursue paid parking at this time.	
		Encourage employers to purchase discounted transit passes for employees as an alternative to driving and parking.		<b>Lead Agency: City of Mountain View</b> Staff has proposed partnering with the Mountain View TMA to explore the feasibility of a Downtown TDM pilot program that could include subsidized transit passes as part of SAP-4.
		Implement neighborhood parking permits for a modest fee to address spillover parking	<b>Lead Agency: City of Mountain View</b> Changes to the downtown residential parking permit system were analyzed as part of the Downtown Parking action Plan presented to Council in March 2019. Staff is currently preparing a Downtown Parking Strategy based on Council direction that will be presented to Council in October 2019.	
		Unbundle parking from rents for residential and commercial tenants city-wide	<b>Lead Agency: City of Mountain View</b> Unbundled and shared parking are currently in the design guidelines for new development in the North Bayshore and East Whisman Precise Plans.	
		Rent parking spaces to autonomous EV fleets to recharge and park at night.		<i>No relevant actions currently planned, as there are no existing autonomous EV fleets in Mountain View.</i>

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ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
T6	Restrict parking to encourage and fund alternative modes	Create a pedestrian mall on Castro Street.	<b>Lead Agency: City of Mountain View</b> The City is currently conducting a feasibility study for a Castro Street pedestrian mall between Evelyn and Villa as part of the MV Transit Center redesign.	
T7	Expand transportation demand management (TDM) to all of Mountain View	Implement a pilot TDM outreach program targeted to residents		<b>Lead Agency: City of Mountain View</b> SAP-4 contains a proposed item to implement a pilot TDM outreach program targeted at residents to reduce drive-alone travel, especially for non-commute trips through a targeted, community-based campaign (T6.7).
		Develop strong citywide TDM requirements for all new development, including commercial and multi-family residential.	<b>Lead Agency: City of Mountain View</b> The City is planning to develop a citywide TDM ordinance for Council consideration by FY 20-21 (T6.5).	
		Provide incentives for existing commercial property owners to adopt TDM.		<b>Lead Agency: Mountain View TMA and City of Mountain View</b> SAP-4 contains a proposed item to explore the feasibility of a downtown TDM pilot program to support small businesses and employees of the Downtown Parking District in coordination with the Mountain View TMA (T6.6). This project would serve as a pilot program to help the TMA develop programs to serve existing businesses and encourage businesses to join the TMA.
		Use TDM commitments to help provide both pooled transportation (shared rides or shuttles) and ongoing TDM outreach services citywide, including for residents, small employers, and visitors.	<b>Lead Agency: Mountain View TMA</b> The Mountain View TMA launched pilot programs for subsidized pooled ride-hailing and flat-rate carpooling to and from Mountain View. These programs may be extended further pending review of the success of the pilot programs.	<b>Lead Agency: City of Mountain View</b> The City plans to continue to support expansion of the TMA to address non-shuttle activities and expand services to better serve existing and smaller businesses (T6.1).

# Sustainability Action Plan 4 - Status of Existing and Planned Actions

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## BUILDINGS AND LAND USE RECOMMENDATIONS

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
B1	Adopt a decarbonization policy for buildings	Use the absolute targets outlined in the Climate Protection Roadmap as targets for natural gas consumption reduction in the building sector and report on them publicly via a dashboard.		<b>Lead Agency: City of Mountain View</b> SAP-4 contains proposed action items to set secondary metrics for the City's climate and sustainability goals and develop an internal and public-facing reporting process, including a dashboard.
		Commission a Building Baseline Study and create a Roadmap on how to get to low-carbon buildings by 2050.	<b>Lead Agency: SVCE</b> SVCE is in the process of completing a Building Baseline Study and Decarbonization Roadmap for the City of Mountain View as a pilot for a study for their entire service territory. City staff is coordinating with SVCE to ensure the study meets the needs of the City.	
BE1	Incentivize switching residential HVAC and water heaters from natural gas to electricity	Collaborate with SVCE and BAAQMD to fund the following incentives: - \$500-\$2000 per customer towards purchasing and installing electric/heat pump hot water heaters - \$3500 rebate per customer towards purchasing and installing space heating/cooling systems	<b>Lead Agency: SVCE</b> SVCE launched a pilot heat pump water heater incentive program in July 2019 that offers between \$2,000 - \$6,000 in incentives to eligible customers to replace a natural gas water heater.	<b>Lead Agency: City of Mountain View</b> SAP-4 includes a proposed City-funded rebate program to encourage replacement of natural gas furnaces with heat pump space heaters (B2.5).
		Establish a fund to hold public education workshops and establish list of trained and certified local installers to provide guidance and services for the conversion process.	<b>Lead Agency: SVCE</b> SVCE is working to compile a list of certified local installers and other resources as part of their pilot heat pump water heater incentive program and Customer Resource Center.  <b>Lead Agency: City of Mountain View</b> The City is coordinating with SVCE, BayREN, and other agencies to continue to host workshops and trainings for the public regarding building electrification measures, and has secured funding that can cover these outreach measures.	
BE4	Increase efficiency of existing buildings through voluntary programs and city ordinances	Increase impact of voluntary energy efficiency programs through additional staff and outreach funding	<b>Lead Agency: City of Mountain View</b> The City is in the process of hiring a full-time Analyst to support sustainability outreach. Additionally, there are several planned outreach efforts to leverage existing energy efficiency incentive programs.	<b>Lead Agency: City of Mountain View</b> SAP-4 contains a proposed action to explore development of a second Energy Upgrade Mountain View-type program, leveraging all available third-party and City-funded rebates to promote energy efficiency and fuel switching (B2.4).  Additionally, SAP-4 contains several proposed outreach initiatives that would promote residential energy efficiency and fuel-switching.

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ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
BE4	Increase efficiency of existing buildings through voluntary programs and city ordinances	Consider energy-efficiency ordinances to address the City's existing building stock, including energy audits or retrocommissioning, time-of-sale energy audits, and energy audits for rentals and leases		<b>Lead Agency: City of Mountain View</b> SAP-4 contains a proposed action to develop a proposed Building Energy Benchmarking Ordinance for large buildings in Mountain View, which may contain mandatory audit or retrocommissioning requirements (B2.6)
BE7	Encourage installation of EV chargers in existing multi-unit dwellings	Develop and implement a program to encourage installation of EV charging stations in parking lots and parking garages of existing multi-unit dwellings, including: - Providing technical assistance to property owners and managers - Developing a working relationship with organizations providing funding programs - Performing a siting survey to identify high-opportunity buildings - Conducting outreach to property owners and managers - Identifying barriers to EVSE installation to streamline the process - Measure program results by counting number of chargers	<b>Lead Agency: PG&amp;E</b> PG&E's Charge Network Program provided financial incentives and technical assistance for installation of EVSE in existing multi-unit dwellings, including working with property owners to develop designs and complete project installation. This program covered 100% of the costs of the supporting electrical infrastructure, and a portion of the cost of the chargers. PG&E is in the process of working with property owners to implement 5 projects at MUDs in Mountain View for a total of 77 new charging ports in multi-unit dwellings.	<b>Lead Agency: SVCE</b> As part of their EV Infrastructure Strategy, SVCE is developing an incentive and technical assistance programs for Multi-Unit Dwellings (MUDs). As part of this program, SVCE completed a siting survey and identified high-opportunity sites, including 82 properties with a total of 7,366 units in Mountain View. SVCE plans to work directly with these property owners to facilitate installation at a portion of these sites. The program would provide comprehensive technical assistance and 100% or near-100% cost coverage for installation.
BE9	Adopt a revenue-neutral differential utility tax encouraging low-carbon energy use	Implement a lower Utility User Tax on electricity and raise the UUT on natural gas to hasten the replacement of natural gas appliances with electric appliances.		<i>The City does not currently plan to pursue this action, due to PG&amp;E restrictions and concerns over impacts on lower-income households and renters.</i>
BE12	Use City buildings to demonstrate leadership in electrification and energy efficiency	Conduct a deep energy efficiency and electrification retrofit analysis of City facilities, including feasibility of 80% reduction in emissions by 2030.		<b>Lead Agency: City of Mountain View</b> SAP-4 contains a proposed item to conduct a deep energy efficiency and electrification retrofit analysis of City facilities (B4.9).
		Implement deep-energy efficiency and electrification retrofits		<i>Implementation of projects will be considered after analysis is complete and projects and costs have been identified.</i>

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ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
BE12	Use City buildings to demonstrate leadership in electrification and energy efficiency	Increase the annual Energy Efficiency Capital Improvement Program funds		<b>Lead Agency: City of Mountain View</b> Discussions with City staff have identified the primary barrier to implementation of energy efficiency projects at City facilities to be staff capacity rather than funding. SAP-4 proposes two limited-period staff positions to address this and enable the completion of backlogged projects. SAP-4 also proposes finishing the development of a revolving loan program to provide increased funding for energy efficiency projects (B4.7)
BN1	Update green building code to move towards low-carbon building	Renew the MVGBC every three years per ESAP-3 #32, aiming to always surpass Title 24.	<b>Lead Agency: City of Mountain View</b> The Mountain View Green Building Code is renewed every three years as part of the standard code update cycle, and has always exceeded Title 24 since its development .	
		Adopt the existing reach code on low-rise residential new construction: all-electric design for areas with no gas lines		<i>Staff is currently proposing mandated electrification measures for new residential buildings that would apply Citywide, rather than having different requirements for different areas of the City.</i>
		Develop a reach code to mandate use of clean energy for all purposes (electric appliances and installation of EV chargers) in residential and commercial buildings by 2025	<b>Lead Agency: City of Mountain View</b> Staff is developing a proposed reach code for Council consideration to incentivize or mandate electrification measures in new construction (B. This reach code will be presented as part of the Building Code update on October 22, 2019.	<b>Lead Agency: City of Mountain View</b> Staff will review the performance of any adopted electrification reach codes (B1.1), analyze opportunities to further reduce natural gas use in new development (B1.2), and develop reach codes to promote all-electric construction in the 2022 code cycle (B1.3).
		Develop a reach code for existing homes that supports all-electric ready design when a building undergoes remodeling or retrofitting.	<b>Lead Agency: City of Mountain View</b> There are some electric-ready requirements in the State's 2019 Energy Code and Building Standards Code update that would apply to certain remodels and retrofits.	<b>Lead Agency: SVCE</b> As part of the Building Baseline Study and Decarbonization Roadmap (B2.1), existing building reach codes will be considered, and the City will evaluate any recommended options for inclusion in future code updates.
		Adopt a reach code to mandate solar PV for non-residential new construction.	<b>Lead Agency: City of Mountain View</b> Staff is developing a proposed reach code for Council consideration to mandate solar PV in new non-residential construction. This reach code will be presented as part of the Building Code update on October 22, 2019.	
BN3	Create financial and non-financial incentives for new above-code buildings	Expedited permitting and plan review for above-code projects so that the review time is approximately halved.		<i>Given that the vast majority of new development in areas with green building incentives choose to participate in these above-code FAR bonus programs, City staff does not believe it is feasible to expedite these processes for all qualifying development.</i>



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BN3	<b>Create financial and non-financial incentives for new above-code buildings</b>	Extend the density and height bonuses planned for North Bayshore to all new buildings meeting this criteria in Mountain View.	<b><u>Lead Agency: City of Mountain View</u></b> Green building incentives have been included in the East Whisman Precise Plan, which focuses on transit-oriented development, and will be included as appropriate in future precise plan and general plan updates. However, staff does not believe that density or FAR bonus programs are universally appropriate for all areas of the City, as dense development in areas not well-served by transit, near areas with a high concentration of jobs, or without a "complete neighborhoods" strategy may increase VMT.	
		Reduce plan check fees and permit fees for ZNE buildings. (ESAP-3, #4)	<b><u>Lead Agency: City of Mountain View</u></b> This ESAP-3 item has been completed.	
		Job site signs - City green building construction job site signs could be made available for builders to help distinguish their projects from others.		<i>Due to extremely high participation in green building incentives, the City has not prioritized this action for implementation at this time.</i>
		Directory of participating designers and builders on the city website and included in packets at public events.		<i>Due to extremely high participation in green building incentives, the City has not prioritized this action for implementation at this time.</i>
		Green building excellence award series (commercial, industrial, and schools).	<b><u>Lead Agency: SVCE</u></b> SVCE sponsored regional "All-electric showcase awards" that highlighted standout examples of all-electric construction in different building types throughout their service territory.	<i>Due to extremely high participation in green building incentives and the significant staff time required to support this item, the City has not prioritized this action for implementation at this time.</i>
		Investigate independent incentives for sustainable material use, environmental product declarations, and construction debris management and waste diversion.	<b><u>Lead Agency: City of Mountain View</u></b> The City's green building criteria for East Whisman and North Bayshore include LEED® Gold certification requirements, and FAR bonus programs require LEED® Platinum certification. LEED® has optional credits related to sustainable materials, environmental product declarations and lifecycle analysis, and construction waste diversion that projects may choose to pursue.  The City has requirements for diversion of construction and demolition debris, and ensuring compliance with these requirements is an action item in the City's Zero Waste Plan.	
BN4	<b>Reduce embodied carbon in building construction and maintenance</b>	Require LCA reporting as part of new construction in commercial buildings, starting with sites qualifying for FAR bonuses. Adopt building codes for building life-cycle performance and encourage material reuse and recycling.		<i>The City is monitoring efforts at the State level to address these issues, and may consider related actions for future implementation, but due to limited staff capacity is not pursuing them at this time.</i>

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BN6	Require LEED® Platinum for city-owned new construction or major renovation	Update City policy to require LEED® Platinum certification for all new municipal construction and renovation projects over 5,000 square feet.		<b>Lead Agency: City of Mountain View</b> SAP-4 contains a proposed item to develop a policy requiring LEED® Gold certification and LEED® Platinum feasibility analysis for all new construction and renovation projects at City facilities. Additionally, this policy would state a preference for electric equipment and renewable energy or other carbon-free energy systems wherever possible.
BN8	Measure effectiveness of housing near transit	Adapt the California Department of Housing and Community Development TOD Housing-Program funds point system to evaluate TOD.	<b>Lead Agency: City of Mountain View</b> The City has proposed a complete neighborhoods strategy for the East Whisman Precise Plan, which is designed to implement TOD (L1.1). This plan requires, rather than incentivizes, most of the items in the point system outlined in this recommendation. All of the VMT-reducing strategies referenced in the points system are either mandated for all new development or are included in the East Whisman FAR bonus program.  <b>Lead Agency: City of Mountain View</b> In accordance with California's SB 743, the City is developing VMT thresholds for CEQA analysis that will apply to all projects subject to CEQA review. (L1.4)	
BT1	Enliven Mountain View with native plants and oak trees	Organize outreach programs to encourage property owners and businesses to plant native species, especially oaks.	<b>Lead Agency: City of Mountain View</b> The City's sustainability outreach promotes third-party events about landscaping with native and adapted species.	
		Create sections of native plants and trees on public property.		<i>Due to limited funds, the City has not prioritized this item for implementation at this time.</i>
		Expand existing tree planting efforts with a goal of 50% of all new trees to be native species.	<b>Lead Agency: City of Mountain View</b> The City plans to update the Community Tree Master Plan, and SAP-4 proposes to augment this effort to include a quantification of benefits including carbon sequestration (P2.2).	<b>Lead Agency: City of Mountain View</b> SAP-4 includes a proposed item to increase funding to Canopy, a nonprofit that supports outreach and education programs, to provide dedicated ongoing funding to improve tree planting and environmental education programs (P2.3).
		Require new developments and major renovations to include landscaping of an area equivalent to 5% of building's square footage.		<i>No relevant actions planned at this time.</i>
		Incorporate the Santa Clara County Regional Conservation Investment Strategy for municipal buildings into the development approval process.		<i>No relevant actions planned at this time.</i>

## CIRCULAR ECONOMY RECOMMENDATIONS

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
W1	Lead collaboration among Bay Area cities to develop a solution to overseas recycling crisis	Partner with neighboring cities to develop domestic recycling centers, including lobbying at the state level where appropriate.	<p><b>Lead Agency: SMaRT Station/City of Mountain View</b></p> <p>The City, through its partnership with the SMaRT Station, already utilizes local recycling facilities wherever possible, including the HDPE processing center in Lodi, CA, mentioned in this recommendation.</p> <p><b>Lead Agency: State of California</b></p> <p>The recycling crisis is an active focus of CalRecycle, the State agency charged with overseeing waste management and diversion efforts in California. There are multiple relevant initiatives and funding programs directed at supporting this effort.</p>	<p><b>Lead Agency: City of Mountain View</b></p> <p>The City's Zero Waste Plan has many items focused on source reduction to reduce the amount of waste generated, as well as State packaging and product advocacy measures that address the recycling crisis via regional coordination through existing advocacy groups that support local governments in this effort.</p>
W2	Pass a resolution to support "Green Monday"	Pass a resolution to support "Green Monday" and provide outreach and partnerships to implement the program.		<p><b>Lead Agency: City of Mountain View</b></p> <p>SAP-4 contains a proposed item to develop a resolution supporting Green Monday and conduct outreach to residents and restaurants to spread awareness of and build support for the program (S4.7).</p>
W5	Expand Mountain View's composting program to all residential and commercial properties	Expand the Curbside Food Scraps Program to include all residential and commercial properties in Mountain View.	<p><b>Lead Agency: City of Mountain View</b></p> <p>All commercial properties in Mountain View are already eligible to subscribe to food scraps collection.</p>	<p><b>Lead Agency: City of Mountain View</b></p> <p>The City plans to expand the food scraps collection program to all multifamily properties (Z1.3).</p>
W9	Adopt a citywide ban on single-use disposable plastic foodware	Develop an ordinance prohibiting the sale and distribution of single-use disposable plastic foodware.	<p><b>Lead Agency: Santa Clara County</b></p> <p>The City has been participating in a regional effort to develop a model ordinance to address single-use plastic foodware.</p>	<p><b>Lead Agency: City of Mountain View</b></p> <p>As part of the Zero Waste Plan, the City plans to implement foodware packaging reduction measures, including expanding the Polystyrene Foodware Ordinance to include other single-use foodware items (Z1.2).</p>
W12	Implement a sustainable landscaping program in Mountain View	Encourage lawn replacement or reduction by leveraging sustainable landscape workshops and incentive programs where available.	<p><b>Lead Agency: City of Mountain View</b></p> <p>The Sustainability team regularly promotes workshops related to sustainable landscaping, and the Water Resources team promotes existing landscaping incentives, including for landscape conversions, irrigation upgrades and rainwater capture.</p>	
		Encourage composting to reduce fertilizers and encourage the use of Integrated Pest Management to reduce pesticides.	<p><b>Lead Agency: City of Mountain View</b></p> <p>The Sustainability team regularly promotes workshops related to sustainable landscaping whenever available, and the Zero Waste Plan includes an item to increase the use of free compost available from the City through outreach and advertising.</p>	

## Sustainability Action Plan 4 - Status of Existing and Planned Actions

Attachment 4

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
W12	Implement a sustainable landscaping program in Mountain View	Support electrification of landscape and garden equipment.	<b>Lead Agency: City of Mountain View</b> The City already uses electric landscaping equipment wherever possible, with consideration to usage constraints, and has recently purchased additional batteries to extend the run time of this equipment.	<b>Lead Agency: City of Mountain View</b> SAP-4 contains proposed items to fund the purchase and testing of additional electric landscaping equipment for the City (P3.1) and to evaluate options for a City rebate or trade-in program to encourage adoption of electric landscaping equipment in the community (P3.2).
W15	Partner with Palo Alto to install anaerobic digesters to produce clean energy	Decommission the biosludge incinerators at the RWQCP and install anaerobic digesters to process biosludge and food waste.	<b>Lead Agency: RWQCP</b> The RWQCP is proceeding with plans to decommission the biosludge incinerators in 2019 and has signed long-term contracts for off-site composting and other forms of sustainable biosolids processing.	<b>Lead Agency: RWQCP</b> The RWQCP is still considering future options for reducing emissions, including installation of anaerobic digester, though the process emissions from wastewater treatment remain the primary contributor to associated GHG emissions and would not be affected by changes in biosolids processing.
W16	Adopt a consumption-based emissions inventory for Mountain View's GHG accounting	Conduct a consumption-based inventory in addition to Mountain View's standard GHG inventory.	<b>Lead Agency: City of Mountain View</b> Staff are leveraging the most recent regional consumption-based inventory for Mountain View to inform policy, programs, and outreach.	

## Sustainability Action Plan 4 - Status of Existing and Planned Actions

Attachment 4

### OUTREACH, REGIONAL COLLABORATION, AND LEGISLATIVE ADVOCACY

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
O1	<b>Create a new Sustainability Office for Mountain View</b>	Create a new Sustainability Office in the City Manager's Office headed by a Chief Sustainability Officer, a Sustainability Manager/Coordinator, two Sustainability Analysts, and a Sustainability Specialist for a total of five full-time staff members.	<b><u>Lead Agency: City of Mountain View</u></b> The Sustainability Division has been permanently moved to the City Manager's Office, and is in the process of hiring a second full-time Analyst position. Funding for the Climate Corps fellow was also renewed for FY 19-20.	<b><u>Lead Agency: City of Mountain View</u></b> SAP-4 proposes a Chief Sustainability and Resilience Officer position.
		Create a permanent resident advisory body reporting to the Sustainability Office.		<i>Sustainability staff is still investigating the feasibility of this measure and does not have enough information to propose an action at this time.</i>
O2A	<b>Implement a residential and business outreach initiative</b>	Develop a Residential and Business Outreach Program to empower residents and businesses to take actions that improve their environment and the community.		<b><u>Lead Agency: City of Mountain View</u></b> SAP-4 contains a number of new residential and business outreach programs.
O3	<b>Conduct annual summit to review and track county, state, and federal sustainability actions</b>	Sponsor an annual sub-regional summit for northern Santa Clara County cities to discuss pending sustainability legislation.	<b><u>Lead Agency: City of Mountain View,</u></b> Sustainability staff actively participate in a number of regional and national collaborative forums that actively track and/or advocate for sustainability-related legislation, including the League of California Cities, Silicon Valley Clean Energy Member Agency Working Group, Joint Venture's Public Sector Climate Task Force, the Urban Sustainability Director's Network, and Climate Mayors. Additionally, many City departments are members of specific advocacy organizations in their program area.	

## MEASUREMENT AND METRICS RECOMMENDATIONS

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
M1	Manage Mountain View's emissions budget as carefully as its financial budget	Conduct annual GHG inventories and streamline the emissions process so that a good estimate of prior year emissions is available no later than March 31, and results are reported by September 30 if possible.	<b>Lead Agency: City of Mountain View</b> Council approved annual community GHG inventories in March 2019. Sustainability staff worked with Google in 2018 to streamline the inventory process significantly, but due to data availability constraints, preliminary inventories cannot be completed earlier than fall of the following year. Staff plan to complete both preliminary and final GHG inventories as soon as the relevant data becomes available each year.	
		In years when emissions are less than the budget, the difference should be "banked."	<b>Lead Agency: City of Mountain View</b> Staff are currently evaluating the ESTF-2 recommendations related to greenhouse gas targets and inventories, and will present their recommendations to Council in December 2019 along with the Final 2017 and Preliminary 2018 Community GHG Inventories.	
		In years when emissions exceed the budget, the City should tap into its "emissions bank" and/or purchase enough carbon offsets to make up for the budget variance.		
M2	Set GHG reduction targets according to per capita goals based on service population	Set GHG targets based on per capita rather than absolute GHG emissions, according to Mountain View's service population. Abandon GHG targets not related to changes in population.	<b>Lead Agency: City of Mountain View</b> Staff are currently evaluating the ESTF-2 recommendations related to greenhouse gas targets and inventories, and will present their recommendations to Council in December 2019 along with the Final 2017 and Preliminary 2018 Community GHG Inventories.	
M4	Eliminate emissions associated with Direct Access electricity by 2025	Seek voluntary annual disclosure of energy consumption and carbon content from each DA customer	<b>Lead Agency: SVCE</b> Silicon Valley Clean Energy already seeks voluntary disclosure from Direct Access customers purchasing 100% renewable or carbon-free electricity in their service territory to estimate annual "adjusted" Direct Access emissions. Due to privacy restrictions in state law, they cannot disclose this information by jurisdiction, nor can they identify Direct Access customers.	
		Encourage DA customers who are not already buying 100% GHG-free electricity to buy RECs to offset electricity emissions	<b>Lead Agency: State of California</b> California's Renewable Portfolio Standard applies to all electricity suppliers in California, including Direct Access providers, and requires electricity sold to be 60% from eligible renewables by 2030 and 100% from carbon-free sources by 2045.	<b>Lead Agency: City of Mountain View</b> The City is exploring options for seeking voluntary disclosure of energy sources that are consistent with State regulations regarding disclosure of energy data.
		Encourage DA customers to renegotiate their contracts to source all electricity from GHG-free sources	<b>Lead Agency: State of California</b> California's Renewable Portfolio Standard applies to all electricity suppliers in California, including Direct Access providers, and requires electricity sold to be 60% from eligible renewables by 2030 and 100% from carbon-free sources by 2045.	<i>The City will consider relevant actions pending results of voluntary disclosure measures as part of a future Action Plan. This action is complicated by the City not knowing the identity of most Direct Access customers.</i>

## Sustainability Action Plan 4 - Status of Existing and Planned Actions

Attachment 4

ESTF-2 #	Name	Component Action	Related Existing/Ongoing Initiatives	Related Planned or Proposed Initiatives
M4	Eliminate emissions associated with Direct Access electricity by 2025	Add a fee to business licenses issued beginning Jan. 1 2025 that applies to companies that purchase DA electricity but cannot demonstrate the electricity they buy is at least 95% GHG-free.	<b>Lead Agency: State of California</b> California's Renewable Portfolio Standard applies to all electricity suppliers in California, including Direct Access providers, and requires electricity sold to be 60% from eligible renewables by 2030 and 100% from carbon-free sources by 2045.	<i>The City will consider relevant actions pending results of voluntary disclosure measures as part of a future Action Plan. This action is complicated by the City not knowing the identity of most Direct Access customers.</i>
M10	Implement a knowledge resource for electrification and other sustainability actions	Partner with Silicon Valley Clean Energy and other agencies to collect and disseminate knowledge about beneficial electrification, with SVCE providing and maintaining the knowledge base and the City providing facilities for extended outreach to the community.	<b>Lead Agency: SVCE</b> SVCE is developing its Customer Resource Center, which will provide comprehensive information about electrification of buildings and vehicles.	<b>Lead Agency: City of Mountain View</b> SAP-4 contains a number of proposed outreach programs to promote electrification.
M13	Set annual GHG reduction targets for Mountain View that decline by a constant percentage	Set annual GHG emissions reduction targets that decline by a constant percentage rather than constant amount each year.	<b>Lead Agency: City of Mountain View</b> Staff are currently evaluating the ESTF-2 recommendations related to greenhouse gas targets and inventories, and will present their recommendations to Council in December 2019 along with the Final 2017 and Preliminary 2018 Community GHG Inventories.	