

**REGIONAL CCAAP DRAFT ACTIONS (GHG Mitigation Only)**

New #	Sector	Action Title	Action Description	Implementation Mechanism	Lead Entities/ Departments	Status & Notes
C1	Cross-Cutting	Develop a climate information hub	For each community or region-wide, develop a one-stop-shop climate action webpage where residents and businesses can easily access climate-related resources such as rebates, incentives, regulations, best practices, etc.	New program	SJCOG	
A1	Agriculture	Implement best management practices for manure management	Work with local, regional, and state partners to develop a program to promote best management practices for manure management, such as using aerobic dry composting systems, adding urease inhibitors to manure stockpiles, or installing on-farm digesters. Biogas is produced when manure and other organics decompose anaerobically in a digester and can be used to generate electricity, for heating, injected into the natural gas pipeline, or other purposes.	Partnerships/Outreach	County	
A2	Agriculture	Implement best management practices to improve the health and function of agricultural lands	Work with local, regional, and state partners to develop a program to promote management strategies aimed at improving the overall health and functionality of agricultural lands as a mechanism for increasing carbon sequestration and reducing GHG emissions. Examples of grazing land strategies include hedgerow planting, prescribed grazing, range planting, riparian forest buffers, silvopasture, tree/shrub establishment, windbreak/shelterbelt establishment, and more.	Partnerships/Outreach	County	
BE1	Building Energy	Upgrade public outdoor lighting	Install higher efficiency (e.g., LED) public street and traffic lights and evaluate options to pair with solar PV systems.	Local gov approval	PW	
BE2	Building Energy	Promote existing incentives for energy efficient and electric building equipment	Work with utilities to promote existing incentives and develop new incentives for energy efficient and/or electric building upgrades, such as heat pumps.	Partnerships/Outreach	CDD	
EG1	Electricity Generation	Install solar on local government properties	Install solar on local government properties and parking lots.	Local gov approval	PW	
EG2	Electricity Generation	Promote solar installations	Promote existing solar incentives, provide education/resources, and streamline the solar panel permitting process for residents and businesses.	Outreach and local gov approval	CDD	

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*	Electricity Generation	Join Community Choice Energy program (Ava Community Energy)	Join Community Choice Energy providers (e.g., Ava Community Energy) to accelerate the shift toward renewable energy and put the decision-making power into the hands of residents.	Local gov approval/public voting	Local Govs	Old action number EG3; Recommended to de-prioritize
OR1	Off-road	Promote the use of cleaner-fuel off-road equipment	Work with state and local partners to develop financial incentives for construction contractors, farmers, and/or landscapers to electrify or use low-emissions off-road fleets such as a yard equipment exchange program to exchange gasoline- or diesel-powered equipment for commercial-grade zero-emission, electric-battery powered equipment.	Partnership and local gov approval	County/SJVAPCD	
OR2	Off-road	Require cleaner-fuel off-road equipment for new development	Adopt an ordinance requiring use of only electric or zero-emission off-road equipment for all new developments.	Ordinance	Local Govs/SJVAPCD	
OR3	Off-road	Use clean-fuel off-road equipment for municipal operations	Replace municipal off-road equipment with low- or zero-emission options and require low- or zero-emissions equipment in contracts.	Local gov approval		
S1	Sequestration	Expand urban tree planting	Expand public tree planting in urban areas and develop community tree care/maintenance program. Consider increasing tree planting requirements for parking lots and streets. Work with local utilities to provide funds for street tree programs as an energy reduction measure.	Partnership, amend code/ordinance, local gov approval	PW	
S2	Sequestration	Increase public parks with natural vegetation	Increase acreage of public parks with reduced turf and increased natural landscapes and vegetation that sequesters carbon. Consider converting previously developed but underused areas to vegetated open spaces.	Local gov approval	PW	
W1	Solid Waste	Provide outreach and education on recycling and composting	Expand education and outreach efforts to promote proper recycling and composting.	Education/Outreach Program	PW	
W2	Solid Waste	Develop waste diversion and food recovery incentive and enforcement program	Develop an education, incentive, and enforcement program to ensure proper waste diversion and food recovery. The program will begin with education, outreach, and incentives before shifting to penalties for non-compliance.	Program	PW	New action from combining old actions W2 and W3

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*	Solid Waste	Provide assistance for food recovery programs	<del>Assist food service establishments, wholesale providers, and retail sources of edible food waste in donating edible food to food recovery programs. Food recovery programs collect edible foods, which would otherwise be landfilled or composted, from commercial production and distribution channels and redistribute the food for consumption by those in need.</del>	Local gov approval	PW	Old action number W2; Combined with old action number W3
*	Solid Waste	Develop waste diversion enforcement program	<del>Develop an education and enforcement program to ensure proper waste diversion and food recovery. The program will begin with education and outreach before shifting to penalties for non-compliance.</del>	Program	PW	Old action number W3; Combined with old action number W2
W3	Solid Waste	Increase construction and demolition waste diversion requirements	Amend the Municipal Code to increase diversion (i.e., reuse or recycling) of non-hazardous construction waste from disposal.	Amend Municipal Code	PW	
W4	Solid Waste	Require sustainable local government purchasing practices	Develop or update policies for local governments to reuse materials or require purchase of products with high levels of post-consumer recycled content where economically feasible in order to minimize resource consumption.	Local gov approval		
W5	Solid Waste/Wastewater	Collect and use biogas at landfills and wastewater treatment plants	Upgrade or install anaerobic digesters at landfills and/or wastewater treatment plants to combust biogas to generate electricity, use for on-site heating, upgrade to renewable natural gas for pipeline injection, or other uses.	Local gov approval	MUD	
WS1	Water Supply	Require water efficiency in new commercial developments and renovations	Require all new commercial development, including major rehabilitation, renovation, and redevelopment, to adopt best management practices for water use efficiency and demonstrate specific water conservation measures.	Reach Code/Ordinance	CDD	
WS2	Water Supply	Install smart water meters	Replace water meters with smart meters community-wide.	Program	MUD	
WS3	Water Supply	Use recycled water to supply drinking water treatment plant	Increase the amount of recycled water used for water supply instead of groundwater.	Program	MUD	

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T1	Transportation - Mode Shift/VMT Reduction	Expand and improve pedestrian network	Build more sidewalks, improve sidewalk maintenance, and widen key sidewalks to provide space for outdoor seating and new tree plantings while protecting existing trees.	Local gov approval	PW/SJCOG	Combined with old action number T8
T2	Transportation - Mode Shift/VMT Reduction	Expand bike networks and facilities	Develop and maintain bikeways on separate rights-of-way. Require dedication of adequate right-of-way for bicycle use in new arterial and collector streets, and where feasible, in street improvement projects. Require safe and secure bicycle parking facilities to be provided at major activity centers such as public facilities, employment sites, and shopping and office centers, along with showers and lockers for major employment sites.	Local gov approval	CDD/PW/SJCOG	Combined with old action number T8
*	<del>Transportation - Mode Shift/VMT Reduction</del>	<del>Expand electric bikeshare program</del>	<del>Building on Bike Stockton's Electric Bikeshare program, expand the fleet size and coverage beyond the current zones.</del>	<del>Partnership and local gov approval</del>	<del>SJCOG/PW</del>	<del>Old action number T3; Recommended to de-prioritize</del>
T3	Transportation - Mode Shift/VMT Reduction	Develop and implement Safe Routes to School Plans	Create and/or maintain Safe Routes to School (SR2S) plan and implement programs. SR2S provides federal funding for new sidewalks, bike lanes, off-street pathways, and street crossings to help children use active modes of transportation to get to school. Work with local school districts to implement pedestrian crossing enhancements like stop signs within neighborhoods around schools, encourage activities like a walking school bus, and create educational programs that teach students bicycle safety.	Program	PW/SJCOG	
T4	Transportation - Mode Shift/VMT Reduction	Establish a school bus program	Create and maintain a school bus program by identifying student transportation needs, coordinating with school districts and/or transit providers, and designing safe, efficient routes. The program should prioritize underserved areas that lack transit access, secure funding (e.g., grants or partnerships), and use low-emission vehicles where possible.	Local gov approval		
T5	Transportation - Mode Shift/VMT Reduction	Improve transit service and frequency	Partner with transit agencies and communities to expand routes, increase frequency on key routes, improve reliability, and enhance service, especially in underserved areas.	Partnership and local gov approval	SJCOG/Transit Agencies	

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T6	Transportation - Mode Shift/VMT Reduction	Provide transit passes and incentives	Create a program to provide subsidized/discounted or free transit passes for employees and residents, and expand the free youth transit program currently offered by RTD to cover more school districts and grades. Subsidized and discounted transit programs increase the capacity of low-income populations to use transit to evacuate or access resources during an extreme weather event.	Partnership and local gov approval	SJ RTD	
*	Transportation - Mode Shift/VMT Reduction	Provide last-mile solutions to transit (e.g., active transport infrastructure)	Support bike and pedestrian infrastructure, sheltered stops, bicycle parking, bike-share, mobility hubs, and other amenities that make the connections to and from transit stops safer and easier. Engage stakeholders to design improvements that enhance last-mile access to transit.	Local gov approval	CDD/PW/SJCOG	Old action number T8; Combined with actions T1 and T2
T7	Transportation - Mode Shift/VMT Reduction	Expand carpool/vanpool and carshare programs	Identify funding to expand regional transportation demand management (TDM) program to provide vanpool and carpool options and to expand MioCar program.	Partnership and local gov approval	SJCOG	
T8	Transportation - Mode Shift/VMT Reduction	Support rail expansion	Pursue and support regional rail expansion for Altamont Commuter Express (ACE) and Amtrak's San Joaquin intercity rail service (e.g., new ACE stations, connecting to BART, connecting rail corridors, etc.).	Local gov approval	Local Govs/Transit Agencies	
T9	Transportation - Mode Shift/VMT Reduction	Incentivize infill development	Develop and implement a program to encourage infill development through tools such as expedited permitting, adjusted fee structures, targeted infrastructure investment, property maintenance incentives, and accessory dwelling unit (ADU) incentives. Define and prioritize infill categories by land use type and density or intensity. Incorporate VMT streamlining for infill development across all cities. This action focuses growth in already-developed areas with existing active transportation and transit network.	Local gov approval	CDD	

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T10	Transportation - Mode Shift/VMT Reduction	Establish Transit-Oriented Development (TOD) overlay zones	Create Transit-Oriented Development (TOD) overlay zones to encourage high-density residential—including affordable and mixed-income housing—and mixed-use projects in compact, walkable areas with easy transit access. Incorporate VMT screening for TOD and affordable housing and streamline local transportation analyses. Require new developments to include safe, accessible transit features such as pedestrian and bike connections, sheltered stops, mobility hubs, and park-and-ride facilities.	Amend Code/Develop Ordinance	CDD	
*	Transportation - Mode Shift/VMT Reduction	Revise parking standards (shared parking, preferred parking, etc.)	<del>Revise the Development Code and/or Zoning Ordinance to encourage shared parking, require preferential parking for high occupancy vehicles (HOV), and reduce/eliminate minimum parking standards and introduce parking maximums in mixed-use zones. This action limits excess parking supply, discouraging car use and encouraging alternative travel modes.</del>	<del>Amend Code/Develop Ordinance</del>	<del>GDD</del>	Old action number T13; Recommended to de-prioritize
T11	Transportation - Mode Shift/VMT Reduction	Improve traffic signaling	Maintain and periodically update a schedule for synchronizing traffic signals along arterial streets and freeway interchanges to facilitate the safe and efficient movement of people and goods and to provide signal priority for transit vehicles at intersections. Continue to implement a comprehensive signal coordination program for key routes, implement bus priority signaling, and work with Caltrans and SJCOG to implement ramp metering to reduce congestion (e.g., on Interstate 205 in Tracy).	Local gov approval	PW	
T12	Transportation - Mode Shift/VMT Reduction	Create community-based travel education program	Create a community-based travel education program by partnering with third party organizations (such as CBOs) to identify and provide transportation education sessions. This program will provide households with customized information, incentives, and tools to encourage the use of non-automobile transportation modes. This program can also be operationalized through Community Mobility Hubs (as described in the San Joaquin Regional Mobility Hub Plan).	Partnership and local gov approval	Access San Joaquin/Non-profits (e.g. CBOs that offer transit benefits, VMRC)	
T13	Transportation - Mode Shift/VMT Reduction	Incorporate TDM elements in plan review process	Incorporate transportation demand management (TDM) elements into new development projects as part of plan review process (e.g., bike racks, shared lockers, etc.).	Ordinance/Municipal Code	Local gov	

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T14	Transportation - ZEVs	Convert municipal fleets to cleaner fuels	Transition municipal fleets to low- or zero-emission vehicles.	Local gov approval		
T15	Transportation - ZEVs	Convert buses to cleaner fuels	Replace school bus and transit fleets with low or zero emissions options.	Local gov approval		
T16	Transportation - ZEVs	Provide public EV chargers	Provide public EV charging, prioritizing Level 3 chargers.	Local gov approval	PW	
*	<del>Transportation - ZEVs</del>	<del>Install Hydrogen fueling infrastructure</del>	<del>Install accessible hydrogen fuel cell fueling infrastructure for drivers of fuel cell electric vehicles (e.g., individual passenger vehicles, haul truck fleets).</del>	Local gov approval	Local govs	Old action number T20; Recommended to de-prioritize
T17	Transportation - ZEVs	Develop a regional clean freight plan	Develop a regional freight plan that can help identify and prepare local freight corridors for zero-emission vehicle deployment to support climate goals, attract funding and investments, improve air quality, and enhance the efficiency and sustainability of freight movement.	Local gov approval	Local govs/SJCOG	
T18	Transportation - ZEVs	Develop warehouse freight truck clean fuel requirements in new projects	Establish zero emission vehicle requirements or thresholds as part of permitting and land use approval process for new warehouse projects.	Local gov approval		