

Working Draft List of Potential CVAG GHG Reduction Measures

Comprehensive Climate Action Plan

Draft, 07/19/2024

Below is a working draft list of potential measures to include in the CVAG Comprehensive Climate Action Plan (CCAP) for the municipalities within CVAG. This list is not the proposed list to include in the CCAP. This is, if you will, a “shopping list” that individual jurisdiction can use to identify the measures that are appropriate to include for their community. This list can also be used to solicit input from others within each community and from stakeholders. It is requested that you consider this list and provide feedback back to Jacob Alvarez (jalvarez@cvag.org) at CVAG with a cc to Jakub Zielkiewicz (Jakub.Zielkiewicz@icf.com) at ICF by no later than **August 9, 2024**.

Please note that in the tables below, when it says “Similar to” other measures, these measures are listed in the Priority Climate Action Plan (PCAP) prepared for SBCOG, WRCOG, and CVAG earlier this year. See the [PCAP](#) for descriptions.

Thank you for your assistance in providing your input and developing a CCAP that works for all CVAG jurisdictions:

Please provide the following information:

Jurisdiction: **City of Palm Desert** _____

Person Who Filled this Template Out: **Amy Lawrence** _____

Date Completed: **August 8, 2024** _____

Other comments/questions (Please provide below):

Building Energy

<i>Building Weatherization, Electrification, and Energy Efficiency Measures</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Weatherization	Cool Roofs, Cool Pavements, and/or Green Roofs	Install and retrofit roofs with cool and/or green roofs to reduce urban heat island effects and lower energy consumption. Install cool pavements to reduce urban heat island effects.	WRCOG LE-7 SBCOG Energy-1 CVAG RE-1		
Weatherization	HVAC Maintenance Program	Provide HVAC check-ups to ensure the systems are optimally operating and not leaking CFCs	WRCOG LE-3 SBCOG Energy-1	YES	
Weatherization	Shade Installation	Install awnings or blackout UV window shades to reduce direct sunlight into buildings	WRCOG LE-3 SBCOG Energy-1	YES	
Weatherization	Duct testing/sealing, and/or new ducts, returns, and registers	Conduct testing/sealing of air leaks in conjunction with installation of a ducted heat pump (required)	SBCOG Energy-1 PCAP Building Decarbonization Indio CAP	YES	
Weatherization	Roofline Insulation/attic encapsulation	Insulate roof rafter cavities.	SBCOG Energy-1 PCAP Building Decarbonization		
Weatherization	Solar Window Film	Install solar window film that is certified by the National Fenestration Rating Council	SBCOG Energy-1	YES	
Energy Efficiency	LED bulbs and fixtures	Replace interior and exterior incandescent, compact fluorescent, halogen, and T12 linear fluorescent bulbs.	SBCOG Energy-3	YES	

<i>Building Weatherization, Electrification, and Energy Efficiency Measures</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Energy Efficiency	Smart Thermostat	Install occupant controlled smart thermostats for buildings with central heating and cooling systems	WRCOG LE-3 SBCOG Energy-1	YES	
Energy Efficiency	Appliance Upgrades	Replace and install Energy Star appliances	WRCOG LE-3 SBCOG Energy-1	YES	
Energy efficiency	Low-flow showerheads and faucets	Upgrade showerheads and water faucets to be more water efficient	SBCOG Energy-1 PCAP Building Decarbonization	YES	
Energy Efficiency	Commercial Benchmarking	Promote or require commercial benchmarking	Indio CA-1		
Electrification	Heating and cooling	Install/replace gas-fired or electric resistance heating and cooling equipment with highest efficiency tier heat pump (space heating and cooling water heater)	WRCOG LE-3 SBCOG Energy-1 SBCOG Energy-3 PCAP Building Decarbonization	YES	
Electrification	Appliances	Replace gas-fired appliances with electric (ranges, cooktop, clothes dryers)	SBCOG Energy-3 PCAP Building Decarbonization	YES	

Renewable Energy Generation

Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Solar Power	Commercial Solar Installation	Establish a goal for solar installations on new commercial development	SBCOG Energy-4 Coachella CAP Indio CAP Palm Springs CAR		
Solar Power	Residential Solar Installation	Increase solar installations on existing single-family homes	SBCOG Energy-6 Coachella CAP Indio CAP Palm Springs CAR		
Solar Power	Warehouse solar	Promote and incentivize solar installation on existing and new warehouse space	SBCOG Energy-5 Coachella CAP Indio CAP Palm Springs CAR		
Energy Storage	Solar PV + Battery Storage Installation	Install right-sized battery storage on homes with solar or during PV installation.	PCAP Building Decarbonization		
Renewable Energy	Community Choice Aggregation	Create, support, or join a Community Choice Aggregation program to increase	WRCOG LE-2 Coachella SNE 2.4 Murrieta BE-1		

Waste

<i>Solid Waste</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Resource Efficiency	Construction and Demolition Waste Diversion	Adopt a construction and demolition waste recovery ordinance that meets or exceeds the CALGreen voluntary guidance of 65-75 percent reduction in nonhazardous waste	Coachella IPS 5.12 Indio IA-4 SBCOG Waste-1	YES	
Waste Diversion	Solid Waste Diversion and Recycling Zero Waste Multifamily Recycling and Composting	Adopt citywide waste goals to divert waste Support zero waste programs and circular economy initiatives; support education around refuse and reuse. Conduct outreach and provide technical assistance to multifamily buildings and implement recycling and composting.	Coachella CAP (multiple) SBCOG Waste-1 Indio IA-5	YES	
Waste Diversion	Organics Diversion: Food Share Programs/ Organics Collection/Processing Programs	Pilot a food share/food recovery program	Indio IA	YES	

Agriculture

<i>Agriculture</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Renewable Energy	Solar Agriculture Water Pumps On-farm renewable energy generation	Identify and replace diesel water pump generators with solar water pumps. Increase renewable energy generation at agriculture sites to reduce reliance on fossil fuels for electricity and machinery.			
Electrification/Energy Efficiency	Diesel engine conversions	Convert diesel engines for tractors and other ag machinery to natural gas or battery, if suitable			
Carbon sequestration	Carbon farming/Regenerative agriculture	Management of farmland so that soils absorb and hold more carbon			
Local Food Production	Local Agriculture and Community Gardens	Support local farms, community gardens, and sustainable food production	WRCOG LA-1	YES	

<i>Urban and Rural Forestation and Natural Vegetation</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Energy Conservation	Shade Trees	Strategically plant trees to reduce the urban heat island effect. Use native and drought-resistant species.	WRCOG LE-6; SBCOG Land Use-2 Coachella SNE 4.01, 1.11	YES	
Carbon sequestration	Reforestation	Regional reforestation that increases carbon sequestration			
Carbon sequestration	Green infrastructure	Urban forests and other large scale green infrastructure that increases carbon sequestration	Coachella SNE 4.01, 1.11		
Land Conversion	Protect vegetated lands in sparsely vegetated areas	Prevent conversion of vegetated lands in deserts to other land types; Prevent disturbance of soil; restore native plants and remove non-native grasses	https://resources.ca.gov/-/media/CNRA-Website/Files/Initiatives/Expanding-Nature-Based-Solutions/CNRA-Report-2022---Final_Accessible.pdf	YES	

Wastewater

<i>Wastewater</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Energy Recovery	Methane Recovery	Capture fugitive emissions that are emitted during the wastewater treatment process.	SBCOG Wastewater-1		
Energy Efficiency	Equipment Upgrades	Upgrade and replace wastewater treatment and pumping equipment to be more energy efficient.	SBCOG Wastewater-2		

Water

Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Decrease Carbon Intensity of Delivered Water	Increase Recycled Water Use	Expand the available water supply through water recycling and reuse infrastructure	WRCOG LW-1 Coachella SNE-3.5 Indio Existing Policy	YES	
Water Conservation	Water Conservation Mandates, Programs, and Education	Expand on/enforce existing water conservation ordinances for buildings and landscaping Reduce indoor and outdoor water consumption through education and outreach, and/or promotion of conservation programs. Adopt voluntary CALGREEN water efficiency measures for existing buildings	WRCOG SW-1 SBCOG Water-1 SBCOG Water-3 Coachella CAP Coachella SNE-3.5 Indio CAP	YES	

On-Road

<i>On-Road</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Reduce Tailpipe Emissions	Decarbonize Goods Movement	Reduce emissions associated with heavy and medium duty vehicles, trains, and cargo handling	PCAP Regional Measure		
Reduce Tailpipe Emissions	Light Duty Electric Vehicle Infrastructure	Expand the availability of publicly accessible EV charging stations throughout the region Promote Neighborhood Electric Vehicles and other electric-powered micromobility solutions	PCAP Regional Measure WRCOG LT-10 and RT-3 SBCOG On Road-5 Indio Mobility Element	YES	
Reduce Tailpipe Emissions	Traffic Signal Coordination	Incorporate technology to synchronize and coordinate traffic signals along local arterials.	WRCOG LT-6; SBCOG On Road-3 CVSync	YES	
Reduce Tailpipe Emissions	Express Lanes	Add express lanes along major freeways in the CVAG subregion	WRCOG LT-12		
Reduce Tailpipe Emissions	Transition City/Agency Fleets to ZEVs	Purchase low- or zero-emission vehicles as vehicles are retired from service	Local CAPs	YES	

<i>On-Road</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
VMT Reduction – Mode Shift	Transportation Demand Management	<p>Implement transportation demand management strategies and programs such as commuter benefit programs and promoting telecommuting and remote work programs.</p> <p>Ride Share and Carpool programs</p> <p>Major event shuttles; coordinated regional bus service</p>	<p>WRCOG RT-2</p> <p>WRCOG LT-3</p> <p>Coachella CAP</p> <p>SBCOG On Road-2</p> <p>Indio Mobility Goal 7</p>	YES	
VMT Reduction - Active Transportation/Mode Shift	Bicycle and Micro-mobility Infrastructure Improvements	Expand on-street and off-street bicycle and micro-mobility infrastructure, including bicycle lanes and bicycle trails. Expand bike sharing programs.	<p>WRCOG LT-1</p> <p>SBCOG On Road-4</p> <p>Local CAPs</p>	YES	

<i>On-Road</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
VMT Reduction - Active Transportation/Mode Shift	Pedestrian Infrastructure Improvements	Expand and improve pedestrian infrastructure, including sidewalks, crosswalks, and pedestrian signals, through implementation of an Active Transportation Plan, Safe Routes to School Plan and/or similar plan.	WRCOG LT-2 Indio Mobility Action 1,2, 7	YES	
VMT Reduction - Parking	Parking Pricing and Limited Requirements	Price public parking in central business districts/employments centers/retail centers; Amend zoning codes to reduce requirements for vehicle parking in new development projects.	WRCOG LT-4 Coachella LU&T Indio Mobility Goal 8, Action 6		
VMT Reduction - Mode Shift	Increase Transit Service and Frequency	Collaborate with regional transit providers to increase transit service and frequency provided in the subregion.	WRCOG LT-5 Indio Mobility Goal 4 Palm Springs CAR Coachella LU & T	YES	

<i>On-Road</i>					
Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
VMT Reduction	Increase Housing Density	Increase the density of planned housing units within the region, especially near transit and job centers.	WRCOG LT-7 Indio LUA-11		
VMT Reduction	Increase Land Use Diversity	Provide for a variety of development types and uses, especially near transit and job centers.	WRCOG LT-8 Indio LUA 2,4, 6 and 9	YES	
VMT Reduction	Transit Oriented Development	Place new developments in close proximity to transit services.	WRCOG LT-9 Indio 2019 CAP		Notes: there are plans for Indio to get a MetroLink station

Off-Road

Category	Measure	Details	Similar to	Include for your Municipality?	Comments from Municipality
Fuel switch - electrification	Electric-Powered Construction Equipment Electric Landscaping Equipment	Establish a goal for construction equipment to utilize electricity as power. Adopt an ordinance that reduces gasoline or diesel-powered landscaping equipment use.	SBCOG Off Road-1 SBCOG Off Road-3 Palm Spring CAR		

Reduce Tailpipe Emissions	Idling Ordinance	Adopt an ordinance that limits idling for heavy-duty construction equipment.	SBCOG Off Road-2 Indio Mobility Action 8		
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