

STATION 5A



Transportation

The City is soliciting feedback on different potential measures to include in the CAP update. Provided below is a set of transportation-related options to consider. The table below provides a general reduction strategy, an area of focus, suggested actions, and the amount of reduction expected from each action. Please note that the reduction estimate ranges from very-low to low, medium, high, and very-high. (Graphic logos were used to show the degree of reduction potential.) Several factors can affect the calculation of an emissions reductions estimate for each sector. Although a combination of measures identified in this section are expected to achieve the targeted emission reductions; the nature, location, timing, size and other characteristics of future implementation may vary widely, which will be discussed in greater detail for public feedback at a future public workshop.

GHG Reduction Strategy	Strategy Focus Area	Examples of Typical Policies and Actions	Estimated Reduction Potential	Public Feedback (Dot Placement)
GHG Emissions Category: Transportation				
Increase Zero Emission and/or Alternative Fuels	Construction/Landscape/Waste hauler Vehicles/Equipment	<ul style="list-style-type: none"> Encourage use of biogas or electric equipment Mandate conversion of diesel/gasoline construction and/or landscape equipment to biogas or electric 		
	Zero Emission/Alternative Fuel Infrastructure	<ul style="list-style-type: none"> Identify and prepare city-wide biofuel and charging station siting plan and advertise the locations Install EV charging and other alternative fuel stations 		
	Preferred Parking	<ul style="list-style-type: none"> Provide preferred parking for low emission vehicles in parking structures/ street parking 		
Reduce Fuel Use	Transportation Systems Management (TSM)	<ul style="list-style-type: none"> Install roundabouts in appropriate areas 		
Vehicle Miles Traveled (VMT) Reduction	Transportation Demand Management (TDM)	<ul style="list-style-type: none"> TDM outreach and education on options to reduce travel demand and optimize transportation modes Identify employers to connect to vanpools, carpools through SANDAG iCommute program Implement and incentivize carpools and vanpools Increase telecommuting – work with SANDAG to implement the program Adopt TDM ordinance specifying trip type goals for new development projects 		
	Transit systems	<ul style="list-style-type: none"> Implement a local shuttle service system in the downtown area to reduce single occupancy vehicle use 		
		<ul style="list-style-type: none"> Install additional transit-only lanes Increase public transit routes and/or route frequency to increase mode share 		
		<ul style="list-style-type: none"> Provide park and ride lots at transit stations and facilitate their use to increase shared-car commuting 		
	Active Transportation (Walking)	<ul style="list-style-type: none"> Develop pedestrian plan for more sidewalks Update trails master plan to increase new connection points and improve accessibility 		
		<ul style="list-style-type: none"> Pedestrian improvements (link walkable areas, safety features/shade/crosswalks etc.) Implement pedestrian-only and safe routes to school zones 		
Active Transportation (Biking)	<ul style="list-style-type: none"> Adopt ordinance to require new developments and some retrofits to install bike racks and other supportive amenities like showers 			
Complete Streets	<ul style="list-style-type: none"> Design streets to provide for all users - cars, bicycles, walkers, and transit users 			

STATION 5B



Building Energy

The City is soliciting feedback on different potential measures to include in the CAP update. Provided below is a set of building energy-related options to consider. The table below provides a general reduction strategy, an area of focus, suggested actions, and an amount of emission reduction anticipated. Please note that the reduction estimate ranges from very-low to low, medium, high, and very-high. (Graphic logos were used to show the degree of reduction potential.) Several factors can affect the calculation of an emissions reductions estimate for each sector. Although a combination of measures identified in this section are expected to achieve the targeted emission reductions; the nature, location, timing, size and other characteristics of future implementation may vary widely, which will be discussed in greater detail for public feedback at a future public workshop.

GHG Reduction Strategy	Strategy Focus Area	Examples of Typical Policies and Actions	Estimated Reduction Potential	Public Feedback (Dot Placement)
GHG Emissions Category: Energy				
Zero Net Energy	Zero Net Energy (ZNE)	<ul style="list-style-type: none"> Implement an ordinance requiring new commercial buildings achieve ZNE standards 		
Increase Energy Efficiency / Conserve Energy	Education	<ul style="list-style-type: none"> Encourage energy audits in existing homes (single- and multi-family) and commercial buildings upon sale or major renovation Encourage energy efficiency improvements through rebates or incentives 		
	Retrofits	<ul style="list-style-type: none"> Implement an ordinance requiring energy audits for residential and commercial buildings at time of major renovation or sale Adopt an energy benchmarking ordinance 		
	Smart Meters & Appliances	<ul style="list-style-type: none"> Policies to promote the installation of smart appliances that interface with smart meters at homes and business 		
	Municipal Retrofits	<ul style="list-style-type: none"> Use SANDAG Energy Roadmap and implement measures in municipal facilities, such as light replacement programs or more efficient ventilation systems 		
Increase Renewable Energy	Municipal on-site renewable energy	<ul style="list-style-type: none"> Increase on site renewable energy generation 		
	City-wide renewable supply	<ul style="list-style-type: none"> Adopt policies to increase renewables in electricity beyond state mandate of 50% by 2030 		
	Behind the Meter Renewable Supply	<ul style="list-style-type: none"> Promote PV in existing buildings (residential and non-residential) and surface parking areas, such as to reduce/waive permit fees 		
	Water Heating	<ul style="list-style-type: none"> Require installation of solar or tankless hot water heaters in existing and new residential and non-residential buildings 		

STATION 5C



Water, Waste, and Carbon Sinks

The City is soliciting feedback on different potential measures to include in the CAP update. Provided below is a set of water, waste, and carbon sinks-related options to consider. The table below provides a general reduction strategy, an area of focus, suggested actions, and an amount of emission reduction anticipated. Please note that the reduction estimate ranges from very-low to low, medium, high, and very-high. (Graphic logos were used to show the degree of reduction potential.) Several factors can affect the calculation of an emissions reductions estimate for each sector. Although a combination of measures identified in this section are expected to achieve the targeted emission reductions; the nature, location, timing, size and other characteristics of future implementation may vary widely, which will be discussed in greater detail for public feedback at a future public workshop.

GHG Reduction Strategy	Strategy Focus Area	Examples of Typical Policies and Actions	Estimated Reduction Potential	Public Feedback (Dot Placement)
GHG Emissions Category: Water & Wastewater				
Increase Recycled, Reclaimed & Grey Water	Recycled, Reclaimed & Grey Water	<ul style="list-style-type: none"> Adopt an ordinance to facilitate greywater systems (e.g., pre-plumbing requirements for new residential and commercial buildings) 		
	Outdoor Water Use	<ul style="list-style-type: none"> Provide education on pool covers to pool owners Adopt an ordinance allowing weather-based irrigation systems and encourage installation or rain barrels and rain catchment systems Update landscape water conservation ordinance including, for example, water budgets 		
Water Conservation	Indoor Water Use	<ul style="list-style-type: none"> Mandate installation of high efficiency fixtures at time of sale or renovation Implement an ordinance requiring water use audits at time of sale or major renovation 		
	Municipal Water Use	<ul style="list-style-type: none"> Install high efficiency fixtures at municipal facilities and hydrozone landscapes at municipal facilities and parks 		
	Rate Structures	<ul style="list-style-type: none"> Implement water rate increases 		
	Methane Capture	<ul style="list-style-type: none"> Increase methane capture at wastewater treatment plants 		
Water Utility Improvements	Facility improvements	<ul style="list-style-type: none"> Identify water utility efficiencies Identify and address leaks 	UNKNOWN	
GHG Emissions Category: Solid Waste				
Solid Waste Reduction & Increased Recycling	Solid Waste Reduction & Increased Recycling	<ul style="list-style-type: none"> Adopt a zero-waste landfill policy 		
		<ul style="list-style-type: none"> Implement a composting ordinance 		
		<ul style="list-style-type: none"> Implement a community garden ordinance 		
GHG Emissions Category: Carbon Sequestration				
Trees & Open Space	Easements	<ul style="list-style-type: none"> Encourage conservation easements to retain vegetation that capture and store carbon as they grow 		
	Shade Trees	<ul style="list-style-type: none"> Implement an ordinance requiring new development and/or major renovation projects to plant shade trees Update City street tree guidelines and/or landscaping ordinances to include planting shade trees where appropriate 		
	Urban Forest	<ul style="list-style-type: none"> Implement an urban forestry or City-wide tree planting program 		

STATION 5D



Things That The City Is already Doing

The City is soliciting feedback on different potential measures to include in the CAP update - refer to Boards 5A, 5B, and 5C.

The table below provides a list of policies and actions that the City is already doing. The CAP update will account for these existing activities. Although a combination of measures identified in this section are expected to achieve the targeted emission reductions; the nature, location, timing, size and other characteristics of future implementation may vary widely, which will be discussed in greater detail for public feedback at a future public workshop. The following list of existing policies and actions is provided for informational purposes only. No public feedback is requested at this time.

GHG Reduction Strategy	Strategy Focus Area	Existing Policies and Actions	Estimated Reduction Potential
Increase Zero Emission and/or Alternative Fuels Reduce Fuel Use	Government Fleet	<ul style="list-style-type: none"> Develop a fleet management program to convert city fleet from diesel/gasoline to alternative-fuels (biodiesel/electric/fuel cell) 	 
	Transportation Systems Management (TSM)	<ul style="list-style-type: none"> Feasibility study to manage and reduce congestion Build out the Circulation Element roadway network, such as completing Citracado Parkway Implement traffic light synchronization 	    
VMT Reduction	Active Transportation (Walking)	<ul style="list-style-type: none"> Increase sidewalk areas 	 
	Active Transportation (Biking)	<ul style="list-style-type: none"> Increase bike lane miles 	 
	Transit Systems	<ul style="list-style-type: none"> Install transit-only lanes 	 
	Smart Growth Development	<ul style="list-style-type: none"> Increase housing (density) projects near transit 	  
Increase Energy Efficiency / Conserve Energy	Retrofit Agency Coordination	<ul style="list-style-type: none"> Work with other agencies (such as the school districts and hospital) to implement energy efficiency or conservation measures in their facilities 	 
Increase Recycled, Reclaimed & Grey Water Water Conservation	Recycled, Reclaimed & Grey Water	<ul style="list-style-type: none"> Continue to install "purple" pipe to access recycled water for landscaping (e.g., MFRO facility) 	 
	Indoor Water Use	<ul style="list-style-type: none"> Provide outreach and education on high efficiency fixtures 	