Proposed Greenhous Gas Reduction Measures

Strategy 1: Building Decarbonization		
Proposed Measure	**Measure Description**	**GHG reductions**
BD-1: Require Existing Residential Development Energy Efficiency	Readopt existing residential energy efficiency building code requirement ("reach code") via ordinance for each 3-year State Building Code cycle, if cost effective.	Low
BD-2: Require New Residential Development Decarbonization	Adopt a decarbonization building code requirement ("reach code") via ordnance for new residential development each 3-year State Building Code cycle, if cost effective.	Medium
BD-3: Require Existing Nonresidential Development Energy Efficiency	Readopt existing nonresidential energy efficiency building code requirement ("reach code") via ordinance for each 3-year State Building Code cycle, if cost effective.	Not Quantified
BD-4: Require New Nonresidential Development Decarbonization	Adopt new nonresidential building code requirement ("reach code") via ordinance for each 3-year State Building Code cycle, if cost effective.	High
BD-5: Decarbonize Existing Buildings	Develop and implement a comprehensive set of studies, programs, regulations, and incentives to work towards decarbonizing the existing building stock.	High
MBD-1: Implement Energy Efficiency and Decarbonization Projects at Municipal Facilities	Install energy efficiency measures and electric appliances and equipment at all municipal facilities.	Low
MBD-2: Convert all City-Owned Lighting to LED	Install LED lighting for all City-owned street, traffic, and outdoor light fixtures	Low

Strategy 2: Renewable Energy		
Proposed Measure	Measure Description	GHG reductions
RE-1: Maintain Membership in San Diego Community Power	Continue to offer Power100 has the primary electricity rate for Encinitas customers and maintain participation rate through outreach and education.	High
RE-2: Require Existing Nonresidential Buildings to	Adopt existing nonresidential solar photovoltaic building code requirement	Medium

Install Solar Photovoltaic Systems	("reach code") via ordinance for each 3-year State Building Code cycle.	
MRE-1: Install Microgrids with On-Site Renewable Energy and Storage at Municipal Facilities	Complete a feasibility study and install on-site renewable microgrids at suitable municipal facilities.	Low

Strategy 3: Water Efficiency		
Proposed Measure	Measure Description	GHG reductions
WE-1: Support Local Water Districts' Water Conservation Efforts	Support San Dieguito Water District and Olivenhain Municipal Water District in educating residents and businesses on the importance of water conservation and their offer incentives to reduce water use.	Medium
WE-2: Require New Single-Family Homes to be Pre-Plumbed for Greywater Systems	Continue to implement the existing building code requiring new single-family homes to be pre-plumbed for the installation of future greywater systems and readopt the code requirement ("reach code") via ordinance for each 3-year State Building Code cycle.	Low

Strategy 4: Clean & Efficient Transportation		
Proposed Measure	Measure Description	GHG reductions
CET-1: Implement the Active Transportation Plan	Continue to implement the City's Active Transportation Plan based on the Modal Alternatives Project (MAP, i.e. ATP Implementation Plan) project prioritization list.	Low
CET-2: Implement a Flexible Fleet Program	Conduct a study to determine the ideal flexible fleet or microtransit system for the City and implement the recommended system.	Low
CET-3: Improve Traffic Flow	Improve traffic flow by retiming traffic lights and installing roundabouts at select intersections throughout the City.	Medium
CET-4: Require Existing Residential Buildings to be Electric Vehicle Ready	Continue to implement the existing building code requiring new residential buildings to be electric vehicle charging ready (EV Ready) and readopt the code requirement ("reach code") via ordinance for each 3-year State Building Code cycle, as applicable.	Not Quantified

CET-5: Require Nonresidential Electric Vehicle Charging Stations	Continue to implement the existing building code requiring nonresidential electric vehicle (EV) charging and readopt the code requirement ("reach code") via ordinance for each 3-year State Building Code cycle, as applicable.	Not Quantified
CET-6: Install Public Electric Vehicle Charging Stations	Install publicly available electric vehicle (EV) charging stations in municipally owned parking lots and encourage nonresidential property owners to install EV charging stations.	Not Quantified
CET-7: Require Transportation Demand Management Programs for New Nonresidential and Major Redevelopment Projects	Require new nonresidential developments and major nonresidential redevelopments to create and implement transportation demand management strategies to mitigate traffic impacts of the project.	High
MCET-1: Transition to Zero Emission Vehicle Municipal Fleet	Continue to convert gasoline-fueled cars and light-duty trucks to Zero Emission Vehicles (ZEV) and purchase renewable diesel for all diesel-fueled heavy-duty trucks.	Low
MCET-2: Implement a Municipal Employee Transportation Demand Management Program	Develop and implement a program to incentivize City employees to commute to work via alternative transportation as a model for other local employers.	Low

Strategy 5: Off-Road Transportation		
Proposed Measure	Measure Description	GHG reductions
OR-1: Limit Use of Gas-Powered Leaf Blowers	Continue to enforce Encinitas Municipal Code 11.28 regulating the use of gas-powered leaf blowers.	
OR-2: Limit Use of Gas-Powered Landscape Equipment	Develop incentive and outreach programs to accelerate the transition to electric landscaping equipment.	Medium

Strategy 6: Zero Waste		
Proposed Measure	Measure Description	GHG reductions
ZW-1: Implement a Zero Waste Program	Implement a Zero Waste Program to reduce waste disposal and encourage the recycling of traditional and organic waste by residents and businesses in the community.	High

Strategy 6: Carbon Sequestration		
Proposed Measure	Measure Description	GHG reductions
CS-1: Establish a Tree Canopy Goal for the City	Evaluate the City's current urban tree canopy and establish a goal for increasing the canopy cover.	Not Quantified
CS-2: Enforce Landscape Tree Requirements at New Developments	Continue to implement the City's current tree and landscape requirements.	Low
CS-3: Incentivize Tree Planting on Private Property	Incentivize tree planting on private property through a free tree giveaway program.	Low
MCS-1: Plant and Maintain City Trees	Plant and maintain City trees in accordance with the City's Urban Forest Management Plan.	Low