

Strategy Summary Table

Education +Public Outreach Objectives						
Page	Objective/Strategy Name	Emissions Reduction (CO2EMT)	Phasing	Co-Benefits	Related Strategies	Strategy Icons
	Objective EO-1: Increase Public Awareness and Education About Climate Change	Not Applicable		Community engagement		
21	Strategy EO-1.1. Update and Maintain Sustainable Development Website	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.4. Theme of the Month · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs · Strategy T-7.1. Carpool Program · Strategy T-8.1. Encourage Local Businesses to Use Alternative Fuel Vehicles · Strategy SW-2.3. Construction and Demolition Recycling Programs · Strategy P-7.1. Community Gardens in City Parks and Underutilized Sites 	Public Outreach, Carbon Sequestration
22	Strategy EO-1.2. Sustainability Awards Programs	Not Applicable		Community engagement		Public Outreach

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22	Strategy EO-1.3. Educational Workshops	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.4. Theme of the Month · Strategy EO-1.12. Demonstration Gardens · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs · Strategy E-4.1. Increase Wind Energy Generation within City Limits · Strategy T-8.1. Encourage Local Businesses to Use Alternative Fuel Vehicles · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures · Strategy B-4.4. Educate Property Owners, City Commissions, Local Contractors, and Suppliers · Strategy WW-1.1. Cash for Grass Rebate Program · Strategy SW-1.2. Establish Education Program for City Staff · Strategy SW-2.1. Community-Wide Composting Program 	Public Outreach
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22	Strategy EO-1.4. Theme of the Month	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.1. Update and Maintain Sustainable Development Website · Strategy EO-1.3. Educational Workshops · Strategy EO-1.8. Informational Kiosks and Info Displays at City Facilities · Strategy EO-1.6. Create a Center for Sustainability at a City Facility 	Public Outreach
23	Strategy EO-1.5. Eco/Sustainable art exhibitions	Not Applicable		Community engagement		Public Outreach
23	Strategy EO-1.6. Create a Center for Sustainability at a City Facility	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.4. Theme of the Month · Strategy EO-1.8. Informational Kiosks and Info Displays at City Facilities · Strategy B-1.1. LEED Certification for Municipal Projects 	Public Outreach
23	Strategy EO-1.7. Increase “Green” Book Collection at Benicia Public Library	Not Applicable		Community engagement		Public Outreach
23	Strategy EO-1.8. Informational Kiosks and Info Displays at City Facilities	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.4. Theme of the Month · Strategy EO-1.6. Create a Center for Sustainability at a City Facility · Strategy B-1.1. LEED Certification for Municipal Projects 	Public Outreach
24	Strategy EO-1.9. Utilize Public Access Television	Not Applicable		Community engagement		Public Outreach
24	Strategy EO-1.10. Community Partnerships for Green Workforce Development	Not Applicable		Community engagement		Public Outreach

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24	Strategy EO-1.11. Emission Reduction Thermometer	Not Applicable		Community engagement		Public Outreach
24	Strategy EO-1.12. Demonstration Gardens	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.3. Educational Workshops · Strategy T-9.4. Development of Underutilized and Vacant Infill Sites · Strategy WW-1.1. Cash for Grass Rebate Program · Strategy P-7.1. Community Gardens in City Parks and Underutilized Sites 	Public Outreach, Water Conservation, Carbon Sequestration
24	Strategy EO-1.13. Encourage BUSD to Educate K-12 Students on Climate Change and Ways to Reduce GHG Emissions	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy EO-1.14. Green Science and Technology Fair 	Public Outreach
25	Strategy EO-1.14. Green Science and Technology Fair	Not Applicable		Community engagement	Strategy EO-1.13. Encourage BUSD to Educate K-12 Students on Climate Change and Ways to Reduce GHG Emissions	Public Outreach

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28	Strategy EO-1.15. Car-Free Challenge	Not Applicable		Community engagement	<ul style="list-style-type: none"> · Strategy T-3.1. Increase Bicycle Infrastructure at City Facilities · Strategy T-3.2. Bicycle Infrastructure for New Development · Strategy T-3.3. Implement Bicycle and Pedestrian Safety Measures · Strategy T-3.4. Bicycle and Pedestrian Master Plan · Strategy T-3.5. Revise Streetscape Design Standards · Strategy T-4.1. Transit Passes · Strategy T-6.1. Explore Ferry/Water Taxi Service · Strategy T-6.2. Benicia Commuter Rail Stop 	Public Outreach, Transportation
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Energy Production Objectives						
Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons
	Objective E-1: Increase Power Plant Efficiency 10% by 2020	Community - 18,000 City Government -				
30	Strategy E-1.1. Join the Local Government Sustainable Energy Coalition (LGSEC)	Community - 18,000 City Government - 600	Near-Term	Municipal leadership		
	Objective E-2: Increase Amount of Renewable Energy in Benicia	Community -17,000 City Government - 5,000				

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31	Strategy E-2.1. Renewable Energy Project Manager	Community - NA City Government - NA	Mid-Term	Municipal leadership, Reduced Energy Costs	<ul style="list-style-type: none"> · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.5. Citywide Renewable Energy Mapping and Database · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-4.1. Increase Wind Energy Generation within City Limits · Strategy E-5.1. Investigate Tidal Power · Strategy E-5.2. Geothermal Energy Procurement · Strategy E-6.1. Smart Grid Feasibility Study · Strategy WW-3.1. Install Renewable Energy Systems · Strategy WW-3.2. Class A Biosolids Process 	Solar Energy, Wind Energy, Energy Efficiency
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31	Strategy E-2.2. Property Assessed Clean Energy (PACE)	Community -5,000	Mid-Term	Reduced Energy Costs	<ul style="list-style-type: none"> · Strategy E-2.4. Renewable Energy Fund · Strategy E-2.5. Citywide Renewable Energy Mapping and Database · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-4.1. Increase Wind Energy Generation within City Limits · Strategy B-3.3. Home Energy and Water Audits · Strategy B-3.4. Energy Efficiency Rebates · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures · Strategy IC-1.1. Building Audit and Efficiency Program · Strategy IC-1.4. Commercial Energy Conservation Ordinance · Strategy IC-4.2. Investigate On-site Energy Production 	Public Outreach, Solar Energy, Wind Energy, Green Building, Energy Efficiency
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32	Strategy E-2.3. Renewable Energy For City Facilities	City Government - 5,000	Mid-Term	Reduced Energy Costs	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.5. Citywide Renewable Energy Mapping and Database · Strategy E-2.6. Community Choice Aggregation Feasibility Assessment · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs · Strategy E-4.1. Increase Wind Energy Generation within City Limits · Strategy E-5.1. Investigate Tidal Power · Strategy E-5.2. Geothermal Energy Procurement · Strategy E-6.1. Smart Grid Feasibility Study · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy WW-3.2. Class A Biosolids Process · Strategy WW-3.1. Install Renewable Energy Systems 	Solar Energy, Wind Energy, Green Building
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32	Strategy E-2.4. Renewable Energy Fund	Community - 107,000	Near-Term	Foster new markets	<ul style="list-style-type: none"> · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-4.1. Increase Wind Energy Generation within City Limits · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs 	Public Outreach, Solar Energy, Wind Energy
32	Strategy E-2.5. Citywide Renewable Energy Mapping and Database	Community - NA City Government - NA	Near-Term	Municipal leadership, Foster new markets	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-4.1. Increase Wind Energy Generation within City Limits 	Public Outreach, Solar Energy
32	Strategy E-2.6. Community Choice Aggregation Feasibility Assessment	Community - NA City Government - NA	Near-Term	Municipal leadership, Foster new markets	<ul style="list-style-type: none"> · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-5.1. Investigate Tidal Power · Strategy E-5.2. Geothermal Energy Procurement · Strategy E-6.1. Smart Grid Feasibility Study 	Public Outreach, Solar Energy, Wind Energy

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	Objective E-3: Increase Amount of Solar Energy Production in Benicia	Community - 40,000				
33	Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays	Community - 36,000		Municipal leadership, Foster new markets	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.4. Renewable Energy Fund · Strategy E-2.5. Citywide Renewable Energy Mapping and Database · Strategy E-3.2. Solar Permitting Fee Waiver · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs · Strategy E-6.1. Smart Grid Feasibility Study · Strategy B-1.1. LEED Certification for Municipal Projects 	Public Outreach, Solar Energy, Green Building
33	Strategy E-3.2. Solar Permitting Fee Waiver	Community - NA		Municipal leadership, Foster new markets	<ul style="list-style-type: none"> · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs 	Public Outreach, Solar Energy, Green Building

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34	Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs	Community - 3,500		Foster new markets	<ul style="list-style-type: none"> · Strategy EO-1.1. Update and Maintain Sustainable Development Website · Strategy EO-1.3. Educational Workshops · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.4. Renewable Energy Fund · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-3.2. Solar Permitting Fee Waiver · Strategy B-4.2. Amend the Downtown and Arsenal Historic Conservation Plans 	Public Outreach, Solar Energy
	Objective E-4: Increase Amount of Wind Energy Production in Benicia to 15% by 2020	Community - 20,000 City Government - 2,000				

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34	Strategy E-4.1. Increase Wind Energy Generation within City Limits	Community - - 20,000 City Government - 2,000		Foster new markets	<ul style="list-style-type: none"> · Strategy EO-1.3. Educational Workshops · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.4. Renewable Energy Fund · Strategy E-2.5. Citywide Renewable Energy Mapping and Database · Strategy E-6.1. Smart Grid Feasibility Study 	Public Outreach, Wind Energy
	Objective E-5: Assess and Conduct a Feasibility Study for Use of Tidal and Geothermal Power by 2020	Community City Government				
35	Strategy E-5.1. Investigate Tidal Power			Municipal leadership, Foster new markets	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.6. Community Choice Aggregation Feasibility Assessment · Strategy E-6.1. Smart Grid Feasibility Study 	

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35	Strategy E-5.2: Geothermal Energy Procurement			Municipal leadership, Foster new markets	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.6. Community Choice Aggregation Feasibility Assessment · Strategy E-6.1. Smart Grid Feasibility Study 	
	Objective E-6: Conduct a Smart Grid Feasibility Study by 2020	Community City Government				
36	Strategy E-6.1. Smart Grid Feasibility Study				<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-2.6. Community Choice Aggregation Feasibility Assessment · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy E-4.1. Increase Wind Energy Generation within City Limits · Strategy E-5.1. Investigate Tidal Power · Strategy E-5.2. Geothermal Energy Procurement 	Solar Energy, Wind Energy, Energy Efficiency

Transproation & Land Use Objectives						
Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons

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	Objective T-1: Reduce Municipal Fleet Related Emissions 20% by 2020	City Government - 130				
40	Strategy T-1.1. Establish Criteria for New Fleet Vehicles	City Government - 130	Near-Term	Reduced fuel costs, and improved air quality	<ul style="list-style-type: none"> · Strategy T-5.1. Low-Emission Transit Vehicles · Strategy P-2.2. Develop a Biodiesel Conversion Program for Diesel powered vehicles · Strategy P-3.1. Replace Unnecessary City Trucks with Alternative-Fuel Vehicles · Strategy P-3.2. Replace Half-Ton Trucks with E85 Ethanol or Compressed Natural Gas (CNG) Trucks · Strategy P-3.3. Biodiesel in Heavy-Duty Trucks · Strategy B-1.1. LEED Certification for Municipal Projects 	Transportation
41	Strategy T-1.2. Municipal Bicycle Program	City Government - NA	Near-Term	Reduced fuel costs, and improved air quality	<ul style="list-style-type: none"> · Strategy T-3.1. Increase Bicycle Infrastructure at City Facilities 	Transportation
	Objective T-2: Reduce Municipal Transportation Infrastructure Related Emissions 50% by 2020	City Government - 270 Community - 2,800				
41	Strategy T-2.1. Increase the Efficiency of Streetlights	City Government - 270	Near-Term	Reduced operational costs		Energy Efficiency
41	Strategy T-2.2. LED Lighting for Intersection Walk Signals	City Government - NA	Near-Term	Reduced operational costs	<ul style="list-style-type: none"> · Strategy T-3.3. Implement Bicycle and Pedestrian Safety Measures 	Energy Efficiency
42	Strategy T-2.3. Recycled Content in Street Surfaces	City Government - NA	Near-Term	Reduced use of new materials		

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42	Strategy T-2.4 Traffic Signal and Stop Sign Optimization	City Government - 2,800	Near-Term	Reduced congestion		Transportation
	Objective T3: Increase Bicycle and Pedestrian Mode Share by 2020	Community - 500				
43	Strategy T3.1. Increase bicycle infrastructure at City facilities	Community - 500. The strategies for Objective T-3 were combined when calculating reductions.	Near-Term	Improved public health, improved air quality, reduced traffic congestion	<ul style="list-style-type: none"> · Strategy EO-1.15. Car-Free Challenge · Strategy T-1.2. Municipal Bicycle Program · Strategy B-1.1. LEED Certification for Municipal Projects 	Transportation
43	Strategy T3.2. Bicycle Infrastructure for new development	Community - 500. The strategies for Objective T-3 were combined when calculating reductions.	Near-Term	Improved public health, improved air quality, reduced traffic congestion	<ul style="list-style-type: none"> · Strategy EO-1.15. Car-Free Challenge 	Transportation
43	Strategy T3.3. Implement Bicycle and Pedestrian Safety Measures	Community - 500. The strategies for Objective T-3 were combined when calculating reductions.	Mid-Term	Improved public health, improved air quality, reduced traffic congestion	<ul style="list-style-type: none"> · Strategy EO-1.15. Car-Free Challenge · Strategy T-2.2. LED Lighting for Intersection Walk Signals 	Transportation
43	Strategy T3.4. Bicycle and Pedestrian Master Plan	Community - 500. The strategies for Objective T-3 were combined when calculating reductions.	Mid-Term	Improved public health, improved air quality, reduced traffic congestion	s	Public Outreach, Transportation
44	Strategy T3.5. Revise Streetscape Design Standards	Community - 500. The strategies for Objective T-3 were combined when calculating reductions.	Near-Term	Improved public health, improved air quality, reduced traffic congestion	<ul style="list-style-type: none"> · Strategy EO-1.15. Car-Free Challenge · Strategy T-3.4. Bicycle and Pedestrian Master Plan · Strategy P-4.2. Increase the Number of City Trees 	Public Outreach, Transportation
	Objective T-4: Increase Public Transit Ridership 10% by 2020	Community - 500				

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45	Strategy T-4.1. Transit Passes	Community - 500	Near-Term	Municipal leadership, Improved air quality, reduced traffic congestion, and improved community interaction	· Strategy EO-1.15. Car-Free Challenge	Public Outreach, Transportation
45	STRATEGY T-4.2: ENCOURAGE BUSD TO REINSTATE SCHOOL BUSES				· Strategy EO-1.15. Car-Free Challenge	Transportation
	Objective T-5: Reduce Benicia Breeze Vehicle Emissions 50% by 2020	City Government - 500				
45	Strategy T-5.1. Low-Emission Transit Vehicles	City Government - 500	Near-Term	Municipal leadership, Improved air quality, reduced traffic congestion, and improved community interaction	· Strategy T1.1. Establish Mandatory Criteria for New Fleet Vehicles	Transportation
	Objective T-6: Increase the Use of Rail & Water Transportation	Community - 50				
46	Strategy T-6.1. Ferry/Water Taxi Service	Community - 50	Mid-Term	Improved air quality, reduced traffic congestion, and improved community interaction	· Strategy EO-1.15. Car-Free Challenge	Transportation
46	Strategy T-6.3. Benicia Commuter Rail Stop	Community - NA	Mid-Term	Improved air quality, reduced traffic congestion, and improved community interaction	· Strategy EO-1.15. Car-Free Challenge	Transportation

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	Objective T-7: Increase Carpooling to 15% of Mode Share by 2020	Community				
47	Strategy T-7.1. Carpool Program	Community - 500. The strategies for Objective T-7 were combined when calculating reductions	Near-Term	Improved air quality, reduced traffic congestion, and improved community interaction	<ul style="list-style-type: none"> · Strategy EO-1.1. Update and Maintain Sustainable Development Website · Strategy T-7.2. Carpool Incentives for City Employees 	Public Outreach, Transportation
47	Strategy T-7.2. Carpool Incentives for City Employees	Community - 500. The strategies for Objective T-7 were combined when calculating reductions	Near-Term	Improved air quality, reduced traffic congestion, and improved community interaction	<ul style="list-style-type: none"> · Strategy T-7.1. Carpool Program · Strategy B-1.1. LEED Certification for Municipal Projects 	Transportation
	Objective T8: Reduce Reliance on Conventional Automobile Travel	Community -20, 038*				
47	Strategy T-8.1. Encourage Local Businesses to Use Alternative Fuel Vehicles	Community - NA	Near-Term	Improved air quality	<ul style="list-style-type: none"> · Strategy EO-1.1. Update and Maintain Sustainable Development Website · Strategy EO-1.3. Educational Workshops 	Public Outreach, Transportation
48	Strategy T-8.2. Create Local Car Share Program	Community - 10		Improved air quality and reduced traffic congestion		Transportation
48	Strategy T-8.3. Revise Parking Requirements	Community -230		Improved air quality and reduced traffic congestion		Transportation
	Objective T9: Reduce VMT 1% by Increasing Compact Mixed-Use Development	Community - 500				

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49	Strategy T9.1. Form-Based Code	Community - 500. The strategies for Objective T-9 were combined when calculating reductions.	Mid-Term	Improved air quality, reduced traffic congestion, and improved community interaction, increased property value.	
49	Strategy T9.2. Live/Work Incentives	Community - 500. The strategies for Objective T-9 were combined when calculating reductions.	Near-Term	Improved air quality, reduced traffic congestion, and improved community interaction, increased property value.	<ul style="list-style-type: none"> · Strategy T-9.4. Development of Underutilized and Vacant Infill Sites
49	Strategy T9.3. Neighborhood Commercial Centers	Community - 500. The strategies for Objective T-9 were combined when calculating reductions.	Mid-Term	Improved air quality, reduced traffic congestion, and improved community interaction, increased property value.	<ul style="list-style-type: none"> · Strategy T-9.4. Development of Underutilized and Vacant Infill Sites Public Outreach
49	Strategy T9.4. Development of Underutilized and Vacant Infill Sites	Community - 500. The strategies for Objective T-9 were combined when calculating reductions.	Mid-Term	Improved air quality, reduced traffic congestion, and improved community interaction, increased property value.	<ul style="list-style-type: none"> · Strategy EO-1.12. Demonstration Gardens · Strategy T-9.2. Live/Work Incentives · Strategy T-9.3. Neighborhood Commercial Centers · Strategy P-7.1. Community Gardens in City Parks and Underutilized Sites Public Outreach

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50	Strategy T9.5. Amend Zoning Regulations for Accessory Dwelling Units	Community - 500. The strategies for Objective T-9 were combined when calculating reductions.	Mid-Term	Improved air quality, reduced traffic congestion, and improved community interaction, increased property value.		
50	Strategy T9.6. Require Workforce Housing with Industrial Development	Community - 500. The strategies for Objective T-9 were combined when calculating reductions.	Near-Term			

Buildings						
Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons
	Objective B-1: Increase Building and Energy Efficiency in Municipal Buildings by 10% by 2020	City Government - 80				

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54	Strategy B-1.1. LEED Certification for Municipal Projects	City Government - NA	Near-Term	Improved indoor air quality, reduced operational costs	<ul style="list-style-type: none"> · Strategy EO-1.8. Informational Kiosks and Info Displays at City Facilities · Strategy E-2.3. Renewable Energy For City Facilities · Strategy E-3.1. Encourage Parking Lot Solar Photovoltaic Arrays · Strategy T1.1. Establish Mandatory Criteria for New Fleet Vehicles · Strategy T-3.1. Increase Bicycle Infrastructure at City Facilities · Strategy B-1.2. Solar Thermal Energy for Municipal Buildings · Strategy B-1.3. Upgrade City Hall HVAC System · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy B-4.5. Retrofit the Clocktower to Achieve LEED Certification · Strategy SW-2.3. Construction and Demolition Recycling Programs 	Public Outreach, Green Building, Energy Efficiency, Water Conservation
54	Strategy B-1.2. Solar Thermal Energy for Municipal Buildings	City Government - 30	Near-Term	Reduced operational costs	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects 	Public Outreach, Solar Energy, Green Building

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55	Strategy B-1.3. Upgrade City Hall HVAC System	City Government - 50	Near-Term	Reduced operational costs	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy B-4.6. Energy Efficiency Demonstration Projects at City Hall 	Green Building, Energy Efficiency
	Objective B-2: Increase Building Efficiency by 20% in New Residential Construction by 2020	Community - 6,000				

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56	Strategy B-2.1. Adopt a Tiered Green Building Ordinance	Community - 6,000	Near-Term	Improved interior air quality, increased property value	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy B-3.2. Adopt Build It Green's Home Remodel Standards or Equivalent · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures · Strategy B-4.3. Encourage LEED certification and/or Build It Green's GreenPoint Rated certification for Historic Structures · Strategy B-4.4. Educate Property Owners, City Commission, Local Contractors, and Suppliers · Strategy IC-1.3. Require LEED Certification for New Industrial and Commercial Buildings Larger than 5,000 Square Feet. · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance · Strategy SW-2.3. Construction and Demolition Recycling Programs 	Green Building, Energy Efficiency, Water Conservation
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56	Strategy B-2.2. Promote Local Green Building Projects	Community - none. Supports B-2.1	Near-Term		<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy B-3.1. Residential Energy Conservation Ordinance · Strategy B-3.2. Adopt Build It Green's Home Remodel Standards or Equivalent · Strategy B-3.7. Change a Light Campaign · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures · Strategy B-4.3. Encourage LEED certification and/or Build It Green's GreenPoint Rated certification for Historic Structures · Strategy B-4.4. Educate Property Owners, City Commission, Local Contractors, and Suppliers · Strategy IC-1.3. Require LEED Certification for New Industrial and Commercial Buildings Larger than 5,000 Square Feet. · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance · Strategy WW-1.3. Implement Residential Rainwater Collection · Strategy SW-2.3. Construction and Demolition Recycling Programs 	Public Outreach, Green Building, Energy Efficiency, Water Conservation
	Objective B-3: Reduce Energy Use by 20% in Existing Homes by 2020	Community - 8,000				

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56	Strategy B-3.1. Residential Energy Conservation Ordinance	Community - NA		Increased property value	<ul style="list-style-type: none"> · Strategy B-2.2. Promote Local Green Building Projects · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Public Outreach, Green Building
57	Strategy B-3.2. Adopt Build It Green's Home Remodel Standards or Equivalent	Community - 870	Near-Term	Improved interior air quality, increased property value	<ul style="list-style-type: none"> · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Green Building, Energy Efficiency, Water Conservation
57	Strategy B-3.3. Home Energy and Water Audits	Community - 920	Near-Term	Reduced utility bills	<ul style="list-style-type: none"> · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) 	Public Outreach, Energy Efficiency, Water Conservation
57	Strategy B-3.4. Energy Efficiency Rebates	Community - 6,100	Near-Term		<ul style="list-style-type: none"> · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures 	Green Building, Energy Efficiency
57	Strategy B-3.5. Ban Wood Burning	Community - NA	Near-Term	Lower asthma rates	<ul style="list-style-type: none"> · Strategy B-3.7. Change a Light Campaign 	

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57	Strategy B-3.6. Develop a Wood Fireplace Change-Out/Removal Program	Community - NA	Near-Term	Increased property values, Increased thermal comfort, Reduced utility bills	· Strategy B-3.5. Ban Wood Burning	Green Building
57	Strategy B-3.7. Change a Light Campaign	Community - 100	Near-Term	Reduced utility bills	· Strategy B-2.2. Promote Local Green Building Projects · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures	Energy Efficiency
	Objective B-4: Green 30% of Historic Structures by 2020	Community - 210				

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58	Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures	Community - 200	Near-Term	Reduced utility bills	<ul style="list-style-type: none"> · Strategy EO-1.3. Educational Workshops · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy B-3.4. Energy Efficiency Rebates · Strategy B-3.7. Change a Light Campaign · Strategy B-3.2. Adopt Build It Green's Home Remodel Standards or Equivalent · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Public Outreach, Energy Efficiency, Green Building
59	Strategy B-4.2. Amend the Downtown and Arsenal Historic Conservation Plans	Community - NA	Mid-Term	Municipal leadership, increased interior air quality	<ul style="list-style-type: none"> · Strategy E-3.3. Promote California Solar Initiative and Other Applicable Incentive Programs 	Solar Energy, Green Building

Strategy Summary Table

59	Strategy B-4.3. Encourage LEED certification and/or Build It Green's GreenPoint Rated certification for Historic Structures	Community - 10	Near-Term	Reduced utility bills, reduced maintenance costs, increased air quality	<ul style="list-style-type: none"> · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy B-4.5. Retrofit the Clocktower to Achieve LEED Certification · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Public Outreach, Green Building
59	Strategy B-4.4. Educate Property Owners, City Commissions, Local Contractors, and Suppliers	Community - NA	Near-Term	Municipal leadership, increased interior air quality	<ul style="list-style-type: none"> · Strategy EO-1.3. Educational Workshops · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Public Outreach, Green Building
59	Strategy B-4.5. Retrofit the Clocktower to Achieve LEED Certification	Community - NA	Mid-Term	Reduced utility bills, reduced maintenance costs, increased air quality	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy B-4.3. Encourage LEED certification and/or Build It Green's GreenPoint Rated certification for Historic Structures 	Public Outreach, Green Building

Strategy Summary Table

60	Strategy B-4.6. Energy Efficiency Demonstration Projects at City Hall	Community - NA		Municipal leadership, increased interior air quality	<ul style="list-style-type: none"> · Strategy B-2.2. Promote Local Green Building Projects · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Public Outreach, Green Building
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Industry + Commercial Objectives						
Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons
	Objective IC-1: Reduce Energy Consumption in Industrial and Commercial and Buildings 20% by 2020	Community - 107,000				
64	Strategy IC-1.1. Building Audit and Efficiency Program	Community - 1,920	Near-Term	Reduced utility costs	<ul style="list-style-type: none"> · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy IC-1.2. Mandate Building Performance Certificates 	Public Outreach, Green Building, Energy Efficiency
64	Strategy IC-1.2. Mandate Building Performance Certificates	Community - NA	Long-Term	Reduced utility costs	<ul style="list-style-type: none"> · Strategy IC-1.1. Building Audit and Efficiency Program 	Green Building, Energy Efficiency
64	Strategy IC-1.3. Require LEED Certification for New Industrial and Commercial Buildings Larger than 5,000 Square Feet	Community - 9,600	Mid-Term	Improved air quality, Water conservation and reduced utility costs.	<ul style="list-style-type: none"> · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Green Building

Strategy Summary Table

65	Strategy IC-1.4. Commercial Energy Conservation Ordinance	Community - 96,000	Mid-Term	Improved air quality, reduced utility costs., Increased value property	<ul style="list-style-type: none"> · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Green Building, Energy Efficiency
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Strategy Summary Table

65	Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance	Community - 0. Supports IC-1.4	Mid-Term	Improved air quality, reduced utility costs.	<ul style="list-style-type: none"> · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy B-3.1. Residential Energy Conservation Ordinance · Strategy B-3.2. Adopt Build It Green's Home Remodel Standards or Equivalent · Strategy B-4.1. Encourage Energy Efficient Upgrades in Historic Structures · Strategy B-4.3. Encourage LEED certification and/or Build It Green's GreenPoint Rated certification for Historic Structures · Strategy B-4.4. Educate Property Owners, City Commissions, Local Contractors, and Suppliers · Strategy IC-1.3. Require LEED Certification for New Industrial and Commercial Buildings Larger than 5,000 Square Feet. · Strategy IC-1.4. Commercial Energy Conservation Ordinance 	Public Outreach, Green Building
	Objective IC-2: Increase Operational Efficiency 20% by 2020	Community				

Strategy Summary Table

65	Strategy IC-2.1. Promote Green Business Certification Program	Community	Mid-Term	Reduced utility costs	<ul style="list-style-type: none"> · Strategy IC-2.2. Establish a Green Business Committee · Strategy WW-1.7. Develop a Businesses Outreach Program 	Public Outreach
66	Strategy IC-2.2. Establish a Green Business Committee	Community	Mid-Term	Reduced utility costs	<ul style="list-style-type: none"> · Strategy IC-2.1. Promote Green Business Certification Program · Strategy WW-1.7. Develop a Businesses Outreach Program 	Public Outreach
	Objective IC-3: Encourage the Port of Benicia to Implement Emissions Reduction Measures	Community - NA				
66	Strategy IC-3.1. Complete Emissions Inventory and Port Efficiency Plan	Community - NA		Marketing and public perception		Energy Efficiency
66	Strategy IC-3.2. Decrease Transportation Source Emissions	Community - NA		Marketing/public perception, increased air quality, decreased asthma rates		Transportation
	Objective IC-4: Encourage the Valero Refinery to Continue to Reduce Emissions	Community - NA		Marketing/public perception, increased air quality, decreased asthma rates		
67	Strategy IC-4.1. Continue Implementing Capital Improvement Programs	Community - NA		Plant efficiency, reduced operation costs	<ul style="list-style-type: none"> · Strategy E-2.2. Property Assessed Clean Energy (PACE Program) 	Wind Energy, Green Building
67	Strategy IC-4.2. Investigate On-site Energy Production	Community - NA		Marketing and public perception		Wind Energy, Solar Energy

Strategy Summary Table

Water + Wastewater Objectives						
Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons
	Objective WW-1: Reduce the Amount of Water Consumed 20% by 2020	City Government - 100				
72	Strategy WW-1.1. Cash for Grass Rebate Program	City Government - NA	Near-Term	Water conservation, Reduction in use of fossil fuel-based fertilizers	<ul style="list-style-type: none"> · Strategy EO-1.3. Educational Workshops · Strategy EO-1.12. Demonstration Gardens · Strategy P-6.1. Develop a City-Approved Tree and Plant List 	Water Conservation, Carbon Sequestration
73	Strategy WW-1.2. Establish Permitting Process for Graywater Systems	City Government - NA	Long-Term	Water conservation	<ul style="list-style-type: none"> · Strategy WW-1.3. Implement Residential Rainwater Collection · Strategy WW-1.4. Require Commercial Rainwater Collection · Strategy WW-3.3. Water Reuse Project 	Water Conservation
73	Strategy WW-1.3. Implement Residential Rainwater Collection	City Government - NA	Mid-Term	Water conservation	<ul style="list-style-type: none"> · Strategy B-2.2. Promote Local Green Building Projects · Strategy WW-1.2. Establish Permitting Process for Graywater Systems 	Public Outreach, Green Building, Water Conservation

Strategy Summary Table

73	Strategy WW-1.4. Require Commercial Rainwater Collection	City Government - 5	Long-Term	Water conservation, Increased Property Values	<ul style="list-style-type: none"> · Strategy B-2.2. Promote Local Green Building Projects · Strategy WW-1.2. Establish Permitting Process for Graywater Systems 	Public Outreach, Green Building, Water Conservation
73	Strategy WW-1.5. Incentives for Residential Plumbing Fixture Upgrades	City Government - NA	Near-Term	Water conservation, Increased property values, Decreased maintenance costs		Public Outreach, Green Building, Water Conservation
74	Strategy WW-1.6. Incentivize water conservation	City Government - 95	Mid-Term	Water conservation		Water Conservation
74	Strategy WW-1.7. Develop a Businesses Outreach Program	City Government - NA	Long-Term	Water conservation	<ul style="list-style-type: none"> · Strategy IC-2.1. Promote Green Business Certification Program · Strategy IC-2.2. Establish a Green Business Committee 	Public Outreach, Water Conservation
	Objective WW2: Reduce the Amount of Emissions Resulting from Pumps and Lift Stations	City Government - 300				
74	Strategy WW2.1. Incentives for Residential Lateral Upgrades	City Government - 300	Mid-Term	Water conservation Increased property values		Public Outreach, Water Conservation
	Objective WW-3: Reduce the Amount of Emissions Resulting from Water and Wastewater Plant Operations 95% by 2020	City Government - 1,500				

Strategy Summary Table

75	Strategy WW-3.1. Install Renewable Energy Systems	City Government - 1,500	Mid-Term	Municipal leadership, Decreased reliance on fossil fuels for electricity generation	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.3. Renewable Energy For City Facilities 	Solar Energy, Wind Energy
75	Strategy WW-3.2. Cogeneration Improvements	unknown	Long-Term	Decreased reliance on fossil fuels for electricity generation	<ul style="list-style-type: none"> · Strategy E-2.1. Renewable Energy Project Manager · Strategy E-2.3. Renewable Energy For City Facilities 	
76	Strategy WW-3.3. Implement PEER Water Reclamation	unknown	Long-Term	Water conservation	<ul style="list-style-type: none"> · Strategy WW-1.2. Establish Permitting Process for Graywater Systems 	Water Conservation

Solid Waste Objectives						
Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons
	Objective SW-1: Commit to a Waste Diversion Goal of 90% for City Government Operations	City Government - 1,000				
80	Strategy SW-1.1. Limit City Spending on Bottled Water	City Government - NA	Near-Term	Municipal leadership, Reduced solid waste, Reduced City spending		
80	Strategy SW-1.2. Establish Education Program for City Staff	City Government - 1,000	Near-Term	Improved recycling habits	<ul style="list-style-type: none"> · Strategy EO-1.3. Educational Workshops 	
	Objective SW-2: Commit to a Waste Diversion Goal of 75% for the Community	Community				

Strategy Summary Table

80	Strategy SW-2.1. Community-Wide Composting Program	Community - 7	Mid-Term	Reduced dumping fees	· Strategy EO-1.3. Educational Workshops	Public Outreach
81	Strategy SW-2.2. Curbside Recycling for Industrial and Commercial Businesses	unknown				
81	Strategy SW-2.3. Construction and Demolition Recycling Program	Community - 1,000	Mid-Term	Reduced dumping fees	<ul style="list-style-type: none"> · Strategy EO-1.1. Update and Maintain Sustainable Development Website · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy B-2.1. Adopt a Tiered Green Building Ordinance · Strategy B-2.2. Promote Local Green Building Projects · Strategy IC-1.5. Provide Green Building Consulting and Technical Assistance 	Public Outreach, Green Building
81	Strategy SW-2.4. Waste Audit Program	Community 9,500	Mid-Term	Reduction in waste stream		Public Outreach
81	Strategy SW-2.5. Feasibility Study for a Waste Reduction Ordinance	Community - NA	Near-Term	Solid waste diversion		
82	Strategy SW-2.6. Universal Colors and Labeling for all Trash Receptacles	Community - NA	Near-Term	Reduction in waste stream		Public Outreach

Parks and Open Space Objectives

Page	Objective/Strategy Name	Emissions Reduction	Phasing	Co-Benefits	Linkage	Strategy Icons
	Objective P-1: Reduce the Water Consumed for the Irrigation of Park Space by 40% by 2020	City Government - 10				

Strategy Summary Table

86	Strategy P-1.1. Install Drip Irrigation Systems in all City-Maintained Landscapes	City Government - 5	Near-Term	Water conservation, Monetary savings	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy P-1.2. Install Irrigation Control Systems 	Water Conservation
86	Strategy P-1.2. Install Irrigation Control Systems	City Government - 5	Mid-Term	Water conservation, Monetary savings	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy P-1.1. Install Drip Irrigation Systems in all City-Maintained Landscapes 	Water Conservation
86	Strategy P-1.3. Utilize Low-Maintenance, Drought Tolerant Landscaping	City Government - NA	Near-Term	Municipal leadership, Water conservation, Community demonstration project	<ul style="list-style-type: none"> · Strategy B-1.1. LEED Certification for Municipal Projects · Strategy P-4.2. Increase the Number of City Trees 	Water Conservation, Carbon Sequestration
	Objective P-2: Reduce Emissions from Maintenance Equipment 50% by 2020	City Government - 20				
87	Strategy P-2.1. Replace Fossil Fuel-Powered Maintenance Tools with Electric Equipment	City Government - 20	Near-Term	Municipal leadership, Improved air quality, Reduced fuel costs ³		
87	Strategy P-2.2. Retrofit Diesel-Powered Maintenance Equipment with Biodiesel Engines	City Government - NA	Near-Term	Municipal leadership, Improved air quality	<ul style="list-style-type: none"> · Strategy T1.1. Establish Mandatory Criteria for New Fleet Vehicles · Strategy P-2.3. Utilize Biodiesel Fuel in Maintenance Equipment · Strategy P-3.3. Biodiesel in Heavy-Duty Trucks 	

Strategy Summary Table

84	Strategy P-2.3. Utilize Biodiesel Fuel in Maintenance Equipment	City Government - NA	Long-Term	Municipal leadership, Improved air quality	· Strategy P-2.2. Develop a Biodiesel Conversion Program for Diesel powered vehicles	
84	Strategy P-2.4. Reduce Mowing Frequency at Parks facilities	City Government - 1	Near-Term	Improved air quality, Reduced fuel cost		
	Objective P-3: Reduce Emissions from Maintenance Vehicles 50% by 2020	City Government - 28				
88	Strategy P-3.1. Replace Unnecessary City Trucks with Alternative-Fuel Vehicles	City Government - NA	Long-Term	Municipal leadership, Improved air quality, Reduced fuel costs	· Strategy T1.1. Establish Mandatory Criteria for New Fleet Vehicles	
88	Strategy P-3.2. Replace Half-Ton Trucks with E85 Ethanol or Compressed Natural Gas (CNG) Trucks	City Government - 25	Mid-Term	Municipal leadership, Improved air quality	· Strategy T1.1. Establish Mandatory Criteria for New Fleet Vehicles	
88	Strategy P-3.3. Biodiesel in Heavy-Duty Trucks	City Government - 8	Long-Term	Municipal leadership, Improved air quality	· Strategy T1.1. Establish Mandatory Criteria for New Fleet Vehicles · Strategy P-2.2. Develop a Biodiesel Conversion Program for Diesel powered vehicles	
	Objective P-4: Increase the Number of City Maintained Park and Street Trees	City Government - 80				
89	Strategy P-4.1. Tree Maintenance Program	City Government - NA	Near-Term	City Beautification		Carbon Sequestration

Strategy Summary Table

89	Strategy P-4.2. Increase the Number of City Trees	City Government - 80	Near-Term	Improved air quality, City beautification	<ul style="list-style-type: none"> · Strategy P-1.3. Utilize Low-Maintenance, Drought Tolerant Landscaping · Strategy T-3.5. Revise Streetscape Design Standards · Strategy P-5.2. Adopt-A-Tree Program · Strategy P-6.1. Develop a City-Approved Tree and Plant List 	Carbon Sequestration
	Objective P-5: Increase Number of Trees in the Community	Community - NA				
89	Strategy P-5.1. Residential Tree Fund	Community - NA	Mid-Term	Improved air quality, City beautification	<ul style="list-style-type: none"> · Strategy WW-1.1. Cash for Grass Rebate Program · Strategy P-6.1. Develop a City-Approved Tree and Plant List 	Carbon Sequestration
89	Strategy P-5.2. Adopt-A-Tree Program	Community - NA	Mid-Term	Improved air quality, City beautification	<ul style="list-style-type: none"> · Strategy P-4.2. Increase the Number of City Trees · Strategy P-6.1. Develop a City-Approved Tree and Plant List 	Carbon Sequestration
	Objective P-6: Increase Use of Drought Tolerant Landscaping	City Government - NA				
90	Strategy P-6.1. Develop a City Approved Tree and Plant List	City Government - NA	Near-Term	Water conservation, City beautification		Public Outreach, Water Conservation, Carbon Sequestration
	Objective P-7: Establish Community Gardens	City Government - NA				

Strategy Summary Table

90	Strategy P-7.1. Community Gardens in City Parks and Underutilized Sites	City Government - NA	Near-Term	Municipal leadership, City beautification	<ul style="list-style-type: none"> · Strategy EO-1.1. Update and Maintain Sustainable Development Website · Strategy EO-1.12. Demonstration Gardens · Strategy T-9.4. Development of Underutilized and Vacant Infill Sites 	Public Outreach, Water Conservation, Carbon Sequestration
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