APPENDIX B

2012 Climate Action Plan 2018 Implementation Status Report

The City of Santa Barbara Climate Action Plan (CAP) was adopted in September 2012 with objectives to reduce community carbon emissions that contribute to global climate change, and to plan for community adaptation to climate change effects.

The CAP horizon extends through the year 2030. As funding becomes available in the City budget or from grants, implementation of programmatic CAP strategies is undertaken by City department programs and operations, or through joint efforts with private sector businesses or other agencies. Implementation of CAP strategies also occurs through the permitting process for development projects. Many in-place and future programs will be ongoing through the planning period to 2030 and others have target dates of 2015, 2020, 2025 or 2030 as noted in the chart. The CAP directs regular monitoring and reporting of plan implementation and status in coordination with General Plan reporting.

CAP strategies include both City government operations and communitywide measures. As noted within the chart, some CAP strategies incorporate the City's General Plan Update Environmental Impact Report (EIR) Mitigation Measures; these strategies are cross referenced to the Mitigation Monitoring and Reporting Program (MMRP) chart. Strategies that are considered complete are noted with a check mark in the chart, although most of the strategies are ongoing. The implementation status chart indicates that City facility operations and community efforts are on track toward CAP objectives.

In 2016, the City joined the Compact of Mayors, which subsequently merged into the Global Covenant of Mayors of Climate and Energy. The Global Covenant commits member cities' to common greenhouse gas (GHG) emissions reporting processes that allow for consistent and reliable assessment of progress towards meeting GHG emissions targets. An update of the community-wide GHG emissions inventory was conducted in 2017 to monitor progress toward CAP emissions targets. The 2017 GHG emissions inventory used updated software to complete the inventory and the international standard Global Protocol for Community-Scale GHG Emission Inventories (GPC) for accounting and reporting GHG emissions. The new software and reporting protocols will allow the City to better track progress towards meeting GHG emissions reduction targets and compare Santa Barbara's progress to other similar cities in the Global Covenant of Mayors.

Note: The following chart summarizes Climate Action Plan strategy language. Please refer to the Plan for the full text of referenced strategies.

	Emission Reduction Strategies				
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)		
₹	Ongoing Completed	•			
Energy Efficiency and Green Building Measures These measures reduce carbon emissions that result from the combustion of fossil fuels for electricity generation, through more efficient electrical devices and conservation practices for existing and new structures. The CAP details many energy efficiency activities already undertaken or in place. The CAP measures below are additional actions towards energy efficiency. City Facilities and Operations					
•	1. Energy-efficient city facilities Incorporates EIR RM Climate-3/GP Policy ER5.2 Retrofit municipal systems with energy efficient equipment and operations.	Ongoing	See General Plan Program EIR Mitigation Monitoring and Reporting Program (MMRP) Energy and Climate Change Measure Class III #26, Energy Efficient City Facilities. Implement City Energy Use Policy.		
•	2. Recreational field lighting efficiency Install energy efficient lighting at Dwight Murphy and Pershing ball fields.	2015	Complete Energy efficient lighting also installed at Cabrillo Ball Field, and Ortega Park, and Los Baños del Mar pool.		

	Emission	Reducti	on Strategies				
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)				
	Ongoing Completed						
Comr	Communitywide Measures						
	3. Energy-efficient buildings — voluntary actions Encourage new construction consistent with City green programs and policies, the California Green Building Code, and Architecture 2030 goals for energy efficiency in buildings. Further reduce energy consumption over time and establish a voluntary program and time line for increasing energy efficiency and carbon neutrality of new buildings, additions, and existing buildings. Provide: Information on options; Incentives for voluntary upgrades; Methods for greening the existing building stock; Tools for financing energy-efficient upgrades and on-site solar and wind power; and County green business program.	Ongoing	 Ongoing Consistency with Building Code Requirements: The following updates to the state's energy efficiency standards for buildings (updated approximately every three years) supersede the City's Green Building Standards for Large Residences, Built Green program. 2016 Building Energy Efficiency Standards for energy and water efficiency went into effect on 1/1/17. The 2016 standards focus on three key areas: 1) updating residential requirements to move closer to California's zero net energy goals, 2) updating nonresidential and high-rise residential requirements, and 3) improving the existing regulations. The 2013 California Green Building Standards Code (CALGreen), which went into effect on 7/1/14, was the nation's first mandatory statewide green building standard. The 2016 CalGreen standards address clean air vehicles and increased requirements for electric vehicle charging infrastructure Further Energy Efficiency Voluntary Actions: Building Green information brochure provides resources for construction and remodeling. Financing tools and information are available through participation in South Coast Energy Efficiency Partnership, Central Coast emPower, and Green Business programs. A City incentive provides priority plan check processing for projects that have received any green building certification (e.g., LEED, Built Green). 				
	4. Energy-efficient buildings- further actions Institute additional outreach, incentives, and requirements if there is insufficient progress from the voluntary program (using 50% progress towards City's Architecture 2030 efficiency goals by 2020).	2025 - 2030	Ongoing The Architecture 2030 Challenge requires all new buildings, developments, and major renovations to be carbon-neutral by 2030. The California Energy Commission has adopted a goal to achieve zero net energy buildings standards by 2020 for homes and 2030 for commercial buildings. No Budget or Work to Date No additional outreach and incentives developed.				
	5. Green building Promote use of more sustainable building and landscaping materials and methods. Establish additional incentives for the use of locally harvested, renewable, buildings or manufacturing materials.	Ongoing	Ongoing City Landscape Standards for Water Conservation and other programs provides advice and rebates for sustainable low water use landscaping and irrigation retrofits. No Budget or Work to Date No incentives developed.				

Emission Reduction Strategies					
	Climate Plan Strategy Target Implementation/ Status (2013-2018)				
	Ongoing Completed				

Renewable Energy Strategies

Renewable energy means power sources that will not be depleted, such as solar, wind, geothermal, hydroelectric, biomass, methane,

and wa electri installa	ave energy, as well as alternative non-petroleum fucity and vehicles powered with petroleum fuels. In ations at City facilities and renewable energy projection to electricity and grease-to-gas injection projection.	uels. Use of 2012, the Cots at the w	renewable energy sources reduces carbon emissions from City had already increased its use of renewable energy from solar restewater treatment plant (twin fuel cell system converting measures below are additional renewable energy programs and
City F	acilities		
⊘	6. Hydroelectric plant re- commissioning Re-commission the City's Gibraltar Conduit Hydroelectric Plant.	2015	Plant is capable of producing up to 1,874 megawatt-hours of energy annually.
	7. Solar photovoltaic (PV) project at airport Install PV panels over portions of the Airport long-term parking area; use power purchase agreement.	2015	 In Progress City entered a power purchase agreement with a new vendor to install and operate a 900kW solar array. The project is currently in the permit process.
Comr	nunitywide Measures		
	8. Community choice aggregation Conduct feasibility study on bulk purchase or	2020, 2030	Complete In 2016, the City of Santa Barbara, along with neighboring
•	energy production from alternative sources.		jurisdictions, 3 counties, and the Community Environmental Council commissioned a Technical Feasibility Study on Community Choice Energy (CCE) (Tri- County Study), which concluded that CCE would not be feasible. The participating jurisdictions then commissioned a peer review of the Tri-County Study that concluded that a new CCE program would not be rate competitive or financially solvent. In 2017, City Council directed a new study, conducted with Santa Barbara County and the cities of Santa Barbara, Goleta, and Carpinteria. The new study was more favorable towards CCE and in July 2018, each jurisdiction separately voted to move forward with launching the new CCE program.
	9. Alternative/advanced fuels Support and implement the State's Alternative Fuels Plan (AB 1007) goal for 20% alternative/advanced fuels use by 2020; 30% by 2030.	2020, 2030	 Ongoing Santa Barbara County Air Pollution Control District completed the Tri-Counties Hydrogen Readiness Plan (2017) as complementary to the Alternative Fuels Readiness Plan. The plan identifies several stations in the City of Santa Barbara suitable for adding hydrogen. The first hydrogen refueling station in the tri-county region opened in the City of Santa Barbara in 2016. The EV Alliance in collaboration with Santa Barbara County completed the Alternative Fuels Readiness Plan (2016) to guide the development of policies and infrastructure for the Central Coast region. The EV Communities Alliance completed the Electric Vehicles (EV) Readiness Plan for Ventura, Santa Barbara, and San Luis Obispo Counties (2014). The EV Readiness Plan recognizes the City of Santa Barbara for EVs in their vehicle fleet and as a regional leader in EV charging

stations.

	Emission Reduction Strategies			
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)	
⊘	Ongoing Completed			
⊘	10. Alternative fuel infrastructure Partially implements EIR RM AQ-1/ GP Policy ER8, ER8.1 Provide expedited processing for projects providing alternative/advanced fuel infrastructure.	2015	Expedited processing for EV charging stations established in 2018. Other progress as noted in MMRP Class III Impacts, Air Quality Measure #1, Reduce Sources of Air Pollutants.	
	11. Small wind generators Study issues; develop siting standards.	2020	No Budget or Work to Date Per state legislation, California counties have adopted ordinances for the installation of small wind generators but no work has been initiated for the City.	
②	12. Facilitate renewable energy technologies Promote flexible design standards, streamlined permitting, and other incentives.	2020	Ongoing Expedited solar permitting review process is available for systems of 10kW AC rating or less on one or two unit residential dwellings or accessory structures.	
Ø	 13. Solar energy Encourage solar photovoltaic (PV) arrays for new development: (a) Multi-Family Residential (≥3 du): Minimum 2 kW system required if feasible. (b) Small Residential (1-2 du): 300 SF roof area for future solar installation required if feasible. (c) Commercial/industrial: Minimum 5 kW system per net new SF, or PV system providing 30% of average energy demand required. 	2015, Ongoing	Complete In 2018, the California Energy Commission voted to add energy efficiency standards to the state building code (Title 24), requiring solar panels on all new homes under three stories. The standards take effect in 2020. "Solar Ready" roof space design provision is required on newly constructed single unit, 3 stories or fewer multiunit residential buildings, and commercial buildings under 10 stories. Ongoing Project applicants receive advisory statements reflecting City policies in support of solar energy facilities.	

Travel and Land Use Strategies

Travel and land use measures aim to reduce carbon emissions from the combustion of petroleum-based vehicle fuels. Examples of local methods to reduce vehicle trips and associated emissions include telecommuting, alternate work hours, ride sharing, car sharing and enhancing the convenience of using alternatives to driving alone. Land use measures include designations and incentives to establish housing closer to employment and local services. The CAP measures below include continuing and expanding existing City and community-wide travel and land use strategies that reduce carbon emissions from single occupancy petroleum-based vehicles.

City Facilities and Operations

②	14. Fleet vehicles Transition City fleet vehicles to more alternative technologies/fuels with lower carbon emissions.	Ongoing	The City maintains 38% of its fleet with electric vehicles and/or run on alternative fuels (e.g., biodiesel, hydrogen, etc.). Previous reports included a higher percent of alternative technology/fuel vehicles in the City's fleet; however, several vehicles are ethanol capable but not using ethanol as fuel, so they are no longer counted.
②	15. City employee travel changes Incorporates EIR MM Trans-2c/ GP Policies C6, C6.3 - 6.4, C6.6-6.8 Expand programs to reduce employee commute and work-related vehicle trips.	Ongoing	See MMRP Class I Transportation Measure #5, Expand Transportation Demand Management (TDM) Program.

	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)
	Ongoing Completed	ruiget	implementation, status (2020-2020)
mn	nunitywide Measures – Land Use	2015,	Complete
	16. Mixed use land use policies Implement new policies for smaller unit and density incentives to encourage workforce and affordable housing close to transit, services, employment.	Ongoing	 Implementing activities include the Nonresidential Growth Management Ordinance / Traffic Management Strategy, Average Unit-Size Density (AUD) Incentive Ordinance, and the Accessory Dwelling Unit (ADU) Ordinance. See the AUD high density and priority overlay. Housing units under the AUD program are located close to transiservices and employers.
	17. Sustainable neighborhood plans	2020,	No Budget or Work to Date
	Develop neighborhood plans to enhance livability and accessibility, and reduce carbon footprint.	2030	The City has not initiated work on the Sustainable Neighborhood Plans; however, the Mesa Architects neighborhood volunteer group has started initial work o a Mesa Village neighborhood plan.
	18. Experimental development	2015,	Complete
	Establish permit process and flexible standards on limited basis for alternative development materials and techniques that reduce carbon.	Ongoing	Green roof design criteria and procedure outlined in the City's Storm Water Best Management Practices Guidanc Manual (2013); however, Fire Code update prohibits green roofs in designated High Fire areas.
			No Budget or Work to Date Permit process and flexible standards.
	19. Complementary land uses	2020,	Complete
	Incorporates EIR MM Trans-2a/ GP Policy LG4.4 Establish provisions to facilitate uses serving	Ongoing	See MMRP Class I Transportation Measure #3, Neighborhood Stores.
	daily needs of neighborhoods and employment areas as part of downtown infill, mixed-use development, and Sustainable Neighborhood Plans.		Mixed-use development and downtown infill projects are ongoing but unclear if complementary new uses or local serving businesses are included as part of these new developments.
			No Budget or Work to Date
			Sustainable Neighborhood Plans (see CAP Strategy #17).
	20. Electric vehicle (EV) charging stations	2015 and	CompleteInstalled 8 public EV charging stations at City parking lot
	Incorporates EIR RM AQ-1/ GP Policy ER8,	Ongoing	EV charging station expedited permit process.
	ER8.1		See MMRP Class III Air Quality Measure #1, Reduce Sources of Air Pollutants.
	Work with the business community and interest groups to facilitate installation of a		Ongoing
	network of additional EV charging stations:		Implementation of the PEV Readiness Plan.
	Install stations in City parking facilities.		No Budget or Work to Date
(PEV) Readiness Plan for	Implement the Plug-In Electric Vehicle (PEV) Readiness Plan for the Central Coast (sites, grants, outreach).		Designate zones and land uses for quick charging and slow charging EV facilities.
	Expedited permit process for EV charging stations.		
	Consider requiring EV pre-wiring; designating zones for quick and slow charging facilities; requiring % required parking with EV charging equipment.		

	Emission Reduction Strategies			
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)	
✓	Ongoing Completed	•		
Comi	munitywide Measures - Transportation			
②	21. Pedestrian infrastructure Incorporates EIR MM Trans-2d/GP Policy C1.1 Continue to implement additional pedestrian improvements.	2020, Ongoing	See MMRP Class I Transportation Measure #6, Enhance Bicycle and Pedestrian Access and Infrastructure.	
②	22. Bicycle infrastructure improvements Incorporates EIR MM Trans-2d/GP Policy C1.1 Continue to implement additional Bicycle Master Plan measures and safe routes to school improvements. Coordinate with South Coast agencies to expand regional routes.	2015, Ongoing	See MMRP Class I Transportation Measure #6, Enhance Bicycle and Pedestrian Access and Infrastructure.	
⊘	23. Personal transportation Incorporates EIR MM Trans-2c/ GP Policies C6, C6.3 - 6.4, C6.6-6.8 Work with business and community to establish car and bicycle sharing programs.	Ongoing	 Complete Carshare Vehicle Program initiated in 2017. South Coast Bike Share Feasibility Report prepared for UCSB, Isla Vista, Santa Barbara, Goleta, and Santa Barbara City College in 2017. Ongoing See MMRP Class I Transportation Measure #5, Expand TDM Program. City staff is monitoring the bike sharing program initiated at UCSB in 2018 and consulting with bike sharing programs system operators. The City's bike sharing ordinance is anticipated in 2018. 	
•	24. Inter-modal connections Continue to improve route connections between car pool vehicles, transit, bicycles, and pedestrians.	Ongoing	Ongoing Inter-modal connections are included in projects as applicable; examples include bike/pedestrian components of roundabout and bridge designs.	
•	25. Optimize roadway capacity, flow Continue to use and refine Intelligent Transportation System (ITS) techniques such as signal timing.	Ongoing	Ongoing • The City continues to use and refine ITS.	
•	26. Mid-block traffic improvements Incorporates EIR MM Trans-1b/GP Policy C1.5 Continue measures to improve mid-block flow, connectivity, and sustainable mode access.	Ongoing	See MMRP Class II Transportation Measure #25, Implement a "Friction" – Reducing Program for City Streets.	

	Emission	Reduct	ion Strategies
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)
\bigcirc	Ongoing Completed	•	
•	27. Regional transportation and transit Incorporates EIR MM Trans-2f/GP Policy C2.2, 2.3 Continue to coordinate regionally to improve network efficiency in conjunction with Sustainable Communities Strategy (SCS) planning.	Ongoing	Ongoing See MMRP Class I Transportation Measure Class I #8, Improve Transit Services. Regional transportation coordination occurs through SBCAG's Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS). The latest update (Fast Forward 2040) was adopted in 2017. In Progress The Highway 101 High-Occupancy Vehicle (HOV) Lane project final revised EIR was released in 2017. The project is undergoing further design for permitting and analysis of funding options.
②	28. Vehicle speeds Advocate legislation to promote speed limits that consider street design, land uses, travel modes.	2015	 In Progress The City's Legislative Platform specifically supports strategy #28.
•	29. Bus pull-out right of way Advocate legislation to facilitate buses merging back into traffic.	2015	 In Progress The City's Legislative Platform specifically supports strategy #29.
•	30. Circulation improvements Incorporates EIR MM Trans-1a/ GP Policy C6.1 and MM Trans-1c/GP Policy C6.2 Identify intersection deficiencies, improvements, funding, and install improvements.	Ongoing	See MMRP Class I Transportation Measure #1, Installation of Improvements at Intersections Currently Controlled by Stop Signs and #2, Intersection Master Plan to Address Problem Intersections.
②	31. Transit passes Incorporates EIR MM Trans-2c/ GP Policies C6, C6.3-6.4, C6.6-6.8 Establish program to require employer-paid transit passes; work with region to include bus and rail.	Ongoing	Ongoing See MMRP Class I Transportation Measure Class I #5, Expand TDM Program.
⊘	32. Parking policies Incorporates EIR MM Trans-2e/ GP Policy C6.5, C7, C7.1 Continue to refine parking policies in support of traffic management and reduced vehicle emissions.	Ongoing	Complete Average Unit-Size Density (AUD) Incentive Program adopted in 2013 includes reduced parking requirements. The Accessory Dwelling Unit Ordinance adopted in 2018 reduces parking requirements per state law. Ongoing See MMRP Class I Transportation Measure #7, Parking Management.
•	33. Car-pooling and telecommuting Incorporates EIR MM Trans-2c/ GP Policies C6, C6.3 - 6.4, C6.6-6.8 Continue to work with public/private interests and regional partners to promote carpooling/ telecommuting.	Ongoing	Ongoing See MMRP Class I Transportation Measure #5, Expand TDM Program.

	Emission Reduction Strategies			
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)	
⊘	Ongoing Completed	•		
②	34. Car-sharing Incorporates EIR MM Trans-2c/ GP Policies C6, C6.3 - 6.4, C6.6-6.8 Continue to work with public/private interests and regional partners to establish car sharing programs.	Ongoing	See MMRP Class I Transportation Measure #5, Expand TDM Program. Also see CAP Strategy #23 regarding car sharing.	
	35. Development impact fees Incorporates EIR RM Serv-3/ GP Policy EF26 Conduct feasibility study of development fee to fund circulation improvements.	2015	Development fee to fund periodic traffic model updates was adopted (2013) and is applied to projects. Ongoing See MMRP Class III Public Services Measure #22, Development Impact Fee. No Budget or Work to Date Feasibility study of development fee to fund circulation improvements.	
•	36. Street widths Continue to consider street width or lane reductions to accommodate improvements where appropriate.	Ongoing	Street width and lane reductions are considered in appropriate circumstances, including implementation of Bicycle Master Plan and Pedestrian Master Plan.	
	37. New development vehicle emissions Require new development to demonstrate how projects will support the City in attaining GHG vehicular emissions reduction targets established by SBCAG pursuant SB 375.	2015	No Budget or Work to Date Per the Fast Forward 2040 (2017), the California Air Resources Board (CARB) set a SB 375 regional GHG emission reduction target of a zero net increase in per capita GHG emissions from vehicles and trucks in 2020 and 2035 compared to 2005 emissions. In 2018, CARB adopted a new target of a 13% decrease in GHG emissions by 2020 and a 17% reduction by 2035. To date, individual development projects have not been charged with demonstrating how to support these targets.	
⊘	38. Marine shipping emissions Support regional and state efforts to reduce marine shipping emissions.	Ongoing	 Complete/Ongoing The City worked with SB County Air Pollution Control District (APCD) to advocate for reduced ship speed limits through the SB channel to reduce GHG emissions. The APCD, working with partners, initiated a Vessel Speed Reduction (VSR) Incentive Trial Program in the SB Channel in 2014, with six shipping companies participating. In 2017, 11 global shipping companies participated in VSR in San Francisco Bay area and SB Channel, resulting in reductions from baseline emissions of more than 2,600 metric tons of regional GHG. In 2018, the APCD implemented a voluntary VSR incentive program (i.e., financial award and positive public relations) to reduce air pollution and fatal ship strikes on whales. 	

Emission Reduction Strategies			
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)
	Ongoing Completed		

Vegetation Strategies

Trees are an important factor in climate change because they remove carbon emissions from the atmosphere by photosynthesis or growth (known as carbon sequestration), as well as providing cooling shade. There are many activities to provide and preserve trees and vegetation in Santa Barbara including *Santa Barbara Beautiful* financing the planting of street trees, the City's parks, landscape, and tree maintenance program, City tree preservation policies and landscape guidelines, and creeks restoration. The CAP measures below are additional future communitywide measures.

Communitywide Measures - Vegetation

•	39. Tree planting Plant 1,000 net new trees to increase carbon sequestration.	2030	 Ongoing The City with Santa Barbara Beautiful planted 265 street trees since FY13. The City's Creek Restoration Program resulted in 135 trees planted since FY13 and 384 riparian trees and shrubs planted since FY14. In 2014 the City suspended tree planting activity in light of severe drought conditions, including 120 trees programmed for Mission Creek. Activity will resume as soon as feasible.
	40. Street trees Update Street Tree Master Plan to address long-term tree preservation measures.	2015, Ongoing	 Ongoing Urban Forest Master Plan (2014) has direction for updating Street Tree Master Plan. Historic and Specimen Tree Drought Action Plan prepared in 2014. Vacant street tree site inventory initiated in FY15. Street Tree Infrastructure Study completed for Downtown, Westside, Eastside neighborhoods. No Budget or Work to Date 2018-2023 CIP includes proposed funding to update the Street Tree Master Plan starting in 2018.
	 41. Tree and landscaping protection Incorporates EIR RM Bio-1/GP Policy ER11-11.3 Protect native trees and promote use of native, drought-tolerant species in landscaping. Update ordinance to protect native and exotic trees. Site new development to protect specimen oaks and oak woodland habitat. Create enforcement/mitigation program for removal, severe pruning without a permit, or neglect of protected trees (street trees, front yard trees, and historic or otherwise designated trees). 	2015, Ongoing	Ongoing See MMRP Class III Biological Resources Measure #2, Oak Woodland Protection. The City promotes sustainable landscaping including use of native and drought-tolerant species. In Progress See MMRP Class III Biological Resources Measure #2, Oak Woodland Protection. No Budget or Work to Date Ordinance update to specifically protect native oaks, other native, or exotic trees (note: existing ordinance protects oak trees and requires mitigation in certain areas of the City).

	Emission Reduction Strategies				
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)		
⊘	Ongoing Completed				
•	 42. Urban heat island effect Incorporates EIR RM Energy-2/GP Policy ER1.3 Amend zoning ordinance standards to decrease impermeable surfaces and building areas relative to lot size. Coordinate with Fire and Public Works/Transportation to change roadway standards allowing more permeable surfaces. Provide incentives for projects 	2020	See MMRP Class III Energy and Climate Change Measure #25, Exterior Heat Gain Standards.		
②	incorporating cool roofs and green roofs. 43. Regional open space preservation Incorporates EIR MM Vis-2/ GP Policy OP2.3 Coordinate with agencies to protect regional open space in Las Positas Valley, foothills, and other areas as appropriate.	Ongoing	Ongoing See MMRP Class II Open Space and Visual Resources Measure #21, Preservation of Regional Open Space.		

Waste Reduction Strategies

Landfills and wastewater treatment plants generate methane, a very potent greenhouse gas. Methane capture for energy use or flaring can reduce these emissions. Another waste reduction strategy focuses on diverting materials from waste disposal through reuse, recycling, and composting to reduce the energy use and emissions associated with product manufacturing and transport. California legislation in 1989 required 50% diversion of solid waste from landfills by the year 2000. Subsequent legislation has set a statewide recycling goal of 75% reduction by 2020 focusing on source reduction, recycling and composting. Actions by private community members, organizations, and businesses are key to reducing and diverting waste in Santa Barbara. The following CAP strategies are additional City and community waste reduction activities.

City Facilities and Operations

②	44. City business purchasing guidelines Amend City procurement guidelines to increase use of recycled materials in City operations.	2015	Ongoing The City's Environmentally Preferred Purchasing Policy, adopted in 2008, remains in effect. No Budget or Work to Date The policy has not been updated since 2008.
	45. City facilities recycling Expand recycling programs at City facilities with goals of 50% diversion by 2015; 60% by 2020.	2015,	 Ongoing For 16% of City facilities and buildings, 2/3 of monthly trash disposal is mixed recycling. Mixed recycling program has been expanded at three City facilities. Staff-produced employee training videos on Basic Recycling, Zero Waste Events, E-Waste Disposal, and Source Reduction are shown at New Employee Orientation. In 2016, City facilities had a goal of 50% diversion but did not achieve that target due to staffing shortages. In 2017, the diversion rate was 33%. Staff has decided to adopt the California Statewide diversion goal of 75% for City Facilities going forward. Waste audits have been conducted at all City facilities to evaluate the needs of all waste streams including trash, recycle, greenwaste, foodscraps, batteries, and electronic waste. Service adjustments and staff trainings will be scheduled through the middle of 2019 to achieve an updated diversion goal of 75%.

	Emission Reduction Strategies			
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)	
₹	Ongoing Completed			
•	46. Electronic processes Reduce printing with more electronic processes.	2015	Procedures are in place (e.g., SharePoint collaboration and Questys document review system). Replacing hard document printing with electronic measures is covered in City employee trainings.	
•	47. City coordination with region Continue coordination with County and cities on waste management.	2020	Ongoing City continues to coordinate on regional waste management initiatives including: Tajiguas Landfill Resource Recovery Project for additional diversion and recyclables recovery (see CAP #48 and #50); Operation Medicine Cabinet; Household Hazardous Waste collection; and, Attending Local Task Force meetings as required by AB 939.	
•	48. Waste-to-energy facility at landfill Incorporates EIR MM PU-1/GP Policy ER22.4 Partner with Santa Barbara County and other agencies to establish conversion technology at Tajiguas Landfill.	2015	Ongoing See MMRP Class II Public Utilities Measure #22, Waste-To-Energy.	
Comi	munitywide Measures			
②	49. Communitywide waste diversion Achieve 75% waste diversion from landfill disposal by 2020.	2020	Ongoing The City has achieved the following communitywide diversion rates, in conformance with State-mandated diversion targets: • State formula: 69% (2015) • Curbside diversion: 41% (2017)	
•	50. Regional materials recovery facility (MRF) Incorporates EIR MM PU-1/GP Policy ER22.4 Continue pursuing establishing regional MRF.	2015	Ongoing • See MMRP Class II Public Utilities Measure #22, Waste-To-Energy. A component of this project would modify existing operations to add a MRF.	
⊘	51. Waste audit information for business Incorporates EIR MM PU-1/GP Policy ER22.5 Continue conducting business waste audits with Green Business Program.	2015	Complete/Ongoing See MMRP Class II Public Utilities Measure #24, Increase Diversion. City staff continues to conduct business waste audits and contact businesses to encourage waste reduction and recycling.	
⊘	52. Recycling education campaigns <i>Incorporates EIR MM PU-1/GP Policy ER22.5</i> Continue to develop outreach and incentive programs for recycling.	2015	 Complete/Ongoing See MMRP Class II Public Utilities Measure #24, Increase Diversion. The City has developed and aired multiple radio and television spots, banner ads, vignettes (<i>Inside Santa Barbara</i>) to promote business waste recycling, services available to customers under the franchise agreement with MarBorg, electronic waste collection events, cell phone & battery collection, and bulky waste collection/illegal dumping prevention. 	

	Climate Plan Strategy Target Implementation/ Status (2013-2018)				
	Ongoing Completed		, , , , ,		
	53. Single-use packaging reduction <i>Incorporates EIR MM PU-1/GP Policy ER22.5</i> Consider ordinance options to discourage single use materials and reduce packaging.	2015	Complete/Ongoing See MMRP Class II Public Utilities Measure #24, Increase Diversion. The State (CalRecycle's) Manufactures Challenge focuses on product manufacturers and brand owners collectively and voluntarily achieving a 50% reduction in packaging disposed to landfills by 2020.		
2	54. Business and Multi-Family Recycling Ordinance Incorporates EIR MM PU-1/GP Policy ER22.5 Develop a City ordinance requiring recycling in businesses and multi-family residences compliant with the State's Mandatory Commercial Recycling Law (AB 341).	2015	Complete/Ongoing See MMRP Class II Public Utilities Measure #24, Increase Diversion.		
	55. Construction waste hauling program enforcement Incorporates EIR MM PU-1/GP Policy ER22.5 Increase enforcement of City's Unscheduled Collection Ordinance to ensure construction debris is recycled.	2015	Ongoing See MMRP Class II Public Utilities Measure #24, Increase Diversion.		
	56. Increased recyclables sorting Incorporates EIR MM PU-1/ GP Policy ER22.4 and 22.5 Pursue increased waste diversion by increased recyclables sorting (through waste management contracts or materials recovery facility [MRF]).	2015	Complete/Ongoing See MMRP Class II Public Utilities Measures #22, Waste-To-Energy and #24, Increase Diversion.		
	57. School waste diversion Continue program with district schools to establish recyclables and food scrap collection.	2015	Complete/Ongoing Recycling programs are implemented at all schools in th Santa Barbara Unified School District (SBUSD). All junior high and high school cafeteria kitchens and several elementary schools in the SBUSD collect food scraps.		
	58. Materials reuse/recycling for builders Incorporates EIR MM PU-1/GP Policy ER22.5 Establish data/outreach connecting builders to salvage/recycled building materials.	2015	Complete/Ongoing • See MMRP Class II Public Utilities Measure #24, Increase Diversion.		
	59. Building space guidelines for waste Update City's space enclosure guidelines for new development.	2015	Complete A revised Waste Enclosure Guide was completed in 201 and released to architects, other jurisdictions, and the State.		
	60. Additional recycling materials Incorporates EIR MM PU-1/GP Policy ER22.5 Pursue measures to add more materials to recycling/organics diversion.	2020	Ongoing • See MMRP Class II Public Utilities Measure #24, Increase Diversion.		

	Emission	Reduct	ion Strategies
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)
	Ongoing Completed		
	61. Additional green waste capacity Pursue measures to increase local green waste capacity.	2020	In Progress The Tajiguas Resource Recovery Project includes new facilities to sort and process organics, resulting in an increased capacity to process green waste. See MMRP Class II Public Utilities Measure #22, Solid Waste Management.
②	62. Additional recycling in public places Install additional recycling containers in public parks and streets.	2020	Ongoing In 2015, the City approved a new Public Container Master Plan, including a repair and replacement schedule for public trash and recycling containers throughout the City. The program maintains the current inventory of trash and recycling containers.
			 Additional containers are added in response to resident requests based on need and funding. Currently approximately 22 new containers are placed in
			parks annually.
⊘	63. Additional composting Work with public and private entities to increase composting.	2020	The commercial food scraps composting program has over 200 participating businesses. Food scraps collection service captured over 9,000 tons of food scraps since FY 2013.
•	64. Single-use bag reduction Implement ordinance to regulate distribution of single-use bags.	2015	Complete • See MMRP Class II Public Utilities Measure #24, Increase Diversion.

Water Conservation Strategies

Water supply facilities use energy for water transport and processing. The State Water Project is the largest single user of energy in California, particularly because of large energy requirements to pump water over mountains. Local water processes require less energy, but can be cumulatively substantial. Water conservation saves electricity and thus reduces carbon emissions; it also benefits the community with lower costs and more options for supplying water needs. There are multiple efforts to conserve water use and reduce associated energy use in Santa Barbara over the past several decades. The City's water conservation efforts are currently "extraordinary" triggered by Stage 3 drought conditions declared by City Council on May 5, 2015. The CAP measures continue the City's existing programs.

City Operations and Facilities

⊘	65. City facilities – water conservation Continue upgrading equipment and expanding water-conserving practices.	Ongoing	Waterfront Department converted remodeled restroom toilets to use recycled water. Ongoing
			 recreation facilities. Assisting with extraordinary conservation measures at City facilities with technical assistance, signage, and incentives.

Emission Reduction Strategies			
	Climate Plan Strategy	Target	Implementation/ Status (2013-2018)
(V)	Ongoing Completed	•	
Comr	nunitywide Measures		
	66. Community water conservation Expand water conservation measures, including services to water customers; public information and education; landscape and building design standards; and regional coordination.	2015, Ongoing	 Ongoing City works with the County's Water Agency in implementing the regional water efficiency program including outreach, advertising, workshops, regional website, school programs, awards, and drought forums. City's Drought Information and Water Conservation websites provides extensive information and educational resources. Continued high demand for free Water Checkup service and landscaping rebates for residents and businesses. CII Survey and Incentive Program for large commercial, institutional, and industrial users to identify cost effective retrofits and upgrades. Ongoing interagency coordination, e.g., with State Water Resources Control Board; County Water Agency; area cities and water districts; Cachuma Operations and Maintenance Board (COMB), Integrated Regional Water Management Plan (IRWMP) for Santa Barbara County; agency consultations during drought.
⊘	67. Recycled water Expand City programs for use of recycled water and work towards reducing need for blending potable water.	2020, 2030	Complete In 2015, the City began distributing recycled water from the newly constructed Tertiary Treatment facility; thus eliminating potable blending. Ongoing Continuing to connect new sites to the recycled water system including adjacent potable customers and adjacent development projects.
•	68. On-site water storage and reuse Identify guidelines for cisterns and grey water use.	2020	Complete/Ongoing Water Division worked with Community Development Department on the New Zoning Ordinance to allow cisterns and rain barrels in the setback. Developed permit-free simple graywater system guidelines and registration form. Incorporated rainwater harvesting gardens into landscape rebate. Eligible materials include rocks and mulch for basins and swales. City guidelines for laundry to landscape systems, simple systems, and permitted gray water are being highlighted during drought. Ongoing hands-on workshops and rebates for laundry to landscape systems. Ongoing Rainwater Harvesting 101 and Graywater 101 classes.

Adaptation Strategies			
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)

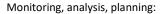
Adaptation Planning Strategies

Because high atmospheric carbon dioxide levels are already in place, climate changes are projected to occur over the coming decades despite efforts made now to reduce the rate of carbon emissions. Existing community and City programs that benefit planning for climate adaptation include emergency plans, hazard mitigation plans, habitat restoration, and safety element policies. The following strategies identify further measures to plan for adaptation to future climate changes.

69. Planning for adaptation

Timeline:

- Include an est. timeline for climate changes in CAP.
- Periodically update timeline as part of the General Plan AMP, and consider climate change in designing projects for CIP list.





- Monitor local changes and analyze effects
- Conduct vulnerability analysis.
- Identify options and priorities, and implement adaptation planning measures.

2020, Comp 2030 • Ti

- Timeline of climate change effect included in 2012 CAP (Fig. ES-2). An updated timeline of climate change effects prepared in 2018.
- Preliminary Sea Level Rise (SLR) Vulnerability Assessment included in 2012 CAP.
- UCSB Bren Students conducted City of SB SLR Vulnerability Assessment in 2015.
- Sea Grant's 2017 Santa Barbara Area Coastal Ecosystem Vulnerability Assessment (SBA CEVA) study forecasts local climate changes (sea level rise, flooding, erosion, temperature) and studies the effects on local coastal ecosystems (beaches, wetland, and watersheds).
- Modeling of coastal hazards due to SLR up to 2100 prepared by ESA and the USGS Coastal Storms Modeling System (CoSMoS).

Ongoing

- National Oceanic and Atmospheric Administration (NOAA) tide gauge provides ongoing monitoring of sea level changes.
- When applicable, capital improvement projects consider sea level rise as part of project design.

In Progress

 Sea Level Rise Adaptation Plan initiated in 2017 funded by a grant from the California Coastal Commission (CCC).



	Adaptation Strategies			
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)	
	 70. Coordination of climate planning efforts Continue to coordinate climate-planning efforts: Coordinate monitoring, analysis, adaptation planning among departments, agencies, community Team with educational institutions to evaluate climate information; develop more detailed analysis of local Santa Barbara changes. Pursue grant funding for climate studies and adaptation planning and projects Establish public information mechanisms for climate change and adaptation planning 	Ongoing	 Complete Update to the Multi-Jurisdictional Hazard Mitigation Plan (2017). USGS informational presentation of CoSMoS results to internal city staff (2017). Santa Barbara Area Coastal Ecosystem Vulnerability Assessment (SBA CEVA; 2017) Multi-agency Goleta Slough SLR and management study (2015). Ongoing Coordination: City's Council Sustainability Committee review of sustainable facilities and operations projects. Multi-agency Santa Barbara County, Goleta and Carpinteria SLR coastal hazards modeling. The Nature Conservancy's (TNC) Coastal Resilience Network. Teaming with educational institutions: See CAP Strategy #69 City participates in USC Sea Grant CA Coastal Impacts Project webinars and workshops. Grant funding: See CAP Strategy #69. Public Information: The City's Sustainability and LCP Update web page. TNC's Coastal Resilience and USGS CoSMoS web pages (displays coastal hazards modeling).	
Eme	rgency Preparedness Strategies			
	71. Emergency response strategies Incorporate climate change effects into emergency response strategies.	2015	No Budget or Work to Date The City's Emergency Management Plan (2013) focuses on potential large-scale disasters and includes assessments of threats from existing flooding, wildfire, and landslides hazards, which could be exacerbated by climate change. It does not specifically incorporate climate change effects but, given there is no history of large-scale climate change induced disasters in the City, it may be premature to incorporate this information at this time.	
	72. Emergency workforce Work with region to ensure essential workers are available for disaster response.	2015, Ongoing	Complete Cottage Hospital workforce housing project established housing within the City for hospital employees. No Budget or Work to Date No regional or City efforts toward ensuring essential workers for disaster response.	

Adaptation Strategies			
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)
	73. Public education for emergencies Promote public education on emergency preparedness to enhance community	2015, Ongoing	Complete/Ongoing Regular Community Emergency Response Team (CERT) classes held. Listos Day basic emergency and disaster readiness
	resilience.		program for Spanish-speaking populations held in collaboration with FEMA.
S			Office of Emergency Services (OES) web page includes emergency plans, videos, Get Ready Santa Barbara Newsletter (also sent to all City employees and through social media) and other resources.
			City is a partner in the Aware and Prepare program to strengthen community disaster resiliency.
			City participates in the Nextdoor private social network to improve communication and share City information.
	74. People with disabilities Update emergency response plans to address special needs of people with	2015, Ongoing	 Complete City emergency response plans include provisions for people with disabilities.
	disabilities.		Provisions to be incorporated into Advanced CERT Classes.
	75. Community resilience planning	2020	No Budget or Work to Date
	Participate in community resiliency planning process to improve initial response and relief, and later recovery. Develop: Maps and inventories of relief resources.		
	 An outline for development of neighborhood plans. 		
	 Outline of additional community actions or projects (e.g., communications system improvement). 		
	Plan Process:Conduct resilience planning as a broad, cross-sector, coordinated effort.		
Wildt	ire, Flooding, Water Quality Strategies	l	
	76. Limit residential development	2015	Complete
	in high fire hazard areas Further limit residential development in high fire hazard areas with incentives and/or		General Plan and Zoning map updates (2011-12) reflected no density increases in high fire hazard areas.
	transfer of development rights.		Accessory Dwelling Unit Ordinance prohibits ADUs in the City's Extreme Foothill High Fire Hazard Area. Podent of World to Podent
			No Budget or Work to Date Incentives/transfer of development rights.
	77. Fire prevention and creek	2015	Ongoing Ongoing coordination between departments.
	restoration Coordinate fire prevention and creek protection planning through development of best practices.		 Origonia coordination between departments. In Process City efforts are underway to update best practices guidance for future projects.

	Adaptation Strategies			
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)	
②	78. Water system improvements for firefighting Incorporates EIR RM Haz-3/ GP Policy S44 Evaluate potential additional water system improvements to assist emergency preparedness and incorporate feasible measures into the CIP.	Ongoing	Ongoing See MMRP Class III Hazards Measure #10, Water System Improvements for Fire Fighting.	
②	79. Private water supplies for firefighting Incorporates EIR RM Haz-3/ GP Policy S45 Promote and assist owners in high fire hazard areas to install private emergency water supplies, consider expedited permit review.	2015, Ongoing	See MMRP Class III Hazards Measure #10, Private Water Supplies for Fire Fighting.	
•	80. Floodplain mapping update Update Flood Insurance Maps (FIRM) floodplain boundaries for Special Flood Hazard Area maps. Update maps to incorporate sea level rise forecasts.	2020	Federal Emergency Management Agency (FEMA) issued updated existing floodplain hazard maps in 2015. FEMA issued updated floodplain mapping (FIRM) based on coastal flood risk and wave hazard data for the open coast, known as the Open Pacific Coast Study, in 2017. FEMA does not incorporate sea level rise forecasts into their mapping products but they do produce non-regulatory products to communicate risk.	
	81. Creek resources and water quality Incorporates EIR RM Hydro-1/GP Policy ER19.4 and EIR RM Hydro-2/GP Policy ER19.5 Encourage development and infrastructure consistent with City policies addressing storm water, watersheds, creeks, water quality, open space, public access/awareness. Develop: Comprehensive creek action plan Master drainage plan Beach water quality improvement Watershed action plans	2025, Ongoing	 Complete Laguna Watershed Study Final Project Report (2013). Ongoing Development projects address creek and water quality issues where applicable. See EIR MMRP Class III Hydrology and Water Quality Measures #13 Beach Water Quality Improvement and #14 Watershed Action Plans. No Budget or Work to Date Comprehensive Creek Action Plan. Master Drainage Plan. Watershed Action Plans for Mission, Sycamore, and Arroyo Burro watersheds. 	

	Adaptation Strategies			
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)	
Coas	tal Vulnerability and Adaptation Planning	Strategie		
◇	 82. Monitoring, data collection, and analysis of sea level rise Partially incorporates EIR MM Geo-1a and RM Geo-1a/GP Policies S23-25, S51 Develop the following data and analysis to support adaptation planning: Protect ongoing functioning of NOAA tide gauge. Establish transects for regular monitoring of sea cliff erosion. Establish winter and summer beach profiles for annual monitoring. Obtain topo and develop projected future flooding/inundation maps. 	2020	 Complete Tide gauge functioning is controlled by the National Oceanic and Atmospheric Administration (NOAA). Transects for regular monitoring of sea cliff erosion were established in the United States Geological Survey Coastal Storm Modeling System (CoSMoS). Ongoing See MMRP Class II Geological Conditions Measures #7 Updated Bluff Retreat Policy & Review Guidelines and Class II #8 Shoreline Management Plan. 	
②	83. Sea level rise (SLR) risk assessment and vulnerability analysis Partially incorporates EIR MM Geo-1b/ GP Policy S54 Conduct periodic studies of future sea level rise effects on storm flooding, beach/ cliff erosion, inundation, and ground water.	2020	See CAP Strategy #69 Planning for Adaptation and MMRP Class II Geological Conditions Measures #7-8 and Class III #7.	
	 84. Incorporate adaptation in development Incorporate climate adaptation in development and public facility projects. Estimate useful life of projects and incorporate adaptation into project siting/design. Prepare development adaptation guidelines. 	2015, Ongoing	Complete The Airport Master Plan update considers adaptation measures addressing future SLR and increased airfield flooding. Ongoing Development permitting considers effects of SLR per CCC SLR Policy Guidance. No Budget or Work to Date Adaptation to other climate change effects.	
	 85. Sea level rise adaptation (2020) Incorporates EIR MM Hydro-1a/GP Policy ER4.2 Identify policy options, costs, consequences for addressing SLR adaptation, including: Techniques to minimize wave damage. Review SLR hazard to public facilities/utilities. Consider adaptation measures. Coordinate with private owners on techniques for structural adaptation/design. 	2020	In Progress See CAP Strategy #69 and MMRP Class II Hydrology & Water Quality Measure #12 Sea Level Rise.	

Adaptation Strategies				
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)	
	 86. Future inundation Consider options for adaptation to future permanent inundation due to sea level rise. Mandatory rolling setbacks over time. Restricting rebuilding damaged structures. Relocation policies & funding/tax incentives. Evaluating cost, impact, lifespan of seawall along Cabrillo Boulevard & Shoreline Drive. 	2020	In Progress • See CAP strategy #69 and #85 Sea Level Rise Adaptation. Proposed adaption plan will consider various options.	
②	 87. Bluff retreat guidelines Partially incorporates EIR MM Geo-1a and RM Geo-1a/GP Policies S23-25, S51 All development shall consider effects of bluff retreat for life of project including climate change. Update sea cliff retreat formula (SE, LCP). Prepare guidelines for development on sea cliffs; incorporate in LCP. 	2015	Complete/Ongoing Coastal bluff retreat formula updated with Safety Element update (2013) and Coastal LUP Update (2018). Development permitting applies policies. See MMRP Class II Geological Conditions Measure #7.	
⊘	 88. Cliff erosion policies Incorporates EIR MM Geo-1a and RM Geo-1a/GP Policies S23-25, S51 Consider additional policies as part of future adaptation planning: Identify policy for relocation of structures as setback distance from cliff edge decreases. Identify further policies for control of drainage to reduce potential for cliff failure. 	2020	See MMRP Class II Geological Conditions Measures #7-8, Class III #7and Hydrology & Water Quality Measure Class II #12.	
	 89. Shoreline management plan Incorporates EIR MM Geo-1b/ GP Policy S54 Develop plan to manage/mitigate sea level rise impacts to public facilities and private property. Protection of sand transport/ replenishment Natural bluff stabilization/erosion control Non-intrusive methods for sand retention Funding for beach, bluff retreat 	2020	In Progress • See MMRP Class II Geological Conditions Measure #8.	

	Adaptation Strategies				
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)		
	 90. Beach erosion policies Consider policies as part of adaptation planning: Allow beaches to gradually retreat Utilize beach nourishment and sand retention structures to maintain beach width Selective removal of back beach barriers to allow beaches to migrate landward 	2020	In Progress • See MMRP Class II Geological Conditions Measure #8.		
②	91. Coastal ecosystems study Seek grant funding for joint regional study of vulnerability & adaptation of coastal ecosystems to climate change effects.	2020	Sea Grant's Santa Barbara Area Coastal Ecosystems Vulnerability Assessment (SBA CEVA) study forecasts local climate changes (sea level rise, flooding, erosion) and studies the effects on local coastal ecosystems (beaches, wetland, and watersheds).		
Publ	ic Services Strategies				
	Partially incorporates EIR RM PU-1/GP Policy ER15 Assess effects of climate change on water supply as part of Long Term Water Supply Plan (LTWSP) updates; track impacts.	2015, Ongoing	 Ongoing See MMRP Class III Public Utilities Measure #23, Long-Term Water Supply Plan. LTWSP increased the Critical Drought Period from 5 years to 6 years, consistent with State guidance to plan for 20% increase in frequency and duration of drought periods. The City tracks changes in hydrology assumptions per State Department of Water Resources CALSIM computer modeling of State Water reliability. The effects of climate change on water supply is being assessed by the California Department of Water Resources. Warmer temperatures are projected to melt the snowpack faster, making it more difficult to store and use. By the end of this century, the Sierra snowpack is projected to experience a 48-65 percent loss from the historical April 1st average, meaning less water will be available for Californians to use. 		
②	93. Regional cooperation - water supply Continue work with regional programs & projects to improve water supply reliability.	Ongoing	 Ongoing The City continues to be an active participant in the Integrated Regional Water Management (IRWM) process for the Santa Barbara County region. Supplemental water deliveries are coordinated on behalf of the City and other members by Central Coast Water Authority (CCWA). Work continues on the Regional Water Efficiency Program, including outreach, advertising, workshops, regional website, school programs, awards, and drought forums. Desalination reactivation provides another potential area for regional coordination. 		

	Adaptation Strategies				
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)		
②	 94. Local food cultivation Support local food cultivation/ marketing including: Farmers markets Gardener education Food scraps recovery/composting 	2030	Ongoing Three farmers market locations are permitted in the City (State Street, Cota Street, and Coast Village Road). Water Resources participates in training green gardeners on water wise landscaping and irrigation products and processes. Environmental Services implements food scraps recovery, and composting programs.		
	 95. Community gardens Support establishment of community gardens. Establish a program for vacant/underutilized properties for temporary community gardens. Provide infrastructure for community gardens. Work with school district to develop organic gardening program. 	2030	Ongoing Santa Barbara City College Center for Sustainability in partnership with the Orfalea Foundation's School Food Initiative creates and maintains a School Gardens Program. No Budget or Work to Date Program or infrastructure for public and private food gardens.		
②	96. Regional agriculture Support regional efforts to expand local food sources and directing local food to schools, grocers, and restaurants.	Ongoing	 Ongoing The City's legislative platform supports agriculture. The City adopted the Healthy Eating Active Living (HEAL) resolution in 2014 and participated in the Santa Barbara County Food Action Plan (2016 Final Report). 		
Biolo	Biological Resources Strategies				
	97. Wildlife, coastal, & native plan habitat protection Incorporates EIR MM Bio-1a and 1b/ GP Policies ER12, ER12.1, EIR MM Bio-2b and RM Bio-2/ GP Policies ER12.4 (c, d) and ER12.5, EIR RM Bio-3a/ GP Policy ER12.2, EIR RM Bio-3b/ GP Policy ER12.3(a, b). Protect remaining native plant/wildlife habitats. • Map and designate habitats • Develop multi-use plan for coast/ habitat restoration • Protect/restore coastal bluff habitat • Plan for native species habitat • Protect riparian woodlands	2020, Ongoing	Ongoing See MMRP Class II Biological Resources Measures #3 Upland Habitat and Species Protection, #5 Riparian Habitat and Species Protection, Class III #3 Creeks, Riparian Habitat and Species Protection, and Class III #4-5 Coastal Habitat and Species Protection.		

Adaptation Strategies				
	Climate Plan Strategy	Target	Implementation/Status (2013-2018)	
	98. Open space connectivity and trails Incorporates EIR MM Vis-1/ GP Policy OP1.2, EIR MM Vis-1/ GP Policy OP1.3, EIR MM Vis- 1/ General Plan OP2.1 and EIR MM Vis-2/ GP Policy OP2.3	2020, Ongoing	Ongoing See MMRP Class II Open Space and Visual Resources Measure #15-17 and #21 Preservation of Regional Open Space. Parks and Recreation and Creeks Division manages trails along creeks and other natural settings for	
②	Protect contiguous open space and connectivity. Identify key open spaces; implement actions to preserve. Manage trails for passive recreation and habitat corridors.		passive recreation and habitat protection.	
	 Site development to preserve open space and wildlife corridors. Coordinate with agencies to protect 			
	regional open space. 99. Creek setbacks, protection, restoration Incorporates EIR MM Bio-2a and 2b/ GP Policies ER21.3, ER21.4 and EIR MM Bio-2c/ GP Policy ER21.1(a) Protect and restore creeks and riparian habitat in conjunction with climate adaptation planning for biological, water quality, open space, flood control values. • Develop creek setback standards • Establish design guidance to development near creeks • Prohibit placement of concrete or piping of major creeks (except for repair or public safety), and remove concrete when feasible. • Restore or daylight 0.5 mile of surface drainages by 2030.	2020, Ongoing	Ongoing • See MMRP Class II Biological Resources Measures #4-6 Creeks, Riparian Habitat and Species Protection.	
Loca	100. Coordinate with local business Include in adaptation planning local industries that may be affected by climate change.	2015, Ongoing	 In Progress See CAP Strategy #69, #84, and #85. Public outreach, including the business community, will be conducted with a Sea Level Rise Adaptation Plan. However, there is currently no direct City activity broadly addressing climate change adaptation with local industries. Several existing programs and planning efforts have contact with businesses and provide opportunities to address this issue in the future including Southern California Energy Efficiency Program (SCEEP), the Green Business Program, and Water Conservation outreach. 	