

ENVIRONMENTAL WORK PLAN

The El Segundo City Council adopted the first Environmental Work Plan on January 8, 2008. This document is an updated Environmental Work Plan for the City. The Work Plan is not environmental requirements for the City, nor does it mandate any action for City Council or City department.

The recommendations outlined in the document are meant to be viewed as potential actions or “tools in the tool box” that can help the City to become more sustainable and “greener” as a community. Each potential action would require separate and individual approvals from the appropriate City staff and/or City Council prior to moving forward. It is anticipated that the Environmental Committee would annually prioritize a handful of actions that would guide their work for the upcoming year.

When the original Work Plan was adopted the City also established the Environmental Work Council, now called the Environmental Committee. The Environmental Committee is currently comprised of seven volunteer members representing El Segundo-based businesses, El Segundo residents, the El Segundo Unified School District, and El Segundo municipal staff.

The Environmental Committee is tasked with reviewing current City environmental practices and identifying new goals and objectives for City governance over municipal, residential and business entities within its jurisdiction. These goals and objectives are developed through focusing on and finding balance among the three pillars of Sustainability Standards-- Economic Vitality, Environmental Viability, and Social Equitability.

The 2017-2021 Environmental Work Plan is structured upon a framework of the following eight categories:

1. Energy Conservation
2. Solid Waste Reduction
3. Urban Planning and Development
4. Hazardous Waste
5. Transportation
6. Air Quality
7. Water Conservation
8. Governance

Identified under each category are recommendations to achieve environmental goals that meet or exceed the South Bay Cities Council of Governments Climate Action Plan in order to conserve energy and water, reduce waste, address global warming, tailor urban design, improve transportation options and reduce risks to human health. With this plan, the City will establish itself as an ecologically responsible entity, setting an example and supporting the commitment of residents and businesses alike to improving conservation and environmental quality outcomes.

Successful implementation of the Environmental Work Plan will ensure the City remains competitively poised for future growth and sustainability, preserving the health of its environment and residents for generations to come.

ENERGY CONSERVATION

In 2006, the state passed Assembly Bill 32 (AB 32), the Global Warming Solutions Act, which set statewide 2030 greenhouse gas emission reductions targets. This bill was followed by Senate Bill 32 (SB 32), which included additional long-range targets by 2050. Recently, in September 2018 the state passed Senate Bill 100 (SB 100),

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which requires the state to have 100% renewable electricity by 2045. To meet these lofty goals, generating more renewable energy will be vital as will conserving energy to avoid added strain on the electric grid.

To improve Energy Conservation, the objectives below are recommended. Details are included in Attachment A.

1. Increase Energy Efficiency (EE) in Existing Residential Units
2. Increase Energy Efficiency in New Residential Development
3. Increase Energy Efficiency in Existing Commercial Units
4. Increase Energy Efficiency in New Commercial Development
5. Increase Energy Efficiency through Water Efficiency (WE)
6. Decrease Energy Demand through Reducing Urban Heat Island Effect
7. Participate in Education, Outreach, and Planning for Energy Efficiency
8. Increase Energy Efficiency in Municipal Buildings
9. Increase the Energy Efficiency in City Infrastructure
10. Reduce Energy Consumption in the Long Term

SOLID WASTE REDUCTION

The California Integrated Solid Waste Management Act of 1989 fundamentally restructured the state's approach to solid waste management. The Act established an integrated waste management hierarchy that included: source reduction, recycling, composting, and land disposal of solid waste. The legislation mandated each city meet solid waste diversion goals of 25% in 1995 and 50% by 2000. By 1995, the City of El Segundo achieved a 59% solid waste diversion rate. In 2005, El Segundo pushed its diversion rate to a statewide high of 81%. With the passing of 2016's AB 1826 and SB 1383, organic recycling mandates were established with increasing requirements set through 2025. El Segundo should continue efforts to maintain its ambitious diversion rate by exploring additional diversion programs and evaluating advancements in technologies.

To improve Solid Waste Reduction, the objectives below are recommended. Details are included in Attachment A.

1. Increase reduction and diversion of residential waste.
2. Increase reduction and diversion of commercial waste.
3. Increase reduction and diversion of municipal waste.
4. Create community inclusion and pride in waste reduction efforts.

URBAN PLANNING AND DEVELOPMENT

Urban Planning and Development is key to the success of a city, particularly cities that seek a balance between residential uses and business. Urban Planning and Development is what showcases and embraces special characteristics of a city, like El Segundo. The recommendations below are a mix that supports green building practices, mobility, and art. Green business practices support environmental commitment and commitment to local businesses, mobility improvements support El Segundo's casual "easy to get around" community culture and art recommendations support El Segundo's vibrant artist culture.

To improve Urban Planning and Development, the objectives below are recommended. Details are included in Attachment A.

1. Develop Best Management Practices for new and retrofitted municipal buildings
2. Promote use of California's new Green Building Standards in residential and commercial construction

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activities.

3. Increase city walkability.
4. Enhance Public Art with Green Messaging.
5. Increase mobility by installing shared bike lanes.
6. Adopt EV charging standards for residential, commercial and industrial developments beyond CalGreen 2016 requirements.
7. Increase and maintain urban greening in the community, including municipal facilities

HAZARDOUS WASTE

The State of California treats hazardous waste more stringent than Federal requirements. California considers hazardous waste to be waste with a chemical composition or other properties that can possibly cause illness, death, or some other harm to humans or other life forms if the waste are not properly handled and released into the environment. Hazardous waste is then divided by category and depending on the category, the land disposal restrictions, treatment standards and fees and many other factors are set. The City of El Segundo is committed to keeping the environment safe from hazardous waste releases. In order to honor this commitment, the following action items have been set for hazardous waste.

El Segundo is committed to improving transit services and expanding bike lanes/routes in order to promote alternative forms of transportation. It is also committed to reducing carbon emissions generated by traditional fueled vehicles and equipment and used in City operations. The City has focused on these goals for the past decade with considerable success but can achieve more. Details are included in Attachment A.

1. Implement natural pest control practices
2. Educate public about natural household products, pesticides, etc.

TRANSPORTATION

Transit

Currently, the City has several transit routes within its boundary. With these systems in place, 100% of City residents live within 0.5 mile of either a train or bus stop.

- The Metro Green Line light-rail has 3 major transit stations in the City, linking El Segundo business and residential communities to the Los Angeles regional transit network.
- El Segundo employment centers are also served by the South Bay Area Municipal Area Express (MAX), an upscale commuter bus catering to the large number of South Bay residents who work in El Segundo. MAX operates during morning and afternoon peak hours and offers three routes through the South Bay. MAX is a cooperative cost-sharing transit system among the county and the cities of El Segundo, Lawndale, Lomita, Los Angeles, Rancho Palos Verdes, and Torrance (the lead agency for the program).
- The Beach Cities Transit District operates a regional bus line between El Segundo and Redondo Beach from 6:00 a.m. to 10:00 p.m. daily, with stops at major commercial centers such as the Rivera, Hermosa Pier, downtown Manhattan Beach, Main Street in El Segundo and Plaza El Segundo. The route also stops at the Aviation and Douglas Green Line stations.
- The City operates the Lunch-time Shuttle so that employees on the east side of the community can enjoy lunch or shop in El Segundo's downtown area without getting into their cars. The City of El Segundo Lunchtime Shuttle runs weekdays between 11:30 a.m. and 2:15 p.m., with stops at strategic stations located both downtown and at busy commercial sectors.

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- The City operates Dial-a-Ride shuttles for seniors to facilitate safe and multi-traveler transportation to doctor offices, grocery stores, etc.
- The City operates a summer Beach Shuttle so that residents can travel to and from the beach area without the use of single-party automobiles. The Beach Shuttle runs mid-June through late August, Monday thru Saturday from 11:00 a.m. to 4:30 p.m.

Commuting

El Segundo's residents, commuters, and visitors have diverse mobility needs. In addressing these needs, the City has developed proactive policy goals and innovative programs to encourage the most efficient use of the City's existing transportation infrastructure through a balanced multi-modal approach.

- The City is working with the South Bay Bicycle Coalition to enhance, expand and connect bicycle routes throughout the South Bay. The Coalition's master plan was adopted by City Council at its October 4, 2011 meeting.
- The City has set up pilot programs to allow rentable electric scooter and bicycle companies to test the usage of carbon-friendly alternative transportation options, especially for the first-mile, last-mile commuter needs in El Segundo.

City Vehicles and Other Equipment

The State of California regulates diesel and gasoline fuel and has some of the most stringent requirements in the nation. The Public Works Department manages the City's vehicle fleet and equipment, and is actively committed to the use of cleaner burning fuels and technologies in place of conventional fuels. When vehicles and other fuel burning equipment are due for replacement, top consideration is given to choosing and/or recommending alternative fuel products such as hybrid powered vehicles and cleaner burning generators.

To improve Transportation, the objectives below are recommended. Details are included in Attachment A.

1. Encourage the use of and improve the experience taking public transportation.
2. Offer and encourage shared transportation modes.
3. Promote the use of alternative fuel technology.

AIR QUALITY

Air quality management is essential to reduce human health impacts due to the release of air pollutants. As of 1998, the State of California defined diesel to be toxic and determined that 70% of airborne cancer risks are related to diesel fuel emissions. Our local community is under the South Coast Air Quality Management District (SCAQMD) plus California Air Resources Board (CARB) and many federal, State and local laws governing clean air requirements. Since the City of El Segundo is uniquely surrounded by industry and coastal breezes that move air pollutants inland, it is essential our city has action items to commit to being a steward towards managing air pollution.

To improve Air Quality, the objectives below are recommended. Details are included in Attachment A.

1. Develop Equipment Guidelines to Improve Air Quality

WATER CONSERVATION

California has for decades oscillated in and out of drought conditions, and managing deteriorating infrastructure, making it difficult to manage the State's overall potable water supply. For more than a decade, more emphasis has

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been placed on securing other sources of water to meet regional demands, including expanding recycled water and reducing our dependency on imported water.

The City's annual potable water consumption dropped from 18,241 acre-feet in 1994 to 8,600 acre-feet in 2008. During that same timeframe, the use of recycled water increased from zero in 1994 to 8,300 acre-feet, and now represents roughly half of all water consumed in El Segundo, thanks mainly to usage at the Chevron refinery and landscape irrigation on city properties. The City considers recycled water as a viable water supply source and effective way to reduce the future need for imported water, and actively participates with West Basin Municipal Water District to increase the usage of recycled water. The Planning and Building Safety Department also adopted construction standards requiring low flow shower heads and toilets be installed in new developments to help reduce the demand for potable water.

To improve Water Quality, the objectives below are recommended. Details are included in Attachment A.

1. Increase water conservation.
2. Encourage use of recycled water.

GOVERNANCE

The City of El Segundo should implement its eco-minded efforts at every feasible level of governance, putting its mandates into practice at all levels of municipal management. Each and every department should consider ways in which it can run itself more efficiently with resource conservation and sustainability being points of consideration in every practice.

To improve Governance, the objectives below are recommended. Details are included in Attachment A.

1. City Best Practices
2. Policy and Permit Modifications

ALIGNMENT WITH THE SOUTH BAY CITIES COUNCIL OF GOVERNMENTS CLIMATE ACTION PLAN

The South Bay Cities Council of Governments released its Climate Action Plan in 2015 and the City of El Segundo approved this plan on November 21, 2017. The document outlines recommended approaches and strategies for each of the South Bay Cities to implement to increase efficiency and reduce greenhouse gas emissions. As a member of the South Bay Cities Council of Governments, El Segundo recognizes the Climate Action Plan and will consider some of the strategies included.

The strategies are included in Attachment A, however details can be found in the El Segundo Climate Action Plan Document, which can be found at: <http://southbaycities.org/sites/default/files/El%20Segundo%20CAP.pdf>

Development and adoption of this CAP allows the City of El Segundo to:

- Understand the community GHG emissions that it now produces
- Identify strategies at the local level that will result in GHG emissions reductions
- Develop a plan to implement strategies
- Monitor and report progress toward climate change goals

For the purpose of:

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- Enhancing the community and neighborhoods to help ensure a safe, healthy, and sustainable environment
- Promoting and encouraging the adoption and growth of zero emission vehicles
- Advancing strategies for housing and buildings that reduce energy and water usage
- Promoting behavior change that reduces waste
- Transforming built environments into green spaces
- Advancing strategies to encourage and support the market for renewable energy and storage

CONCLUSION

This updated Environmental Action Plan identifies steps that can be taken to continue our efforts to be a more "green" community. Following this plan will establish the City's commitment to environmental stewardship, and the support of staff in monitoring its progress will lead to the long-term goal of making El Segundo a responsible neighbor in the South Bay, and a sustainable community for future generations.

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ENERGY CONSERVATION					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
Continue to expand the use of energy efficient programs and systems to maintain energy savings.	Continue installing devices on municipal buildings that reduce the power required to operate equipment and shift equipment use to offpeak; install occupancy sensors in balance of City facilities; and implement a lighting retrofit on existing ballasts to accommodate T8 or better fluorescent fixtures.	Public Works	Environmental Committee	Evaluate existing status of energy efficient programs and determine what immediate, easy strategies are available.	
	Conduct survey of Utility Cost Management (UCM) of software and implement program to identify high usage. Implement energy savings programs and procedures based on the results of the UCM.	Public Works	Environmental Committee	Conduct survey and set long terms goals.	30% reduction by 2035
	Implement on-line permitting system-goal-tracking, reducing paper.	Building and Safety, Public Works	Environmental Committee	Develop online tool to reduce paper and make permitting more efficient.	

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	Educate residents and contractors about energy efficient design (lighting, windows, water heaters, and household appliances).	Public Works	Environmental Committee	Develop marketing plan/education plan.	
Retrofit City Hall to reduce energy usage.	Enter into a Performance Contract with a qualified contractor to retrofit City Hall with energy efficient upgrades to windows, lighting, HVAC, restroom fixtures, solar... install energy savings measures such as new windows at City Hall, additional lighting upgrades at various City facilities and solar opportunities where feasible. Additionally, changes in HVAC and pump operations will be assessed and modified to increase energy savings opportunities	Public Works	Environmental Committee	Secure funding.	
Reduce Greenhouse Gas Emissions	Complete an updated Greenhouse Gas Inventory	Public Works	Environmental Committee	20% reduction of GHG emissions by 2020.	40% reduction of GHG emissions by 2023
Reduce Greenhouse Gas Emissions	Develop Climate Action Plan for City operations and activities. The Plan will include an	Public Works	Environmental Committee	Develop plan.	

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	energy efficiency assessment and measures to reduce GHG emissions to meet the goal.				
Reduce GHG emissions from residential sources.	Develop “toolbox” to assist residences in reducing electricity use and cost.	Public Works	Environmental Committee	Develop Toolbox by 2018.	

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SOLID WASTE REDUCTION					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
Increase reduction and diversion of residential waste.	Implement procedures to more accurately track the volume of waste going to area landfills vs. the volume of waste being recycled.	Public Works	SBCCOG & Environmental Committee	Adopt goal of 85% waste diversion by 2020. Develop reporting and tracking system with all businesses and/or waste haulers doing business in city.	Adopt goal of 88% diversion by 2025 Adopt goal of 95% diversion by 2030.
Increase reduction and diversion of residential waste.	Educate residents about waste reduction and diversion.	Public Works/Recreation & Parks	SBCCOG & Environmental Committee	Provide information to residents about recycling, composting, and source reduction opportunities on the website, newsletters, flyers, etc.	Reinstate composting instruction for residents through classes/presentations hosted by Public Works or Recreation & Parks.
Increase reduction and diversion of residential waste.	Implement collection of green waste for residents.	Public Works	SBCCOG & Environmental Committee	Negotiate new contract with waste hauler that includes green waste pickup for all residents.	Provide a green waste curbside collection service for residents.
Increase reduction and diversion of residential waste.	Require that all waste haulers doing business in El Segundo for residential and commercial customers provide sufficiently sized containers for	Public Works/Legal	Environmental Committee	Adopt policy to reflect requirement in all contracts/permits with waste haulers.	

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	recyclable and compostable waste.				
Increase reduction and diversion of residential waste.	Support donation events, swap/share opportunities for residents and businesses.	Environmental Committee		Facilitate civic events or support and promote locally coordinated efforts for residents and businesses to share or trade resources.	Investigate use of space and staff oversight at Rec Park for Community Garden, in Joslyn Center for senior needs, at PW yard for residential uses.
Increase reduction and diversion of residential waste.	Implement drop-off procedures for election yard signs.	Public Works	Environmental Committee	Provide collection space and services for residents to deposit separated paper and plastics signs as well as metal stakes post-election.	
Increase reduction and diversion of commercial waste.	Educate businesses about waste reduction and diversion,	Environmental Committee & Chamber of Commerce	SBCCOG	Provide information to businesses about recycling, composting and source reduction opportunities on the website, newsletters, flyers, etc.	
Increase reduction and diversion of commercial waste.	Implement a food scrap diversion program for businesses.	Environmental Committee	SBCCOG	Provide a food waste collection service for businesses.	
Increase reduction and diversion of commercial waste.	Require food waste and recycling at special events	Relevant City Departments	SBCCOG & Environmental Committee	Develop and adopt permitting policy such that CA AB 2176 (Waste planning for large venues and events) is required for all events that require permitting.	Enforce City policy to require food waste and recycling at special events.

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Increase reduction and diversion of commercial waste.	Eliminate use of plastic straws in all businesses that operate in the City.	City Council/Legal	Environmental Committee	Develop and adopt City policy to prohibit distribution of plastic straws.	Enforce City policy to prohibit distribution of plastic straws.
Increase reduction and diversion of commercial waste.	Eliminate use of polystyrene cups and food containers in all businesses that operate in the City.	City Council/Legal	Environmental Committee	Develop and adopt City policy to prohibit distribution of polystyrene cups and food containers.	Enforce City policy to prohibit distribution of polystyrene cups and food containers.
Increase reduction and diversion of commercial waste.	Eliminate use of single-use plastic bags in all businesses that operate in the City.	City Council/Legal	Environmental Committee	Develop and adopt City policy to prohibit distribution of all single-use plastic bags.	Enforce City policy to prohibit distribution of all single-use plastic bags.
Increase reduction and diversion of municipal waste.	Educate employees about the benefits of recycling and waste reduction in the work place.	Environmental Committee	SBCCOG &	Partner with departments to assess opportunities for change; research and provide information about recycling, composting and source reduction opportunities.	
Increase reduction and diversion of municipal waste.	Implement a “Reuse & Recycle at Work” program for city offices.	Environmental Committee/Public Works	SBCCOG	Establish a recognition or reward program for departments to create friendly competition and enhanced eco-minded efforts.	
Increase reduction and diversion of municipal waste.	Reduce paper in municipal facilities.	City Manager/Department Heads	SBCCOG & Environmental Committee	Develop and adopt a policy to encourage paper reduction through various activities such as: reduce margins and logos on templates, letterhead and	

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				memos; require double-sided printing; require fewer or smaller-print copies of project plans.	
Increase reduction and diversion of municipal waste.	Shift to digital format for permits, bid processes, plans, files, etc.	City Manager/Department Heads/Technology Committee	Environmental Committee	Develop City policy	
Increase reduction and diversion of municipal waste.	Use electronic devices for following agendas, supporting documents at meetings.	City Manager/Department Heads	Environmental Committee	Develop City policy	
Increase reduction and diversion of municipal waste.	Reuse materials at municipal facilities.	City Manager/Department Heads	SBCCOG & Environmental Committee	Develop and adopt a policy to reuse, repair, or refurbish office furniture and equipment at a cost savings compared to purchasing new materials.	
Increase reduction and diversion of municipal waste.	Redistribute unusable office items to community non-profit groups.	City Manager/Department Heads	SBCCOG & Environmental Committee	Develop and adopt a donation policy for replaced office furniture and equipment to be offered to community non-profits before going to landfill.	
Increase reduction and diversion of municipal waste.	Provide additional recycling in public places.	Public Works	SBCCOG & Environmental Committee	Continue to install recycling containers in public places such as parks and streets.	
Increase reduction and diversion of municipal waste.	Adopt an eco-minded Municipal Purchasing Policy.	City Manager/Finance Director	SBCCOG & Environmental Committee	Develop and adopt a purchasing policy for municipal facilities to reduce purchase of	

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				disposable items, and require environmentally preferable products to be purchased when possible and reasonable. (Examples include: electric or hybrid vehicles, efficient light bulbs, environmentally friendly cleaning supplies, materials with high post consumer content such as recycled paper, pens, etc.)	
Increase reduction and diversion of municipal waste.	Demonstrate composting at a municipal facility.	Public Works/Recreation & Parks	SBCCOG & Environmental Committee	Investigate composting at city facilities and use the compost in environmentally friendly landscaping on municipal property.	
Increase reduction and diversion of municipal waste.	Reduce instances of single-use water bottles at municipal venues.	City Manager/Department Heads	Environmental Committee	Develop and adopt a policy of employees using reusable water bottles at all locations and providing water pitchers and glasses in meetings with outside guests.	
Increase reduction and diversion of municipal waste.		Public Works	Environmental Committee/West Basin MWD	Install water bottle filling stations like that in City Hall at other public buildings.	

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Create community inclusion and pride in waste reduction efforts.	Support beach clean up opportunities at El Segundo Beach.	Environmental Committee		Publicize community partner cleanup events through website and social media.	Organize city-based beach clean-up events.
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Urban Planning and Development					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5- 10 years)
Develop Best Management Practices for new and retrofitted municipal buildings	75% of Energy Star compliant equipment by 2020	Public Works	Environmental Committee	Develop baseline of Energy Star compliant equipment. Develop purchasing policy for city equipment to support	
Develop Best Management Practices for new and retrofitted municipal buildings	Public Works Department will continue its practices for cleaning, maintenance, and operations of municipal facilities to further advance sustainability and eliminate the use of toxins;	Public Works	Environmental Committee		
Develop Best Management Practices for new and retrofitted municipal buildings	Green specifications will be considered and incorporated into city remodeling projects where feasible.	Public Works	Environmental Committee	Develop and maintain list of "green specifications."	Monitor and maintain records of use of green specifications.
Develop Best Management Practices for new and retrofitted municipal buildings	Office equipment purchase and replacement standards will specify Energy Star-compliant equipment where feasible; including computers, servers, monitors, copiers, fax machines and other devices.	Purchasing	Environmental Committee	Maintain records of office equipment and Energy Star Compliance.	Monitor and maintain records of Energy Star compliant equipment.
Promote use of	Promote the use and	Public Works	Environmental	Develop database of	

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Urban Planning and Development					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5- 10 years)
California’s new Green Building Standards in residential and commercial construction activities.	application of California’s new Green Building standards through permitting activities, at the permitting counter, the City’s website and on-line services. Consider providing incentives for builders/contractors who incorporate green standards above minimum requirements		Committee	available incentives for Green Building Standards and make data base available to construction companies doing business in El Segundo.	
Increase city walkability	Assess current walkability in residential areas and identify areas with needs for additional walkability mitigation.	Public Works	Environmental Committee	Develop a mobility and walkability assessment and plan for the City focusing on primary commercial corridors.	Implement recommendations from study.
Increase city walkability	Create “fix-it” interface for public to report concerns with sidewalks, night-lighting, shrubbery, handicap ramps.	Public Works	Environmental Committee		
Enhance Public Art with Green Messaging	Leverage city artist community and school art programs to display art throughout the city that inspires green practices.	Public Works	Environmental Committee	Environmental Committee work with art programs to develop eco-art.	
Increase mobility by installing shared	Identify areas along main corridors for	Planning/Public Works	Environmental Committee	Complete Citywide Bike Plan.	Develop mechanism to track progress of

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Urban Planning and Development					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5- 10 years)
bikelanes through completion and implementation of bike plan.	shared bike paths.				Bike Plan
Increase mobility by installing shared bikelanes through completion and implementation of bike plan.	Install and market shared bike paths where feasible and practical.	Public Works	Environmental Committee	Complete Citywide Bike Plan.	Develop mechanism to track progress of Bike Plan
Increase and maintain urban greening in the community, including municipal facilities	Develop urban greening/tree/landscape plan	Public Works	Environmental Committee		Adopt urban greening/tree/landscape plan

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Hazardous Waste					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5- 10 years)
Implement natural pest control practices.	Create an integrated pest control management (IPM) plan for all City facilities and parks which will rely on commonsense practices and natural compounds to combat the negative effects of pests.	Recs and Park	Environmental Committee		
Educate public about natural household products, pesticides, etc.	Create and distribute information about alternative solutions to cleaning, pest control and other household “chemical” needs.				

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Transportation					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
Encourage the use of and improve the experience taking public transportation.	Continue to explore and promote viable public transportation coverage to all City residents, businesses and employees.	Transportation	Environmental Committee	Continue to research and promote other transportation options and incentives for expanded use of public transit, carpooling and bicycles. Update city website monthly with latest options.	
Encourage the use of and improve the experience taking public transportation.	Create app for shuttle riders to convey shuttle location, ETA at next stop and full map or route.	Recreation & Parks	Tech Committee		
Promote the use of alternative fuel technology.	Reduce reliance on vehicles that use traditional fuel sources.	Transportation	Environmental Committee	All purchase needs to consider greener fuel options first.	Replace City fleet vehicles and other equipment with hybrids or alternative fuel models wherever feasible.
Promote the use of alternative fuel technology.	Support electric vehicle usage.	Transportation	Environmental Committee	Install charging stations and preferential parking at City locations. Encourage/require new businesses to install charging stations and preferential parking.	

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Promote the use of alternative fuel technology.	Partner with scooter share and bike share companies to provide alternative modes of personal transportation in City.	Planning/Public Works			
Encourage the use of and improve the experience taking public transportation.	Establish better bus shelters.	Transportation	Environmental Committee	Follow a regular schedule of assessment and maintenance of bus shelters in town for safety, weather protection and cleanliness concerns. Set up a clear method for citizens and businesses to express concerns if issues arise.	
Encourage the use of and improve the experience taking public transportation.	Create “fix-it” interface for public to report concerns with streets, night-lighting, shrubbery, handicap ramps.	Recs and Parks, Public Works	Environmental Committee	Add option on City website to allow public reporting; assign staff to respond in a timely fashion; include follow-up survey to evaluate customer satisfaction.	
Encourage the use of and improve the experience taking public transportation.	Support “walking school bus” concepts for elementary schools.	ESUSD	Environmental Committee	Create and install signage for walking bus stops (meeting places) along RSS and CSS walking routes, if schools can self-organize walking groups.	
Encourage the use of	Implement a policy to	Transportation	Environmental	Increase employee	

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and improve the experience taking public transportation.	reduce the percentage of commute trips by single occupancy.		Committee	co-commuting by 10% by 2020. Create incentives to encourage carpooling, vanpooling, or Metro commuting by bus and train.	
Offer and encourage shared transportation modes.	Seek partnerships and grants to bring a public bike fleet to the City. Promote usage with public service announcements and sufficient maintenance of bike rack areas.	Transportation	Environmental Committee	Launch trial.	
Offer and encourage shared transportation modes.	Partner with car share company to offer residents and businesses multi-user options.	Transportation	Environmental Committee	Investigate partnership options with companies such as Enterprise (local store), CityCarShare and Car2Go (again).	

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Air Quality					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
Develop Equipment Guidelines to Improve Air Quality	Improve Air Quality from construction equipment	Public Works	Environmental Committee	Development construction equipment guidelines 70% Tier 4, 90% Renewable Diesel Fuel & no idling engines.	
Develop Equipment Guidelines to Improve Air Quality	Improve Air Quality special event equipment	Recs and Parks, Public Works	Environmental Committee	Develop special event equipment guidelines to include: No idling engines and future Main Street construction should consider adding electrical hook-ups for all vendors so generators are not necessary	
Develop Equipment Guidelines to Improve Air Quality	Improve Air Quality Schools are no idling zones	ESUSD	Environmental Committee	Schools have no idling zones within 100 feet of the campus	
Develop Equipment Guidelines to Improve Air Quality	Improve Air Quality alternative fuel stations	Public Works	SBCCOG, Environmental Committee	Work with SBCCOG on creating a regional alternative fueling station in El Segundo.	
Develop Equipment Guidelines to Improve Air Quality	Improve Air Quality city owned vehicles	Public Works	Environmental Committee	City-owned vehicles replacement cycle should be alternative fuel (if feasible)	
Develop Equipment Guidelines to Improve Air Quality	Improve Air Quality neighborhood electric vehicles (NEVs)	Public Works	SBCCOG, Environmental Committee	Implement Neighborhood Electric Vehicles (NEVs) technologies to	

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				<p>achieve federal and state clean air standards in Southern California.</p> <p>Work with SBCCOG to install electric charging stations at all government buildings, The Point, The Plaza and downtown.</p>	
<p>Develop Equipment Guidelines to Improve Air Quality</p>	<p>Recognize El Segundo companies that have RideShare programs and further promote other companies to provide RideShare.</p>			<p>Develop Recognition page on City website for Rideshareing companies.</p>	

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Water Quality					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
Increase water conservation for residential and municipal uses.	Continue and expand water conservation programs to control and reduce over consumption.			<p>Promote drought tolerant planting</p> <p>Encourage residents and businesses to retrofit faucets, shower heads, toilets, other fixtures and irrigation systems with low flow and/or water conservation devices. Provide incentives where feasible.</p> <p>Encourage residents and businesses to adopt additional water conservation practices (e.g., shorter showers, timed irrigation, high efficiency washers, etc.).</p>	
Increase water conservation for residential and municipal uses.	Adopt guidelines to expand use of recycled water.				

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Governance					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
City Best Practices	Review practices with all departments, committees and commissions to ensure environmentally responsible considerations are made in all City mandated and approved processes.	City Manager	Environmental Committee		
City Best Practices	Revise City department and committee reports to Council to include a line item for environmental impact.	City Manager	Environmental Committee	Edit current report forms to include environmental considerations and discussion.	
City Best Practices	Assign Environmental Responsibilities to City Staff.	City Manager	Environmental Committee		
City Best Practices	Create Environmental Awards for businesses and residents.	Environmental Committee	Chamber	Develop criteria and recognition program.	
City Best Practices	Streamline and digitize city hall systems to reduce use of paper.	City Manager	Environmental Committee	Upgrade filing and processing systems to digitized platforms wherever feasible. Align with Finance Department and	

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Governance					
Objective	Activity	Responsible Party	Resources	Near-Term (0-5 years)	Long-Term (5-10 years)
				Technology committee system overhaul plans due.	

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ALIGNMENT WITH SOUTHBAY CONCIL OF GOVRMENTS CLIMATE ACTION PLAN					
(Note: this is from the Climate Action Plan, therefore the columns to the right are not filled in.)					
Objective	Activity	Responsible Party	Resources	Near-Term (within 2 years)	Long-Term (5- 10 years)
Increase Energy Efficiency (EE) in Existing Residential Units	EE Training and Education				
	Increase Participation in Existing EE Programs				
	Establish, Promote, or Require Home Energy Evaluations				
	Promote, Incentivize, or Require Residential Home Energy Renovations				
Increase Energy Efficiency in New Residential Development	Encourage or Require EE Standards Exceeding Title 24				
Increase Energy Efficiency in Existing Commercial Units	EE Training and Education				
	Increase Participation in Existing EE Programs				
	Promote or Require Non-Residential Energy Audits				
	Promote or Require Commercial Energy Retrofits				
Increase Energy Efficiency in New Commercial Development	Encourage or Require EE Standards Exceeding Title 24				

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Increase Energy Efficiency through Water Efficiency (WE)	Promote or Require WE through SBX7-7				
	Promote WE Standards Exceeding SB X7-7				
Decrease Energy Demand through Reducing Urban Heat Island Effect	Promote Tree Planting for Shading and EE				
	Incentivize or Require Light-Reflecting Surfaces				
Participate in Education, Outreach, and Planning for Energy Efficiency	Increase Energy Savings through the SCE Energy Leader Partnership				
Increase Energy Efficiency in Municipal Buildings	Conduct Municipal Building Energy Audit				
	Require Green Building Certification				
	Implement Water Leak Detection Program				
	Participate in Demand Response Programs				
	Participate in Direct Install Program				
	Adopt a Procurement Policy for Energy Efficient Equipment				
	Install Cool Roofs				
	Require New or Retrofitted Buildings to Exceed Title 24				

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	Increase Recycled Water Use				
	Retrofit HVAC Equipment & Water Pumps				
	Track Additional Energy Savings				
	Utilize an Energy Management System				
Increase the Energy Efficiency in City Infrastructure	Retrofit Traffic Signals and Outdoor Lighting				
	Upgrade or Incorporate Water-Conserving Landscape				
	Plant Trees for Shade and Carbon Sequestration				
Reduce Energy Consumption in the Long Term	Develop an Energy Reinvestment Fund				
	Purchase Carbon Offsets				