

<b>E1</b>		<b>Create a Sustainable City Program</b>	
<b>E1.1</b>	<b>Goals and Strategic Actions</b>		<b>Department</b>
	Coordinate all City departments with relevant activities under the umbrella of a Sustainable City Program.		CM, P&B
	<b>Implementation Status</b>		
	Funds were added to the Planning & Building Dept. FY02 and FY03 Budget for a Sustainable Development Consultant. -P&B		
<b>E1.2</b>	<b>Goals and Strategic Actions</b>		<b>Department</b>
	Create a Sustainable Development Board with adequate funding to help develop and evaluate the Sustainable City Program and a management position to serve as staff to the Board.		Mayor, City Council, CM, P&B
	<b>Implementation Status</b>		
	The concept of Sustainable Development Board is still being evaluated. -P&B		
<b>E1.3</b>	<b>Goals and Strategic Actions</b>		<b>Department</b>
	Establish baseline data and sustainability benchmarks to measure future progress using a multi-disciplinary team comprised of City departments, the City Manager, Sustainable Development Board and its staff, community members, and other interested groups.		CM, P&B, Police
	<b>Implementation Status</b>		
	Actions are part of Sustainable Development Consultant's scope of work. - Police Department		
	Baseline data and sustainability benchmarks were established in the Green Building and Environmentally Preferable Purchasing Policies adopted by City Council on June 17, 2003. -P&B		
<b>E1.4</b>	<b>Goals and Strategic Actions</b>		<b>Department</b>
	Utilize full-cost accounting (life cycle analysis) to inform all policy considerations and decision-making.		CM, FM
	<b>Implementation Status</b>		
	Training to be provided by Sustainable Development Consultant.		

E1.5	<p><b>Goals and Strategic Actions</b> Evaluate City purchasing policies to ensure environmental responsibility and help support markets for renewable materials.</p>	<p><b>Department</b> FM</p>
	<p><b>Implementation Status</b> Analysis of purchasing practices to ensure environmental responsibilities in all contracts and purchases underway. -FM</p> <p>The purchasing policy on environmental responsibilities along with the green team recommendations have been established and are available on the purchasing divisions intranet page. The following contract enhancements have been accomplished:</p> <ul style="list-style-type: none"> <li>· Multiple contracts with recycled paper product alternatives</li> <li>· Environmentally friendly cleaning products available</li> <li>· Recycled toner cartridges (at a cost savings) recommended on the office supplies contract.</li> <li>· Ban of all Styrofoam products on City contracts</li> <li>· Street sweeping debris must be composted or re-used Alternative Daily Cover at a diversion rate of 95%.</li> </ul> <p>Environmental products are advertised and showcased at an annual citywide office products show. -FM</p> <p>The city does not currently have a mechanism to track environmental purchases made by departments, therefore no incentive programs have been established. -FM</p>	
E1.6	<p><b>Goals and Strategic Actions</b> Utilize financial incentives to motivate participation in sustainability initiatives.</p>	<p><b>Department</b> CM, P&amp;B, CD</p>
	<p><b>Implementation Status</b> To come.</p>	

E1.7	<b>Goals and Strategic Actions</b>	<b>Department</b>
	<p>Encourage public environmental education, awareness and involvement in areas such as air and water quality, the deleterious impacts of automobile reliance, and the unintended consequences of unchecked population growth.</p>	<p>Mayor, City Council, CM, PW, P&amp;B, HHS, PR&amp;M, G&amp;O, TS, Water, Harbor</p>
	<p><b>Implementation Status</b></p>	
	<p>The Stormwater Management Division (SWMD) partners with all City departments via the NPDES Citywide Task Force to encourage public environmental education, awareness and involvement. Externally, the SWMD works with the Long Beach Chamber of Commerce membership, LBUSD ("School News"), and HTTP ("In Your Backyard") enhance and distribute its public information and educational materials. Examples of events that result from these partnerships: Assembly member Karmette's Environmental Forums ("Let's Talk Trash"), development and financial support of the Health Department's Junior Health Inspector Program, Spring Beach Cleanup, Fall Annual Coastal Cleanup (Statewide), Earth Day, Long Beach Beautiful (street &amp; alley cleanups), the Golden Shore Watershed Cleanup Project, Marine Advisory Commission Interactive Presentation, and the Martin Luther King Parade outreach event. -PW</p> <p>PR&amp;M provides numerous educational programs about the environment, including more than 500 school tours and 600 classes at the Nature Center. The City's Adopt-A-Beach and Adopt-A-Watershed programs as well as the International Coastal Cleanup are run by the department as is the new watershed/wetland education center at Colorado Lagoon. Special events at the Lagoon and the Nature Center such as International Migratory Bird Day, Baby Animals Day, Endangered Species Day, Population and Environmental Day, Giving Thanks to Earth Day, Habitat Stewardship Training, and initiated a new volunteer program called Sharing Nature in the City. The Nature Center holds a mini special event each month called Simple Saturday that provides visitors ideas on how to live more sustainably. The Nature Center's van is an LNG powered vehicle, modeling clean air practices. International City Theater performed a play about ocean pollution at 24 park sites. -PR&amp;M</p> <p>Environmental education is provided through classes. The Environmental Health Bureau provides literature and training on the proper disposal of hazardous waste at businesses and in residential areas to prevent waste from entering the storm drain system (beaches and bays) and the environment and education programs to improve environmental conditions, including a community-based pollution reduction program, multi-lingual environmental educational materials, and a school-based environmental health curriculum for children. -HHS</p> <p>Implemented a new educational program called "exploring Southern California Shores, Mountains and Slopes" a series of natural history classes. Developing an urban educational outreach program (i.e. naturemobile). International City Theater performed a play about ocean pollution at 24 park sites. -PR&amp;M</p> <p>DHHS Environmental Health Programs participate in the Annual Pollution Prevention (P2) Campaign to promote environmental education and pollution prevention strategies to the general public. -DHHS</p> <p>Environmental Services Bureau (ESB) provides environmental public education through a wide variety of media. The award winning public education effort includes continuously updated versions of brochures, flyers and junk mail reduction kits, which are distributed at special events, community meetings and are, in some cases, available on our website at <a href="http://www.longbeach-recycles.org">www.longbeach-recycles.org</a>. ESB has recently completed extensive refurbishments to its Traveling Recycling Education Center (TREC). TREC is an interactive environmental educational center that Long Beach schools can schedule for 4th grade students to learn about the benefits of a sustainable lifestyle by reusing, reducing and recycling materials as well as reducing litter and pollutants in our every day lives. -PW</p> <p>ESB has also converted 26 new automated refuse collection vehicles and all street sweepers to Liquid Natural Gas (LNG) burning vehicles. -PW</p>	

<p>The Harbor Department sponsored and participated with the Faster Freight Cleaner Air Conference, which brought people together from various industries and environmental agencies to discuss solutions to making goods movement more efficient and environmentally friendly. Additionally, the Harbor Department sponsored several other conferences, including the AQMD Asthma Conference and the AQMD Ultrafine Particles Conference. The Harbor Department is also sponsoring the \$2.5 million Harbor Arbor Urban Reforestation Program. These projects will provide trees, shrubs and other sustainable landscaping features to enhance air quality, reduce noise, decrease summer temperatures and beautify communities surrounding the 710 Freeway, one of the primary transportation corridors for goods movement at the Port of Long Beach. Hudson school and Coolidge Park were the first two sites elected for the six-year program. Harbor Department sponsors and Employees annually participate in the Los Angeles River Clean-Up. -Harbor</p>	<p><b>Department</b> P&amp;B</p>
<p>E1.8</p>	<p><b>Goals and Strategic Actions</b> Develop Green Building Development Guidelines to optimize the aesthetic and environmental compatibility of new projects.</p>
<p><b>Implementation Status</b> City Council adopted Green Building guidelines on June 17, 2003. The current Green Building policy is for municipal buildings only. So far, 6 buildings are being designed to the LEED standard under this policy. The opportunity remains to extend Green Building requirements to private development. An interdepartmental Green Building Team meets quarterly to conduct training and share lessons learned on the LEED projects under development. -P&amp;B</p>	

**ENVIRONMENTAL**

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<p><b>E1.9 Goals and Strategic Actions</b> Collaborate with Air Quality Management District, Regional Water Quality Control Board, and other agencies in regional efforts to reduce pollution.</p>	<p><b>Department</b> PW, HHS, G&amp;O, TS, Water, Harbor</p>
<p><b>Implementation Status</b></p>	
<p>The Stormwater Management Division (SWMD) partners with LARWQC and the Los Angeles Watershed cities for pollutant reduction in the Los Angeles and San Gabriel Rivers. The SWMD also participates with the following regional water quality groups: The Coalition for Environmental Protection, Restoration, and Development ("Market Based Strategies for Reducing Trash Loadings"), California Stormwater Quality Task Force (CASQA), Los Angeles County Sanitation Districts, Building Institute of America (BIA), the State Water Resources Control Board, the Contaminated Sediments Task Force, the Los Angeles and San Gabriel Rivers Watershed Master Plan, The Dominguez Gap Watershed Advisory Committee, the Los Angeles Dept. of Public Works Watershed committees, the Executive Advisory Committee and the Stormwater Monitoring Coalition. Additionally, the SWMD continues to fully implement the city's stormwater management plan (LBSWM) aimed at the reduction and/or elimination of pollutants to the maximum extent practicable. -PW</p>	
<p>ESB has replaced all diesel fueled street sweepers with clean burning Liquefied Natural Gas (LNG) vehicles. The Bureau is in the process of converting the refuse collection fleet and has acquired 26 LNG automated refuse collection vehicles. Finally, ESB has required the recycling collection contractor, Waste Management Inc., to convert their collection vehicles as well. To date 16 of 18 vehicles have been converted. -PW</p>	
<p>The development of the I-710 Locally Preferred Strategy resulted in voluntary efforts by the Port of Long Beach and its tenants to reduce air pollution by extending port operating hours and the cold ironing program tht utilizes electricity instead of diesel fuel to power ships waiting to be loaded and unloaded. -PW</p>	
<p>SERRF works extensively with the AQMD and has installed millions of dollars in air quality improvement equipment to ensure that the SERRF trash-to-energy operation meets or betters all air quality requirements. -G&amp;O</p>	
<p>The Environmental Health Bureau, works in conjunction with the Regional Water Quality Control Board to perform regulatory oversight of cleanups of contaminated soil from underground storage tanks and other commercial/industrial sources to mitigate and prevent chemical contamination of groundwater and the environment. HHS</p>	
<p>The HHS acts as a City resource and liason with the Air Quality Management District on air quality health issues such as asthma, cancer clussters and respiratory illness that may impace residents of the city of Long Beach. -HHS</p>	
<p>The Harbor Department sponsored and participated with the Faster Freight Cleaner Air Conference, which brought people together from various industries and environmental agencies to discuss solutions to making goods movement more efficient and environmentally friendly. Additionally, the Harbor Department sponsored several other conferences, including the AQMD Asthma Conference and the AQMD Ultrafine Particles Conference. -Harbor</p>	

E2	<p align="center"><b>Enhance Open Space to Improve the Quality of Life for Residents in All Neighborhoods.</b></p>	<p align="center"><b>Department</b></p>
E2.1	<p><b>Goals and Strategic Actions</b> Preserve existing open space by adopting a City policy that City-owned open space will not be sold or developed as other than open space without public hearings and approval of the City Council.</p>	<p>Mayor, City Council, PR&amp;M, P&amp;B</p>
	<p><b>Implementation Status</b> Open Space and Recreation Element of the General Plan established the policy in October 2002, and rezoned all parks to the "Park" zone, requiring a rezoning hearing before the parks could be used in a non-park use. This was reinforced by the dedication all parks December 2003. -PR&amp;M</p>	
E2.2	<p><b>Goals and Strategic Actions</b> Increase our inventory of open space through strategies such as converting City-owned parcels to green uses and acquiring former oil properties for parks and habitat.</p>	<p><b>Department</b> CM, PR&amp;M, CD, P&amp;B, RDA, G&amp;O, Harbor</p>
	<p><b>Implementation Status</b> This policy was adopted in the Open Space and Recreation Element of the General Plan. Since the Open Space and Recreation Element was adopted, 30.93 acres have been acquired or converted to park uses, creating or expanding 24 parks. Also, 715.6 additional acres have been identified for future acquisition or conversion, many of which are in the planning, funding or negotiation stages. -PR&amp;M</p>	
	<p>Assist Planning and Building in evaluating, acquiring, and Alquist Priolo (earthquake fault zone) studies for new Sports Park. - G&amp;O</p>	
	<p>The oil islands are expected to be operational for at least the next 20 years. -G&amp;O</p>	
	<p>The Harbor Department is sponsoring the \$2.5 million Harbor Arbor Urban Reforestation Program. These projects will provide trees, shrubs and other sustainable landscaping features to enhance air quality, reduce noise, decrease summer temperatures and beautify communities surrounding the 710 Freeway, one of the primary transportation corridors for goods movement at the Port of Long Beach. Hudson school and Coolidge Park were the first two sites elected for the six-year program. -Harbor</p>	

E2.3	<p><b>Goals and Strategic Actions</b></p> <p>Give priority attention in preserving and acquiring open space to those neighborhoods where rapid growth and increased density in past years has significantly reduced the supply of available parks and other open space.</p>	<p><b>Department</b></p> <p>Mayor, City Council, PR&amp;M, P&amp;B, Harbor</p>
	<p><b>Implementation Status</b></p> <p>This policy was adopted in the Open Space and Recreation Element of the General Plan. Twenty-one of the 24 new or expanded parks since 2002 have been in underserved neighborhoods. The Riverlink study of creating a continuous river parkway along the east bank of the Los Angeles River was specifically targeted to identifying additional open space sites in underserved neighborhoods and improving the access from the underserved neighborhoods to the open space resources along the Los Angeles River. - PR&amp;M</p>	
E2.4	<p><b>Goals and Strategic Actions</b></p> <p>Explore opportunities with Long Beach Unified School District to enhance the aesthetic and environmental value of school sites.</p>	<p><b>Department</b></p> <p>LBUSD, PR&amp;M, P&amp;B</p>
	<p><b>Implementation Status</b></p> <p>Three cooperative efforts with LBUSD have been undertaken to created new open space and recreational opportunities. The first was the removal of the asphalt and replacement with turf for the playground at Birney Elementary School. The City funded the irrigation system and turf installation. The second was the after school use of Bancroft Middle School for girls softball. The City funded the installation of lights for night play on an existing turf field. Finally, joint use of a section of Cesar Chavez Park was critical in allowing Cesar Chavez School to be built on a tight downtown block, while allowing the joint funding of the incremental cost of converting a multi-purpose room into a gymnasium. -PR&amp;M</p>	
E2.5	<p><b>Goals and Strategic Actions</b></p> <p>Encourage the development of human-scaled, pedestrian-oriented mix-use projects that can accommodate a growing population while preserving existing open space.</p>	<p><b>Department</b></p> <p>P&amp;B, CD</p>
	<p><b>Implementation Status</b></p> <p>This will be an objective of the revised General Plan land use amendment. -P&amp;B</p>	
E2.6	<p><b>Goals and Strategic Actions</b></p> <p>Create an urban forest management program to increase the number of neighborhoods that can enjoy the beauty and shade provided by street tree canopies.</p>	<p><b>Department</b></p> <p>PW, CD, PR&amp;M</p>
	<p><b>Implementation Status</b></p> <p>The urban forest management program is up-and-running. -PW</p>	

E2.7	<p><b>Goals and Strategic Actions</b></p> <p>Integrate Long Beach neighborhoods with the rivers and shoreline by developing recreational and ecological opportunities along the riverbanks of the Los Angeles and San Gabriel rivers, and by providing "green" linkages from the central city and other neighborhoods to the beaches.</p>	<p><b>Department</b></p> <p>PR&amp;M, P&amp;B, Harbor</p>
	<p><b>Implementation Status</b></p> <p>The RiverLink Plan was specifically conducted with this goal along the Los Angeles River. Although not complete, RiverLink is already being hailed by regional agencies as a model for the region of multi-use resource based planning. Extension of RiverLink concepts to the beach and the San Gabriel River will follow completion in spring or summer 2006. Watershed Education at the Nature Center includes special events such as Rollin' Down the River, a river cleanup and bird watching day held 4 times a year. The establishment of the Colorado Wetland and Marine Science Education Center as a focal point for study of the base of the San Gabriel River watershed will offer the community an opportunity to learn and enjoy our rich aquatic environment. -PR&amp;M</p> <p>The Harbor Department is sponsoring the \$2.5 million Harbor Arbor Urban Reforestation Program. These projects will provide trees, shrubs and other sustainable landscaping features to enhance air quality, reduce noise, decrease summer temperatures and beautify communities surrounding the 710 Freeway, one of the primary transportation corridors for goods movement at the Port of Long Beach. Hudson school and Coolidge Park were the first two sites elected for the six-year program. Several other priority projects include wetlands such as Deforest Park and other projects along the LA River. -Harbor</p>	
E2.8	<p><b>Goals and Strategic Actions</b></p> <p>Focus growth in the downtown area and along major and minor arterials where new residents living in well-designed, human-scaled, mixed-use developments can add to the vitality of those neighborhoods while preserving open-space throughout the City.</p>	<p><b>Department</b></p> <p>CD, P&amp;B</p>
	<p><b>Implementation Status</b></p> <p>This will be an objective of the revised General Plan land use amendment. -P&amp;B</p>	



<b>E3</b>		<b>Restore Wetlands and Riparian Habitat</b>	
<b>E3.1</b>	<b>Goals and Strategic Actions</b>	<b>Department</b>	
	Compile a list of restorable wetland areas and sources of funding for restoration.	PR&M, G&O	
	<b>Implementation Status</b>		
	Assist PR&M Department in evaluating acquisition, mitigation, and restoration costs associated with oil operations within wetlands areas. - G&O		
	PR&M staff has worked with the California Coastal Conservancy, the Rivers and Mountains Conservancy and the Wetland Recovery Project to identify and fund restorable wetlands. Active projects include DeForest and Dominguez Gap, Wrigley Heights, Drake/Chavez Greenbelt, El Dorado Park and Nature Center, Los Cerritos Wetlands, Sports Park (Willow Springs) sites. Completed projects include Golden Shore Reserve, Jack Dunster Reserve, and Sims Pond. Privately developed and maintained for 25 years. PR&M has developed and will implement a restoration plan for Sims Pond. Rainbow Lagoon Wetland has also been identified as a restoration potential and plans are being developed in cooperation with the Port of Long Beach. Conceptual plans have also been developed for the Chittick Field/Hamilton Bowl site. The Public Works Department has taken the lead in developing restoration plans for and obtaining grants to fund the restoration of Colorado Lagoon. -PR&M		
<b>E3.2</b>	<b>Goals and Strategic Actions</b>	<b>Department</b>	
	Collaborate with the City of Seal Beach, City of Huntington Beach, and the United States government in setting aside the maximum possible contiguous acreage for wetlands and bird fly zones.	Mayor, PR&M, P&B	
	<b>Implementation Status</b>		
	A joint powers authority has been formed with the Rivers and Mountains Conservancy, Los Angeles County Department of Public Works, the City of Seal Beach and the City of Long Beach to acquire and manage the Los Cerritos Wetlands. -PR&M		
<b>E3.3</b>	<b>Goals and Strategic Actions</b>	<b>Department</b>	
	Identify funding for land acquisition, such as harbor expansion or runoff mitigation. (TEA-21)	CM, PR&M	
	<b>Implementation Status</b>		
	PR&M has aggressively sought and obtained funding from several state agencies under State bond acts 12, 13, 40 and 50, and from the Long Beach Redevelopment Agency. Letters of interest have also been submitted to the federal Corps of Engineers, and for Land and Water Conservation Fund grants. -PR&M		

Goals and Strategic Actions	Department
<p>E3.4 Where possible, recreate or create wetlands to serve educational purposes for the community.</p> <p><b>Implementation Status</b></p> <p>All identified wetland sites are planned to have an educational component of the restoration efforts. Rainbow Harbor and Golden Shore Reserve have educational signage, and Colorado Lagoon has a recently completed Marine Science Education Center developed in cooperation with the local neighborhood group, Friends of Colorado Lagoon, and the science programs of several surrounding LBUSD schools. Coordinated by El Dorado Nature Center, interpretive programs at Golden Shore Marine Reserve, Sims Pond, Dunster Reserve and Colorado Lagoon have been implemented. A new Education Center at Colorado Lagoon has been opened and a program developed for students through Adopt-A-Watershed. Part of the DeForest Nature Trail Wetland Restoration Study is the inclusion of facilities for public educational programming, like that which is currently offered at the El Dorado Nature Center. -PR&amp;M</p> <p>The Harbor Department is sponsoring the \$2.5 million Harbor Arbor Urban Reforestation Program. These projects will provide trees, shrubs and other sustainable landscaping features to enhance air quality, reduce noise, decrease summer temperatures and beautify communities surrounding the 710 Freeway, one of the primary transportation corridors for goods movement at the Port of Long Beach. Hudson school and Coolidge Park were the first two sites elected for the six-year program. Several other priority projects include wetlands such as Deforest Park and other projects along the LA River. Additionally, the Port has committed to assist in funding the Los Cerritos wetlands, contingent on the willingness of the seller. -Harbor</p>	<p>PR&amp;M, Harbor</p>

<b>E4 Improve Air Quality</b>		<b>Department</b>
<b>E4.1</b>	<b>Goals and Strategic Actions</b>	HHS, Harbor
	Accelerate compliance with AQMD Rule 1158 by the City and its Harbor Department so reductions in particulate matter from the harbor area (exhaust particles, coke dust, and road debris) are implemented ahead of schedule.	
	<b>Implementation Status</b>	
	Coke piles are covered in compliance with AB1158. City Council endorsed AB2650 on diesel emissions.	
	As a result of the Baseline Air Quality and Noise Human Health Risk Assessment report that was prepared by the DHHs on January 18, 2005, it was recommended that the Long Beach Air Quality Element (AQE) be updated and implemented to include diesel particulate concerns, PM2.5 federal standards, and land use planning near major roadways. -HHS	
	The Harbor Department, within the confines of its local jurisdiction, has taken aggressive steps to improve air quality and reduce particulate matter through the following programs: The Green Flag Vessel Speed Reduction Program, a \$2.2 million annual incentive program that will reduce 1.5 tons of NOx per day; Shore-Side Electrification, which will reduce emissions by allowing vessels to shut off their auxiliary engines while at berth; Diesel Hybrid Locomotives, which is expected to eliminate 22.8 tons of NOx per year and .4 tons of PM per year; Clean Diesel in 100% of yard handling equipment at the Port of Long Beach, which will eliminate 200 tons of NOx per year and over 5 tons of PM per year; Contributions to the Gateway Cities Truck Replacement Program; Truck Trip Reduction Program, including PierPass, the Virtual Container Yard, and additional on-dock rail; Alternative Fuels including the use of three LNG yard trucks. -Harbor	

	<b>Goals and Strategic Actions</b>	<b>Department</b>
E4.2	<p>Involvement in pollution reduction programs through community outreach, education, and the formation of a community consultative committee.</p> <p><b>Implementation Status</b></p> <p>Stormwater Management Division's proactive outreach and educational programs include: Adopt-A-Waterway/Ecozone (generating \$195,00 and responsible for 165 million stormwater educational impressions, "Do It Yourselfers" Used Oil partnership with CIWMB to develop behavior modification programs, FATS, OILS and Grease outreach to avoid sanitary sewer overflows, participation in LBUSD's Annual Science Fair (5,000 students) Mentor and Principal of the Day program, speakers bureau, participation in community based outreach and beach cleanup events, interactive website (<a href="http://www.lbstormwater.org">http://www.lbstormwater.org</a>), internet and hard copy newsletter: "Pelican Briefs," and the Stormwater Information and Reporting Hotline: (562) 570-DUMP. Status: Ongoing. -PW</p> <p>Participated in several holiday parades and passed out 5,000 "Solution to Ocean Pollution" flyers to spectators. The "Protect our Watery World" volunteer program continues to visit classrooms educating youth on non-point source pollution (25,282 LBUSD students). -PR&amp;M</p> <p>The Public Works Department continues to promote the "Adopt-a-Street" program and support neighborhood clean-up projects. Public education is offered through the Traveling Recycling Education Center (TREC), which has components that address litter reduction and recycling issues. Environmental Services also supports Long Beach Beautiful (LBB). LBB offers local businesses the opportunity to participate in the "No Litter Zone" program which distinguishes participating businesses as ones that take extra measure to keep their property litter free. ESB has replaced wire litter baskets located at bus stops with new, larger plastic containers with lids. These new containers prevent litter from escaping and control odor in public areas. -PW</p> <p>ESB has developed a "Litter Abatement and Awareness" campaign. City staff have conducted workshops with residents, businesses and the City's commission on youth for input on how to best communicate a litter awareness message. As part of this campaign, ESB continues to promote the "Adopt-a-Street" program and organize and support neighborhood clean-up projects. ESB has partnered with 192 businesses who support the City's campaign as members of the "No Litter Zone" effort. These businesses commit to keep their storefront and surrounding areas free of litter and debris. In exchange, the City publicly recognizes their efforts and support of the program. ESB has also partnered with Long Beach Police Department to ensure that proper enforcement of litter laws continues. Public education is offered through the Traveling Recycling Education Center (TREC), which has components that address litter reduction and recycling issues. Banners promoting litter awareness are posted on light poles throughout the City and at bus stops. An educational message for elementary school age youth has been developed. The City has developed a mascot for the program which will begin to visit elementary schools in September '06 to educate youth about the hazards of litter and the benefits of maintaining a litter free environment. The Environmental Services also continues to support Long Beach Beautiful (LBB). All print materials are translated into Spanish and Khmer. -PW</p>	<p>PW, PR&amp;M, Water</p>
E4.3	<p><b>Goals and Strategic Actions</b></p> <p>Explore opportunities with Long Beach Unified School District and Long Beach Transit to reduce emissions from diesel bus fleets through conversion to clean air technology or other means compatible with operating and financial constraints.</p> <p><b>Implementation Status</b></p> <p>The Harbor Department hosted the first ever Open House to provide an interactive opportunity for the public to learn about the Port's groundbreaking Green Port Policy – a sweeping new framework for how the port is addressing environmental impacts and changing the very way it does business. There were more than 25 exhibits, booths and displays, including presentations on the Port's air, traffic, water, soil/sediments, wildlife habitat, community engagement and sustainability programs. The open House included a free 45-minute harbor cruise took visitors out on the water to see many of the Port's environmental programs in action. Demonstrations provided a look at clean air technology. Visitors were able to use high-tech instruments to identify polluted soil and water samples in mini-laboratories. The Open House also highlighted "sustainability" programs such as conservation or recycling efforts that the public can implement at home. Attendees were able to dispose of their old electronics gear at our Ease-E-Waste Recycling Station. -Harbor</p>	<p><b>Department</b></p> <p>LBUSD, LB Transit, Harbor</p>

<p><b>E4.4 Goals and Strategic Actions</b></p> <p>Encourage high quality mixed-use housing projects in the central City, in the downtown and along major and minor arterials to reduce emissions from single passenger automobiles while enhancing the use of public transit, bikes and pedestrian traffic.</p>	<p><b>Department</b></p> <p>CD, P&amp;B</p>
<p><b>Implementation Status</b></p> <p>P &amp; B staff has started a "visioning" process with downtown stake-holders. The end result will be a comprehensive, community based, update of downtown zoning, PD-30. -P&amp;B</p>	<p><b>Department</b></p> <p>CD, PW, P&amp;B, PR&amp;M</p>
<p><b>E4.5 Goals and Strategic Actions</b></p> <p>Continue development of linkages between transit, bicycles and other alternative transportation modes such as the Bikestation.</p>	<p><b>Department</b></p> <p>CD, PW, P&amp;B, PR&amp;M</p>
<p><b>Implementation Status</b></p> <p>Bicycle Master Plan was updated to include a bike-transit hub at the Blue Line Willow Station. Grant funding has been received for projects that will be developed in the coming year, including east-west bicycle facilities linkages to the San Gabriel River Bike path from downtown and further north from Cal State Long Beach. Funding has also been awarded to the City for citywide bicycle parking and bicycle signage. -PW</p> <p>Construction of the Downtown Bicycle Connector and the Belmont Bike Path realignment are complete. -PW</p> <p>PR&amp;M continues to plan and seek funding for off-road bicycle trails including better connections to the regional trails along the Los Angeles and San Gabriel Rivers, and Coyote Creek, and better identification of and access to those trails. PRM also seeks to improve the Beach Bicycle Path, completing in 2005 a more direct connection over Belmont Pier that avoids a dangerous bicycle/automobile interface, and planning rest areas along the path. -PR&amp;M</p>	

E5		Improve Water Quality and Better Manage Water Resources	Department
E5.1	Goals and Strategic Actions	Prepare a comprehensive Beach, Harbor, Rivers, and Wetlands Master Plan to determine how best to improve the quality of our recreational waters while also maximizing the untapped economic, recreational and environmental potential of our varied aquatic resources.	PR&M, PW, Water, Harbor
	Implementation Status	<p>The SWMD and its NPDES Task Force (TF) is working toward this goal. The TF is comprised of representatives from the Departments of Parks, Recreation and Marine, Planning and Building, Public Works, Port of Long Beach, Health, Water, and Long Beach Energy. Since May, 2001 \$5.1 million in grant money has been brought in to fund projects (citywide) specific to water quality improvement. A \$200,000 Coastal Conservancy Grant to do a Colorado Lagoon Wetlands Feasibility Study was completed in January, 2005 (<a href="http://www.longbeach.gov/pw">http://www.longbeach.gov/pw</a>). Additional funding will be needed to implement the study's findings so the SWMD is requesting FY' 05 CIP funding to implement a Colorado Lagoon Master Plan. Status: Ongoing. -PW</p> <p>The Open Space and Recreation Element sets broad, citywide policies. After adoption, the P&amp;B Department intends to update the Conservation Element, which will address water quality and wetlands in more detail. The Department has funding and will begin an update of the Beach Section of the Local Coastal Plan.</p> <p>Beach, Harbor, Rivers and Wetlands Master Plan. One element of such a master plan is nearing completion in RiverLink. An RFP for consultant support to complete the beach portion of the plan has been developed and is under review by City executive staff. -PR&amp;M</p> <p>The Port developed a comprehensive program and took the novel approach of applying for a single permit that covers not only Port operations but also facilities operated by Port tenants. Because the Master Storm Water Pollution Prevention Program is centralized, with the Port administering a single permit and serving as facilitator, it is more effective and efficient than if each tenant applied for a permit separately. The goal of the program is to reduce pollutants in water that drains into San Pedro Bay from facilities at the Port. Key program elements include training tenants on pollution reduction practices; using drip pans to catch engine oil and other pollutants while repairing equipment; sweeping sites frequently; conducting annual site compliance evaluations, and sampling and analyzing runoff water. For its innovation and comprehensive nature, the Master Storm Water Pollution Prevention Program won an award from the California Environmental Protection Agency.</p> <p>The Port of Long Beach is an active participant in the Dominguez Watershed Advisory Council a public-private body that is creating a plan to develop, prioritize and carry out projects to maintain and restore the biological integrity of the Dominguez Watershed, including measures to reduce pollutants in storm water in much of southern Los Angeles County. As part of its participation, the Port of Long Beach is undertaking a land use characterization study designed to describe the nature of storm water runoff from various land uses unique to seaports, including container terminal and other cargo-handling facilities.</p> <p>The Port of Long Beach is a proud sponsor of Adopt-A-Waterway, a public awareness campaign aimed at spreading the message that anything dumped into a storm drain ends up in the ocean, often posing a hazard to humans and marine life. -Harbor</p>	

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E5.2	<p><b>Goals and Strategic Actions</b></p> <p>Implement strategies to prevent water pollution at its source, including the use of design and structural Best Management Practices to prevent pollution from entering the storm drains and ocean.</p>	<p><b>Department</b></p> <p>PR&amp;M, PW, Water, G&amp;O</p>
	<p><b>Implementation Status</b></p> <p>To date, nearly \$5.3 million dollars has been secured to install catch basin inserts to trap sediment, debris, metals and bacteria, LA River trash capture devices (retrofitted pump station screens and CDS/VSS units), beach and watershed cleanup programs and education programs in place. -PW</p>	
	<p>Conduct weekly street sweeping. Implemented "Adopt-a-Street" program to encourage local businesses to adopt streets for litter collection to reduce pollution entering storm drains. Continue to support Long Beach Beautiful by coordinating monthly cleanups with Long Beach area Chamber of Commerce Womens Council. -G&amp;O</p>	
	<p>Water, PW and PR&amp;M are working cooperatively with up to 500 other agencies is developing an Integrated Regional Water Management Plan that will help the pollution to prevention to multi-use strategies that will also benefit water conservation, open space provision and habitat restoration. -PR&amp;M</p>	
E5.3	<p><b>Goals and Strategic Actions</b></p> <p>Ongoing reports on water quality should be made available to the public over the internet, in newspapers, and in City publications to increase public confidence in water quality.</p>	<p><b>Department</b></p> <p>HHS, PW, Water</p>
	<p><b>Implementation Status</b></p> <p>Up to date beach water testing program results are available to the press and public. Press releases related to beach closures are sent to local newspapers and posted in the DHHS' website. The DHHS communicates weekly water quality test results and beach closure information via its website and 24-hour Water Quality Infoline (570-4199). -HHS</p>	
	<p>The City's Health Department is the source for water quality reporting (AB411) via the internet. Additionally the Health Department maintains a beach advisory hotline (562) 570-4199. The Health Department's internet address is: <a href="http://www.longbeach.gov/health/enviro_health.html">http://www.longbeach.gov/health/enviro_health.html</a>. Additional information on the city's NPDES stormwater monitoring and links for reports on water quality Statewide can be found on the Stormwater Management Division (SWMD) internet site at: <a href="http://www.lbstormwater.org">http://www.lbstormwater.org</a>, by calling 562-570-DUMP (3867) or by listening to the message when "on-hold" during a call to the City. -PW/SWMD</p>	
E5.4	<p><b>Goals and Strategic Actions</b></p> <p>As sources of pollution are eliminated, initiate phased remedial actions to enhance the beachfront.</p>	<p><b>Department</b></p> <p>PR&amp;M, PW</p>
	<p><b>Implementation Status</b></p> <p>A draft RFP has been prepared for a beach master plan and is under review by city executive staff. -PR&amp;M</p>	

Goals and Strategic Actions	Department
<p><b>E5.5</b></p> <p>Establish collaboration between the City, Long Beach Aquarium of the Pacific, and environmental groups to pursue projects such as beach cleanup, wetland restoration, and the creation of recreational opportunities along the Los Angeles and San Gabriel Rivers.</p> <p><b>Implementation Status</b></p> <p>SWMD participation in Annual California Coastal Cleanup Day and numerous outreach events. SWMD partners with Heal the Bay for "Keys to the Sea Program" (950 LBUSD students) and actively pursues interactive, educational, partnerships with Aquarium of the Pacific (Sustainable Community and Scholarship sponsorship - 1,125 students/50 teachers) and Long Beach Unified School District (LBUSD). "Windows On Our Water" Tidepool Cruiser, an environmental educational program, is now visiting LBUSD schools teaching stormwater runoff pollution prevention. SWMD in partnership with LA County Environmental Defenders Educational Program (1,200 LBUSD students @ 24 schools), Ecolink (Press Telegram Magazine), Surfrider Foundation, Long Beach Chapter, the 2nd Council District Office and Wetland Stewardship group conducted a six week-end "Watershed Cleanup Project" (WCP) aimed at cleaning and preserving the Golden Shore Wetlands Reserve. SWMD, in partnership with the LACDPW and the City of Signal Hill, received a \$783,000 Prop 13 award (2003) to install pollution traps in Chittick Field/Hamilton Bowl. SWMD received a \$200,000 Coastal Conservancy Grant for a Colorado Lagoon Wetlands Feasibility Study. -PW</p> <p>Many partnerships are underway including the enhancement to the Aquarium Fountain as a watershed themed attraction, the development of watershed displays outside and inside the Aquarium, wetland restoration design input, and the improvements Shoreline Aquatic Park Beach now in preliminary design as a dune habitat educational display and playground. PR&amp;M partners with more than 40 community groups in the Adopt-A-Beach and Adopt-A-Watershed programs to clean up the beaches and wetlands four times per year. The annual International Coastal Cleanup has provided 1000's of individuals, groups, and schools the opportunity to clean up our beaches. In addition, a new annual event, Independence from Litter Day on July 5 is being created whereby youth and businesses can join together in taking care of our beautiful beaches. Coordination with the County of Los Angeles for the removal of debris from the Los Angeles River. Active participation in Los Angeles and San Gabriel River Watershed Council, the Beach Erosion Task Force, and Contaminated Sediment Task Force. -PR&amp;M</p> <p>Active participation on the Tidelands Harbor Committee in coordinating the effort with the removal of debris from the Los Angeles River. -G&amp;O</p> <p>Support public education efforts for cleanups. Provide recycling receptacles for recovered recyclable materials. -PW</p>	<p>PR&amp;M, CD, PW</p>