



OFFICE OF THE CITY MANAGER

JULY 23, 2007

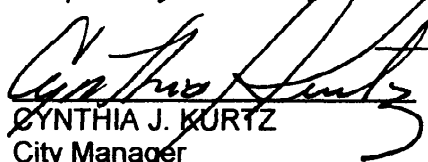
**TO:** CITY COUNCIL AND MEMBERS OF THE  
ENVIRONMENTAL ADVISORY COMMISSION

**FROM:** CITY MANAGER

**RE:** GREEN CITY ACTION PLAN

On September 18, 2006, City Council approved a declaration of support for the United Nations Urban Environmental Accords (UEA) and adopted a comprehensive environmental Green City Action Plan containing over 70 implementation items. The action plan attached reflects the current status of each item.

Respectfully submitted,

  
CYNTHIA J. KURTZ  
City Manager

<p align="center"><b>GREEN CITY ACTION PLAN</b>  <b>(United Nations Urban Environmental Accords)</b></p>	<p align="center"><b>Responsible Monitor</b></p>
<p><b><i>ACTION 1 – RENEWABLE ENERGY: Increase the use of renewable energy to meet 10% of the city's peak electric load within seven years.</i></b></p>	
<p>Although this goal has been achieved the following are objectives and actions to further support renewable energy:</p> <p><b>1.1 Objective: Renewable Energy Policy</b> – Continue to implement measures supporting the City's goals of achieving 10% renewable energy by 2010 and 20% by 2017.  <b>Action Taken:</b> PWP will update the Commission annually on its current Renewable Portfolio Standard (RPS) for its energy resources.</p>	<p align="center">PWP</p>
<p><b>1.2 Objective: Green Power Municipal</b> – Develop a feasibility study with financing analysis for phasing in 100% green power at City facilities.  <b>Action Taken:</b> Pending. PWP recommends the feasibility study to be headed up by the Finance Department, to ensure the necessary planning for this type of project.</p>	<p align="center">PWP  Finance</p>
<p><b>1.3 Objective: Solar Power</b> – Develop a feasibility study with financing analysis for installing solar power equipment on city-owned facilities (e.g., water reservoirs, parking structures) and explore the inclusion of public school buildings.  <b>Action Taken:</b> Staff is working with a solar consultant in the development of a preliminary feasibility study. Report is expected to be completed by summer of 2007.  <b>Action Taken:</b> As part of a partnership between PWP and Energy Innovations (EI). EI will install a 20,000 Watts solar system using their prototype unit (Sunflower) for two years, on top of the roof of the Public Works Building facility, located at 233 W. Mountain Street.</p>	<p align="center">PWP</p>
<p><b><i>ACTION 2 – ENERGY EFFICIENCY: Reduce the city's peak electric load by 10% within seven years through energy efficiency, shifting the timing of energy demands and conservation measures.</i></b></p>	
<p><b>2.1 Objective: Cost Effective Energy Efficiency Programs</b> – Use the results from the energy efficiency gains study as well as experience with customer efficiency retrofit measures to design and implement future cost-effective energy efficiency programs.  <b>Action Taken:</b> Staff to submit a report recommending adoption of a 10 year energy efficiency savings goal to City Council by September 2007.</p>	<p align="center">PWP</p>
<p><b>2.2 Objective: Load Shifting Devices</b> – Conduct a feasibility study for installing devices on municipal and private buildings that reduce the power required to operate equipment and for shifting the equipment usage to off-peak.  <b>Action Taken:</b> Feasibility study was completed. Study shows a significant cost to shifting peak demand due to increased equipment, maintenance and software reconfiguration costs.</p>	<p align="center">PWP</p>
<p><b>2.3 Objective: Time Dependent Electric Rate</b> – Create a "time of use" billing rate that offers lower rates for electric usage during off-peak hours than during peak hours. Other possible rates to consider include tiered energy rates.  <b>Action Taken:</b> Update pending</p>	<p align="center">PWP</p>
<p><b>2.4 Objective: Green Building Energy Efficiency</b> – Amend the Green Building Practices Ordinance for all applicable projects to achieve a minimum 10% energy efficiency over baseline – Title 24).  <b>Action Taken:</b> Await USGBC making this a mandate in 2007.</p>	<p align="center">Planning &amp; Development</p>
<p><b>2.5 Objective: LED Traffic Signal Lamps Replacement Program</b> – Develop a plan and cost analysis for replacing 8 inch incandescent traffic signal indications with 12 inch Light Emitting Diode (LED) indications..  <b>Action Taken:</b> Adopted FY 2008 CIP has allocated \$635,555 for this project, which is enough to replace half the lamps – anticipated to be replaced in late 2008. Funds for the remaining half will be requested in FY 2009 CIP.</p>	<p align="center">Public Works</p>
<p><b>2.6 Objective: Building Automatic Control Systems in 16 city-owned buildings</b>  This system controls the temperature by monitoring climate conditions within the building and resets the system automatically when the temperature fluctuates. The system can also be adjusted remotely from a satellite computer center if the temperature needs to be reset.  <b>Action Taken:</b> The City has installed building automated systems in 17 buildings, including City Hall. Action is ongoing.</p>	<p align="center">Public Works</p>

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>2.7 Objective: Installation of a Thermal Energy Cooling system at the Central Library and Hill Library</b>  <b>Action Taken:</b> Completed - These Freon-free systems are being used to reduce energy costs by allowing energy-intensive, electrically driven cooling equipment to be predominantly operated during off-peak hours when electricity rates are lower.</p>	<p>Public Works  PWP</p>
<p><b>ACTION 3 – CLIMATE CHANGE: Reduce greenhouse gas emissions by 25% by 2030 and include a system for accounting and auditing these emissions.</b></p>	
<p><b>3.1 Objective: Baseline GHG Study</b> – Receive update on the baseline study for determining Pasadena's global greenhouse gas emissions using the CCAR protocols.  <b>Action Taken: CCAR Audit</b> - The CCAR Audit of PWP's GHG 2005 emissions and the baseline GHG study for 1990 and 2000 will be presented to the commission. CCAR is developing acceptable protocols for indirect emissions (not unique to Pasadena).</p>	<p>PWP</p>
<p><b>3.2 Objective: Climate Protection Act</b> – Incorporate where feasible the goal of the United States Conference of Mayors Climate Protection Act in concert with the Urban Environmental Accords.  <b>Action Taken:</b> Ongoing</p>	<p>Planning &amp; Development</p>
<p><b>3.3 Objective: Resource Planning and Selection</b> – Incorporate costs/value of GHG emission taxes/credits when evaluating potential power resources.  <b>Action Taken:</b> PWP reported that this is an ongoing practice as part of the compliance with AB 32 and SB 13.</p>	<p>PWP</p>
<p><b>3.4 Objective:</b> PWP will evaluate its GHG emission trends and propose appropriate and achievable specific reduction goals consistent with State policy.  <b>Action Taken:</b> CCAR Audit underway.</p>	<p>PWP</p>
<p><b>3.5 Objective:</b> PWP will document progress on GHG emission reductions and support standardized, mandatory GHG reporting from all significant sources.  <b>Action Taken:</b> Pending until CCAR complete and report certified.</p>	<p>PWP</p>
<p><b>ACTION 4 – ZERO WASTE: Achieve zero waste to landfills and incinerators by 2040.</b></p>	
<p><b>4.1 Objective: Construction &amp; Debris Ordinance</b> – Amend PMC 8.62 to increase the required 50% construction and demolition debris diversion rate to 60%, and permit only 20% of that to be achieved by inert debris recycling.  <i>Target Complete Date – November 2007.</i>  <b>Action Taken:</b> Developed language to amend the C&amp;D Ordinance. Language is being reviewed by division administrator and department head.</p>	<p>Public Works</p>
<p><b>4.2 Objective: Franchise Ordinance</b> – Amend PMC 8.61 to reduce the number of franchisees and limit new franchises to ensure compliance and quality control. Implement increased diversion requirements for franchises establishing a goal of reaching a 75% diversion rate for the collection of solid waste or pay liquidated damages on Recycling Shortfall Tonnage.  <b>Action Taken:</b> Pending. Staff to propose an amendment to the franchise hauler ordinance to require a 60% diversion rate beginning in FY 2009 and a 75% diversion rate by FY 2012.</p>	<p>Public Works</p>
<p><b>4.3 Objective: Multi-Family &amp; Commercial Recycling</b> – Develop an administrative procedure to ensure development and construction of new structures are in compliance with the Zoning Code section 17.40.120 in regards to on-site recycling areas.  <b>Action Taken:</b> Pending. Staff to recommend having the requirement listed as part of the final inspection for Certificate of Occupancy. Work with Planning and Development to build this into inspections.</p>	<p>Public Works  Planning &amp; Development</p>
<p><b>4.4 Objective: Business Recycling Plan</b> – Evaluate the waste stream of City serviced commercial accounts to establish increased recycling opportunities. Create and implement a plan to increase City serviced commercial accounts providing waste and recycling services. Request a plan from franchises outlining strategy to increase commercial recycling as a condition of license renewal.  <b>Action Taken:</b> Pending. PW staff to evaluate the commercial accounts the City services and determine the additional resources required to implement increased recycling activities. Commercial accounts serviced by franchises would be affected by 4.2 above.</p>	<p>Public Works</p>

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>4.5 Objective: Food Waste Recycling Program</b> – Implement a Food Waste Recycling Program for restaurants within the City by June 30, 2008.  <b>Action Taken:</b> Pending. Staff to research successful food waste recycling programs in Southern California and develop a pilot.</p>	Public Works
<p><b>4.6 Objective: E-Waste Recycling</b> – Establish a permanent electronic waste (e-waste) collection center in the City where residents can bring their electronic and universal waste to be recycled.  <b>Action Taken:</b> The City entered into contract with TrueCycle to hold 4 annual e-waste collection events (1 per quarter). 1<sup>st</sup> event on 4/28 collected 70,000 lbs of e-waste. Next event tentatively set for September 2007.</p>	Public Works
<p><b>4.7 Objective: Hazardous Waste Recycling.</b> Increase recycling of Hazardous Waste generated by City Departments  <b>Action Taken:</b> BSFMD replaces approximately 500 florescent light bulbs each month. In partnership with SMWWM, BSFMD has a collection site at the City Yards for expired light bulbs that are disposed of each month. For compliance, the City receives a certificate of disposal which is kept on file for inspection  <b>Action Taken:</b> PW provides battery collection boxes for City departments. The City also hosts public collection boxes at 4 public locations.</p>	Public Works
<p><b>4.8 Objective: Grocery Bags</b> – Working in collaboration with local grocery stores and supermarkets, set a reduction target of a given quantity of grocery bags.  <b>Action Taken:</b> The State passed AB 2449 requiring retail stores over 10,000 square feet with a pharmacy, and supermarkets with over 2 million in sales to collect and recycle plastic bags. Planning staff is working on a report listing the Pasadena stores which meet the threshold and fall under the requirements of AB 2449. Next step – formulating a compliance procedure – December 2007.</p>	Public Works  Planning & Development
<p><b>4.9 Objective: Rubberized Asphalt Concrete Use Grant</b> – City resolution approving grant application to use rubber from tires as surface treatment on city streets – reduces waste stream – supported by state march 19 City Council approval.  <b>Action Taken:</b> Concrete Use Grant Application submitted.</p>	Public Works
<p><b>ACTION 5 – PRODUCT WASTE: Reduce the use of a disposable, toxic, or non-renewable product category by at least 50% in seven years..</b></p>	
<p><b>5.1 Objective: Manufacturer Responsibility</b> – Pass a resolution that supports statewide legislation and local initiatives requiring manufacturers to take responsibility for collecting and recycling their products at the end of the products' use.  <b>Action Taken:</b> Pending</p>	Public Works
<p><b>5.2 Objective: Buy Green</b> – Create and implement a municipal procurement plan to ensure that city government workers are not exposed to hazardous chemicals or materials, and to conserve natural resources (See Action 16 and 19.)  <b>Action Taken:</b> Procurement Green Alert –_double sided copying and ordering machines with 2 sided copying capacity – April 20, 2007</p>	Finance
<p><b>ACTION 6 – CONSUMER WASTE: Implement "user-friendly" recycling and composting programs with the goal of reducing by 25% per capita solid waste disposal to landfill and incineration by 2012.</b></p>	
<p>No Further Recommendations – Continue on-going programs and efforts.</p>	Public Works

ACCORD ACTION & INITIATIVE	Responsible Monitor
<b>ACTION 7 – GREEN BUILDING: Mandate a green building rating system standard that applies to all new municipal buildings.</b>	
Further Actions Supporting Green Building:	
<b>7.1 Objective: Green Building</b> – Evaluate the success of the Green Building Practices Ordinance and consider lowering the thresholds and creating green standards for residential projects. <b>Action Taken:</b> Pending	Planning & Development
<b>7.2 Objective: Clean Green</b> – Develop and implement practices for the cleaning, maintenance, and operations of municipal facilities to further advance sustainability and eliminate the use of toxics. Include training of maintenance staff. (See Action 16.) <b>Action Taken:</b> Action began in FY 2007 with the reopening of City Hall, and will be ongoing	Public Works
<b>7.3 Objective: Green Specs</b> – Expand upon the Green Building Practices ordinance by adopting green specifications for city remodeling projects (e.g. carpet, sealants, adhesives, paint, flooring, and office furnishings). (See Action 16.) <b>Action Taken:</b> BSFMD will begin using reflective roofing materials when replacing new roofs, and one of the first roofs to be replaced in FY 2007 is at Hastings Library. A cool roof with skylight has been installed at Rosemont Pavilion. <b>Action Taken: Low VOC Paint</b> - BSFMD began incorporating "green" painting practices in new and preventative maintenance projects. Water based paint is used for all street striping.	Public Works  Planning & Development
<b>ACTION 8 – URBAN PLANNING: Advance higher density, mixed use, walkable, bikeable and disabled accessible neighborhoods which coordinate land use and transportation with open space systems for recreation and ecological restoration.</b>	
<b>8.1 Objective: General Plan</b> – Ensure the action intent is acknowledged in future updates to the Land Use and Mobility Elements of the General Plan, and the Central District Specific Plan and other specific plans. <b>Action Taken:</b> General Plan Land Use Element next update 2009 Central District Specific Plan housing cap discussion City Council 2007	Planning & Development
<b>8.2 Objective: Project Review</b> – Continue to review new developments through the discretionary review process to ensure that they enhance the pedestrian and transit environment in the Central District and in other specific plan areas. <b>Action Taken:</b> Update pending	Planning & Development
<b>8.3 Objective: Document Review</b> – Ensure that the new or amended planning documents (e.g. Green Space and Recreation Element, Pedestrian Plan, and Parks and Recreation Master Plan) contain objectives, policies and implementation measures that support the coordination of land use and transportation with open space systems for recreation and ecological reconstruction, and disabled access and use. <b>Action Taken:</b> Green Space and Recreation Element and Parks and Recreation Master Plan 2007. <b>Action Taken:</b> Pedestrian Plan adopted June 2006 supports action intent. <b>Action Taken:</b> Department of Transportation (DOT) prepared the 2004 Mobility Element to address vehicular and pedestrian needs of the community within the context of the region which includes a comprehensive plan to meet those needs. <b>Action Taken:</b> A Traffic Reduction Strategies Study was adopted by City Council.	Planning & Development  Department of Transportation
<b>8.4 Objective: Transportation Funding</b> – Continue to seek local, state and federal sources that provide funds for multi-modal recreational transportation that better connect the community to the City's open space systems. <b>Action Taken:</b> A grant for federal funds was submitted to purchase a dial-a-ride van to support the SS Rose Program. This program provides group rides for dial-a-ride members. <b>Action Taken:</b> In November 2006, the City Council adopted ordinance NO 7076 establishing the Traffic Reduction and Transportation Improvement Fee. Funds collected from new development will be used to implement transportation projects to address traffic generated by new development, such as enhancing intersection capacity and improving safety with installation of traffic signals.	Department of Transportation

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>8.5 Objective: Accessible Design</b> – Support the installation of truncated domes and Accessible Pedestrian Signals with audio and tactile capabilities at identified crosswalks throughout the City.  <b>Action Taken:</b> The adopted CIP has allocated \$122,500 for this project.</p>	Public Works
<p><b>ACTION 9 – ENVIRONMENTAL JOBS: Create environmentally beneficial jobs in slums and/or low-income neighborhoods.</b></p>	
<p>Further Actions Supporting Environmental Jobs</p>	
<p><b>9.1 Objective: Install Green</b> – Continue the MASH and Water &amp; Power pilot program to install water and energy conserving fixtures as funding permits.  <b>Action Taken:</b> Program is on-hold</p>	Planning & Development  PWP
<p><b>9.2 Objective: Green Waste</b> – Involve MASH and/or community based organizations to assist with the electronic waste (E-waste) pilot program and restaurant compost pilot program. (See Action 4.)  <b>Action Taken:</b> The Planning and Development Department's MASH program employees continue to assist in the logistics of the Special Events Recycling Program and the Electronic Waste Recycling Program. MASH identified as a program partner for a future program to include recycling at film shoots.</p>	Public Works
<p><b>9.3 Objective: Environmental Education</b> – Continue partnering with community organizations to develop outdoor environmental education and vocational model programs at the City's local parks and open spaces.  <b>Action Taken:</b> Continue supporting Greening the Earth Day. A successful Greening the Earth Day was held April 21, 2007 at Memorial Park.  <b>Action Taken:</b> The City is Developing a Municipal Sustainability Training program for staff. The City has contracted a local consultant to create an informative training module with the expectation that the module will be completed by January 2007.  <b>Action Pending:</b> Pasadena Youth Radio – partnership with Waverly School and PUSD Blair's Academy – learn radio skills - Health Department</p>	Public Works  Planning & Development
<p><b>ACTION 10 – PARKS: Ensure that there is an Accessible public or recreational open space within half-a-kilometer (.31 miles) of every resident by 2015.</b></p>	
<p><b>10.1 Objective: Green Space Planning</b> – Ensure the goal of the action item is acknowledged in the <i>Recreation and Parks Master Plan</i> and <i>Green Space and Recreation Element</i> of the General Plan with the understanding that ½ mile radius is the preferred standard.  <b>Action Taken:</b> Update Pending</p>	Public Works  Planning & Development
<p><b>ACTION 11 – TREE CANOPY: Conduct an inventory of existing canopy coverage in the City; and then establish a goal to plant and maintain canopy coverage in not less than 50% of all available sidewalk planting sites.</b></p>	
<p><b>11.1 Objective: Tree Canopy Survey</b> – Update existing tree inventory software so that information can be used more effectively to plant trees in under-represented areas as 90% of all sidewalk areas are planted; and allow an analysis of the benefits of Pasadena's street tree canopy.  <b>Action Taken:</b> Staff is reviewing available software that would quantify the implementation of this goal. <i>Target complete date – December 2007.</i></p>	Public Works
<p><b>ACTION 12 – HABITAT PROTECTION: Protect critical habitat corridors and other key habitat characteristics from unsustainable development.</b></p>	
<p><b>12.1 Objective: Arroyo Greenways Agreement</b> – Pursue implementation of the Arroyo Greenways Agreement, particularly points that specifically address the protection of critical habitat corridors and other key habitat characteristics.  <b>Action Taken:</b> Update pending</p>	Public Works

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>12.2 Objective: Restoration Plan Implementation</b> – Pursue implementation of measures contained within the <i>Arroyo Seco Watershed Restoration Feasibility Study</i>.  <b>Action Taken:</b> Staff has worked with the Army Corps of Engineers to move the feasibility study forward that would restore the natural Arroyo Seco channel.</p>	Public Works
<p><b>12.3 Objective: Habitat Restoration Funding</b> – Proactively seek funding for habitat restoration projects outlined in the Arroyo Seco Master Plans.  <b>Action Taken:</b> Staff continues to apply for these types of grants.</p>	Public Works
<p><b>ACTION 13 – PUBLIC TRANSPORTATION: Expand affordable public transportation coverage to within ½ kilometer of all city residents in ten years.</b></p>	
<p>Further recommendations in support of public transit:</p> <p><b>13.1 Objective: ARTS Funding</b> – Continue to expand the City's local transit service, Pasadena ARTS as funding allows.  <b>Action Taken:</b> The City has retained a consultant to prepare a needs analysis study for a new transit maintenance facility. Upon completion of the needs analysis, staff will begin looking for sites for a new facility to facilitate the expansion of the ARTS.</p>	Department of Transportation
<p><b>13.2 Objective: Public Transit Coordination</b> – Remain actively involved in the facilitation and coordination of transit services within Pasadena that are provided by other agencies.  <b>Action Taken:</b> The department has been working with METRO, Glendale and Burbank on a new transit line. Staff continues to coordinate service-related issues with Metro, Foothill Transit, and LA DOT. Staff continues to update the City website to inform the public of the ARTS program. As a result, ridership on ARTS buses is currently 22 percent higher than previous years.</p>	Department of Transportation
<p><b>13.3 Objective: Transit Policy</b> – Proactively review policy initiatives that promote public transit services in Pasadena through the continued involvement of staff in regional and subregional transit planning groups.  <b>Action Taken:</b> Update pending</p>	Department of Transportation
<p><b>ACTION 14 – CLEAN VEHICLES: Phase down sulfur levels in diesel and gasoline fuels, use advanced emission controls on all public fleets to reduce particulate matter and smog forming emissions from those fleets by 50% in seven years.</b></p>	
<p><b>14.1 Objective: Alternative Fuels</b> – Seek Federal 2005 Energy Policy Act incentives and AQMD funding sources for mobile source alternative fuel options.  <b>Action Taken:</b> The City secured SCAQMD grant funding in Fy2007 for CNG facility and fueling station. Further, the City will begin using 20 percent biodiesel in fall 2007.</p>	Public Works
<p><b>14.2 Green Fleet</b> – Complete an inventory of all fleet vehicles and provide an analysis with recommendations for converting or replacing vehicles with clean-fuel energy vehicles.  <b>Action Taken:</b> Inventory of green fleet vehicles only completed.  <b>Action Taken:</b> Green Fleet Standards – BSFMD is currently developing standards for Take-home Vehicle Policy, Vehicle Replacement Policy, Fleet Reduction Policy, and Employee Education Program.</p>	Public Works
<p><b>ACTION 15 – REDUCE CONGESTION: Implement a policy to reduce the percentage of commute trips by single occupancy vehicles by 10% in seven years.</b></p>	
<p><b>15.1 Objective: TDM</b> – Continue implementation of the existing Transportation Demand Management strategies and based on City Council policy, determine the next actions to take on the Traffic Reduction Strategies Study (to be completed by end of calendar year 2006).  <b>Action Taken:</b> DOT staff continues implementation of the existing Trip Reduction Ordinance for all TDM-regulated work sites. The City Council was presented the 12 strategies recommended in the Traffic Reduction Strategies Report.</p>	Department of Transportation

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>15.2 Objective: Public Transit Marketing</b> – Market the use of public transit, especially for housing located within ¼ mile of transit stations, to support the City's adopted Transit Oriented Development goals. Work with Business Improvement Districts to encourage the BID to provide subsidized or free transit passes for downtown employees.</p> <p><b>Action Taken:</b> Staff has started a program to encourage sale of ticket books for employers for their employees, and continues to promote the "Try Transit" program through the Pasadena Transportation Management Association.</p>	Department of Transportation
<p><b>15.3 Objective: Carpool</b> – Continue to enforce carpool parking requirements.</p> <p><b>Action Taken:</b> The City currently surveys approximately 30 regulates carpool sites annually to ensure compliance with carpool parking requirements.</p>	Department of Transportation
<p><b>15.4 Objective: Pasadena Transportation Management Association</b> – Continue to provide a leadership role to the Pasadena TMA to encourage large developments and employers to promote alternative transportation programs.</p> <p><b>Action Taken:</b> DOT facilitates bi-monthly TMA meetings that are attended by approximately 40 local businesses and are hosted by participating businesses.</p>	Department of Transportation
<p><b>15.5 Objective: Bicycle Commuting</b> – Amend the Green Building Practices Ordinance to require applicable projects to comply with the LEED Bicycle Storage and Changing Rooms credit by June 2008.</p> <p><b>Action Taken:</b> City of Pasadena Department of Transportation is working with Planning &amp; Development to develop language for the amendment to PMC 14.90, requiring new structures which meet a specific threshold to comply with the LEED bicycle Storage and Changing Rooms credit.</p>	Planning & Development
<p><b>ACTION 16 – TOXICS REDUCTION: Every year, identify one product, chemical or compound that is used within the city that represents the greatest risk to human health and adopt a law and provide incentives to reduce or eliminate its use by the municipal government.</b></p>	
<p><b>16.1 Objective: Prohibited Products</b> – Adopt by resolution the prohibition of use by the City the following products; 1) aerosols, 2) floor wax, 3) standard VOC-emitting paint, 4) chemical paint strippers, 5) VOC-emitting graffiti removers, 6) toxic chemical disinfectants, and 7) toxic pesticides. Include a staff training and monitoring program to ensure compliance.</p> <p><b>Action Taken:</b> Pending</p>	Finance Public Works Health
<p><b>16.1.1 Objective Polystyrene Ban</b> – Develop a ban on polystyrene</p> <p><b>Action Taken:</b> Department of Planning &amp; Development has initiated an internal ban on the purchase/use of polystyrene</p>	Finance
<p><b>16.2 Objective: Green Chemistry</b> – Follow the state's efforts to create a comprehensive chemicals policy as described in the <i>Green Chemistry in California; A Framework for Leadership in Chemicals Policy and Innovation</i>, 2006.</p> <p><b>Action Taken:</b> Pending</p>	Planning & Development
<p><b>16.3 Objective: Buy Green</b> – Create and implement a municipal procurement plan to ensure that city government workers are not exposed to hazardous chemicals or materials and to conserve natural resources (See Action 5). <i>Target complete date – June 2007.</i></p> <p><b>Action Taken:</b> Finance and Printing Services is testing 100% recycled copy paper. Cost analysis to be prepared.</p> <p><b>Action Taken:</b> <i>NEW</i> - Envelopes for the 30,000 utility bills mailed monthly contain 30% recycled paper.</p> <p><b>Action Taken: Energy Star City Appliances</b> – Standards are being written into specifications.</p>	Finance PWP
<p><b>16.4 Objective: Integrated Pest Management</b> – Create and implement an integrated pest control management plan for all city facilities and open spaces (parks), in lieu of using only pesticides as a control measure.</p> <p><b>Action Taken:</b> Currently using an Integrated Pest Management plan for open spaces. IPM plan has resulted in a reduction of a significant number of chemical applications.</p> <p><b>Action Taken:</b> Integrating Pest Management Plan has been implemented for all city-owned facilities where Health has responsibility for pest control. The implementation of IPM will ensure that priority be given to using non-chemical pesticides.</p>	Health Public Works



ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>16.5 Objective: Clean Green</b> – Develop and implement practices for the maintenance of municipal facilities to further advance sustainability and eliminate the use of toxics. Include training of maintenance staff. (See Action 7.)  <b>Action Taken:</b> Action began in FY 2007 with the reopening of City Hall, and will be ongoing.</p>	Public Works
<p><b>16.6 Objective: Drinking Water Procurement</b> – Enforce the administrative policy of eliminating municipal use of vendor provided drinking water at City facilities in order to reduce delivery trucks emitting carcinogenic diesel exhaust throughout each delivery run.  <b>Action Taken:</b> Monitor Purchase Order requests beginning in FY 2008. (see action 19)</p>	Finance
<p><b>ACTION 17 – ORGANIC FOODS: Support the public health and environmental benefits of locally grown organic foods. Ensure that 20% of all city facilities (including schools) serve locally grown and organic food within seven years.</b></p>	
<p><b>17.1 Objective: City Food Vendors</b> – Investigate the feasibility of requiring City food vendors (catered food) to provide a minimum of 20% locally grown organic food in orders received by the City.  <b>Action Taken:</b> Pending</p>	Health
<p><b>17.2 Objective: Food Vendor Training</b> – Educate and train owners of retail food markets and produce trucks about the availability of organic food products as an alternative food supply for residents through the Public Health Department MAP Campaign.  <b>Action Taken:</b> Educational materials are being prepared for distribution to all retail food markets during the inspection of the establishments by staff.</p>	Health
<p><b>17.3 Objective: Community Gardens</b> – Seek opportunities to create community gardens like the Oakland and Summit community gardens where local residents can grow their own vegetables free of pesticides. (Include in Green Space Element.) (See Action 8.1)  <b>Action Taken:</b> Pending</p>	Planning & Development
<p><b>17.4 Objective: Resident Outreach</b> – Provide outreach to residents on how to eat better by including organic food in their diets and to read and understand nutrition labels through the Public Health Department MAP Campaign.  <b>Action Taken:</b> The use of organic foods has been incorporated into weekly nutritional classes held at the Public Health Department.</p>	Health
<p><b>17.5 Objective: School Programs</b> – Continue to collaborate with the PUSD in efforts that improve children's accessibility to locally grown organic food, and other related health benefits.  <b>Action Taken:</b> see 9.3.3.) Pasadena Youth Radio – <i>partnership with Waverly School and PUSD Blair's Academy</i> – learn radio skills - Health Department</p>	Health
<p><b>ACTION 18 – CLEAN AIR: Establish an Air Quality Index (AQI) to measure the level of air pollution and set the goal of reducing by 10% in seven years the number of days categorized in the AQI range as "unhealthy" or "hazardous".</b></p>	
<p><b>18.1 Objective: Air Quality Plan</b> – Develop and implement a plan for analyzing and developing recommendations for improving air quality for Pasadena with the realization that air pollution has serious local consequences irrespective of city, county or other jurisdictional boundaries. Consider consulting with air quality experts.  <b>Action Taken:</b> Pending</p>	Assignment of Responsible Monitor Pending
<p><b>18.1.1. Objective: South Coast Air Quality Management District's Draft 2007 Air Quality Management Plan</b> – Review and make recommendations  <b>Action Taken:</b> Pending</p>	PWP
<p><b>18.2 Objective: Air Quality Legislation</b> – Follow the progress of California Senate Bill 44 requiring local cities to adopt an Air Quality Element to their General Plans as to implications for Pasadena.  <b>Action Taken:</b> Pending</p>	Assignment of Responsible Monitor Pending

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>18.3 Objective:</b> - Located in the South Coast Basin, the City of Pasadena is mandated by the SCAQMD to follow practices to help provide an environment of clean air and is committed to undertaking all the necessary steps to protect public health from air pollution, with sensitivity to the impacts of its actions on the community and businesses. As caretaker of the City's fleet and public buildings, BSFMD is dedicated to doing its part to help the City protect the environment. (See <i>green fleet, green housekeeping, green building, waste reduction, and LED traffic lights</i>)</p> <p><b>Action Taken:</b> Staff proposes to amend the Franchise Hauler ordinance to reduce the number of solid waste franchisees for the purpose of reducing the number of refuse vehicles in the City. Also refuse haulers will be required to install particulate traps or purchase alternative fuel vehicles for use in Pasadena.</p> <p><b>Action Taken: Low-Nox Boilers</b> - BSFMD has replaced hot water and comfort heat boilers with low-Nox boilers at Central Library, Hale Building, Villa Parke Center, Community Health Center and the Police Building.</p>	Public Works
<p><b>ACTION 19 – WATER EFFICIENCY:</b> <i>Develop policies to increase adequate access to safe drinking water, aiming at access for all by 2015. For cities with potable water consumptions greater than 100 liters per capita per day, adopt and implement policies to reduce consumption by 10% by 2015.</i></p>	
<p><b>19.1 Objective: Water Conservation Programs</b> – Continue to offer programs to both residential and commercial customers for the purchase and installation of water efficient fixtures and devices.</p> <p><b>Action Taken:</b> Pending</p>	PWP
<p><b>19.2 Objective: Irrigation Efficiencies</b> – Focus municipal programs on outdoor water efficiencies, such as weather based irrigation controllers and drought tolerant landscaping.</p> <p><b>Action Taken:</b> Pending</p>	PWP
<p><b>19.3 Objective: Emerging Technologies</b> – Continue working with the Metropolitan Water District to research, develop and implement existing and emerging water efficiency technologies and strategies that will accomplish the water conservation goals to reduce water consumption by ten percent by 2015.</p> <p><b>Action Taken:</b> Pending.</p>	PWP
<p><b>19.4 Objective: Time of Sale Replacement Program</b> – Adopt an ordinance requiring replacement of inefficient plumbing fixtures (toilets, urinals, shower heads, etc.) when properties located in Pasadena change ownership (Occupancy Inspection Program). <i>Target complete date – June 2008.</i></p> <p><b>Action Taken:</b> Planning Staff is currently gathering information to identify the most effective elements of a time of sale replacement (TOSR) program ordinance, including information from other cities which have successful TOSR programs, identifying the type of properties affected; verification inspection/documentation; incentives and enforcement mechanisms; options to transfer responsibility for retrofitting; stakeholders involvement; real estate industry's perspective; tracking of water conservation; the roles of PWP and Planning; and ordinance language.</p>	Planning & Development
<p><b>19.5 Objective: Gray Water</b> – Amend the code to allow use of gray water (untreated wastewater salvaged from baths, showers, and clothes washers) for the safe use in irrigation of landscaping.</p> <p><b>Action Taken:</b> Pending</p>	PWP
<p><b>19.6 Objective: Green Building Water Efficiency</b> – Amend the Green Building Practices Ordinance to mandate all applicable projects achieve a water use reduction of 20% over baseline. <i>Target complete date – June 2008.</i></p> <p><b>Action Taken:</b> Pending</p>	Planning & Development
<p><b>19.7 Objective: Landscape Water Meter</b> – Provide a cost/benefit analysis of requiring the installation of dedicated water meters for landscape irrigation on properties larger than 20,000 square feet.</p> <p><b>Action Taken:</b> Pending</p>	PWP
<p><b>19.8 Objective: GIS Technology</b> – Pending approval of a GIS grant application, proactively target high-water-usage customers as identified for pertinent conservation information and potential water and money savings advice (see also landscape water meter recommendation).</p> <p><b>Action Taken:</b> Pending</p>	PWP

ACCORD ACTION & INITIATIVE	Responsible Monitor
<p><b>19.9 Objective: Drinking Water Procurement</b> – Enforce the administrative policy of eliminating municipal use of vendor provided drinking water at City facilities in order to reduce delivery trucks emitting carcinogenic diesel exhaust throughout each delivery run.  <b>Action Taken:</b> Monitor Purchase Order requests beginning in FY 2008. (see action 16)</p>	Finance
<p><b>ACTION 20 – WATER CONSERVATION: Protect the ecological integrity of the city's primary drinking water sources (i.e., aquifers, rivers, lakes, wetlands and associated ecosystems).</b></p>	
<p><b>20.1 Objective: Water Treatment</b> – Proceed with the construction of a perchlorate water treatment plant near the City's Corporate Yards.  <b>Action Taken:</b> Pending</p>	PWP
<p><b>20.2 Objective: Hahamongna Watershed</b> – Implement all of the Hahamongna Watershed Park recommendations that apply to groundwater recharge and water quality.  <b>Action Taken:</b> Staff is working with the Arroyo Seco Foundation on a grant-funded project to increase the opportunities for the recharge of the ground water basin and reduce contaminants entering the Los Angeles River.  <b>Water Conservation Additional Actions Taken:</b> Parks and Natural Resources has begun an initiative to decrease water consumption by reducing turf areas in landscaped median islands and municipal facilities; introducing a drought tolerant and water-wise plant palette for use when replanting at city facilities and through effective management and control of existing irrigation systems.</p>	Public Works
<p><b>ACTION 21 – WASTEWATER: Adopt municipal wastewater management guidelines and reduce the volume of untreated wastewater discharges by 10% in seven years through the expanded use of recycled water and the implementation of a sustainable urban watershed planning process that includes participants of all affected communities and is based on sound economic, social and environmental principles.</b></p>	
<p><b>21.1 Objective: Water Conserving Fixtures</b> – Through rebates, continue to encourage the use of waterless urinals, low flow toilets, and other water-efficient fixtures to decrease the volume of wastewater for treatment.  <b>Action Taken:</b> Update Pending</p>	PWP
<p><b>21.2 Objective: Recycled Water Project</b> – Create a funding plan to implement the use of recycled water in the City of Pasadena.  <b>Action Taken:</b> Pending</p>	PWP
<p><b>21.3 Objective: Eaton Canyon Preservation</b> – Proactively engage in planning efforts with Los Angeles County for the Eaton Canyon watershed preservation, naturalization, and groundwater recharge.  <b>Action Taken:</b> Update Pending  <b>Waste Water Additional Actions Taken:</b> The City recently adopted a master sewer plan which provides for operations and capital improvement plans that increase the integrity of the system through best management practices that eliminate sewer spills and systematically replace repair and damaged pipelines.</p>	PWP