Mission: To improve the quality of life in Phoenix through efficient delivery of outstanding solid waste, fleet, facilities and energy management services.

Serving Our Customers

Public Works proudly serves our residents with solid waste collection, including contained and uncontained collections, landfill operations, and recycling programs. In addition to these visible external services, the department is responsible for providing internal support functions including fleet, facilities, and design and construction management operations to the majority of city departments. The department also oversees major citywide programs like Energize Phoenix, energy management, and sustainability. The following annual report provides a year end review of the department’s operations and accomplishments.
SOLID WASTE SERVICES

**Solid Waste Collections**
Each week, Public Works collects solid waste and recyclables from over 377,000 Phoenix residences. In Fiscal Year (FY) 2009-2010, these services included the collection of over 416,000 tons of contained garbage; 112,000 tons of recyclables; and 61,000 tons of bulk trash.

![Solid Waste Collections 2009-10](chart)

**Solid Waste Disposal**
- Each day, approximately 3,100 tons of refuse is delivered to the City’s two transfer stations.
- In FY 2009-2010, almost 1 million tons of residential and commercial waste was buried at the SR 85 Landfill, the City’s only active landfill.
- Upgraded landfill gas flares at the Del Rio and Deer Valley Landfills. These upgrades improved the capture and destruction of landfill gas at these two older landfills.
- Completed over 60% of the 27th Avenue Transfer Station/Materials Recovery Facility (MRF) Retrofit that includes the following renovations:
  - A new self-haul area located on the east end of the existing tipping floor which will be substantially complete by June 2011
  - A new shipping and bale storage area is in process of construction,
  - Conversion of the old bale storage area into a recycling materials tip floor is in process of construction
  - Upgrade of the MRF processing equipment
o Improved traffic flow to include an additional entrance lane and scale booth for enhanced customer service,
o Facility improvements such as tip floor replacement, addition of a MRF commodities scale, and addition of a dedicated area for vehicle cleanout.

**Phoenix Recycles**
The City of Phoenix and Keep Phoenix Beautiful received a grant from Curbside Value Partnership to create the “Recycle Clean Phoenix” campaign. The public-private partnership is raising awareness about the Phoenix Recycles program in a fun and innovative way while directing residents to a website where they can learn more about recycling: [http://www.recyclecleanphoenix.org/](http://www.recyclecleanphoenix.org/)

**2010 P.F. Changs Rock and Roll Marathon- Clothing Collection:** In January 2010 the Public Works Department was represented by several individuals who volunteered to collect clothing discarded by marathon participants. Approximately five tons of clothing was collected and taken to the Human Services Department warehouse for distribution to the city’s shelters and other organizations that serve the homeless. About 1.8 tons of recyclables were also collected (mainly water bottles and cardboard) and 14.4 tons of garbage. Approximately one-third of the solid waste collected during this event was diverted from the landfill.

**Household Hazardous Waste Program (HHW)**
In FY 2009-2010, more than 10,000 households attended an HHW event. Over 40,000 gallons of oil and nearly 1,500 pounds of antifreeze were collected and recycled. To further educate the public on common household hazardous waste, a “Citizen’s Disposal Guide” was developed to educate Phoenix residents on how to properly dispose of hazardous household products and select more environmentally friendly products: [http://phoenix.gov/webcms/groups/internet/@inter/@dept/@pubworks/@garb/@hhw/documents/web_content/pwd_hhw_alternatives.pdf](http://phoenix.gov/webcms/groups/internet/@inter/@dept/@pubworks/@garb/@hhw/documents/web_content/pwd_hhw_alternatives.pdf)

**DESIGN AND CONSTRUCTION**
In FY 2009-2010, Design and Construction Management was responsible for the management of nearly 370 contracts with 340 task orders. There were numerous projects that won many awards, however, two of the most notable were the Civic Space Park and the ASU Walter Cronkite School of Journalism, which won the following awards:

o Civic Space Park - Valley Forward Crescordia Award, Site Development and Landscape for Parks Category in September 2009
o “Her Secret is Patience” art piece at Civic Space Park - Valley Forward Crescordia Award Art in Public Spaces Category in September 2009
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- Civic Space Park - Southwest Contractor Magazine Best of 2009, Landscaping and Urban Design Category in December 2009
- ASU Walter Cronkite School of Journalism – Valley Forward Award of Merit, Buildings and Structures Category in September 2009
- ASU Walter Cronkite School of Journalism – Design Build Institute of America (DBIA) National Award – Best Public Sector Project over $25 million in November 2009
- ASU Walter Cronkite School of Journalism - Real Estate and Development (RED) Award – Best Education Project in March 2010
- ASU Walter Cronkite School of Journalism – LEED Silver - November 2009

SUPPORT SERVICES

FACILITIES MANAGEMENT
Facilities Management maintains over 9.8 million square feet of City assets including public safety facilities with a state of the art Crime Lab, libraries, senior centers, cultural facilities, and the downtown campus. This figure, the equivalent of 3.5 Empire State Buildings, is in addition to the hundreds of acres of recreational facilities such as pools, ball fields, and other properties maintained by Public Works.

- Supported projects with oversight of space planning, maintenance and repair, and alarm and fire life safety monitoring for City facilities.
- Provided tenant relations, property management; and contract oversight to more than 800 City owned facilities.
- Worked with staff from Downtown Facilities, Alarm Services staff coordinated the upgrade of the audio/video (A/V) system in the Council Chambers. The project included repairs and wiring replacement to the original A/V system to alleviate persistent maintenance challenges and increase functionality. The new design produces improved performance with key upgrades in problem areas, and comprehensive documentation for efficient future troubleshooting.

FLEET SERVICES
- In 2010 City of Phoenix was recognized as the sixth Greenest Fleet in the United States by implementing the following pollution reduction and efficiency generation strategies:
  - Reduce vehicle miles driven
  - Retrofitting heavy duty diesel engines with diesel particulate filters through an EPA grant
  - Changing to re-refined oil and evaluating the oil change interval for heavy and light duty fleet
Comprehensive Alternative Fuel Program

- Phoenix’s alternative fuel program is one of the largest in the country with over 3,405 vehicles operating on alternative fuel which comprises of 3,515,080 M gallons of alternative fuel used citywide excluding the Aviation and Public Transit Departments’ fleets

Number of alternative / clean fuel vehicles in fleet – 3,405

![Graph showing the number of alternative fuel vehicles](image)

Number of alternative / clean fuel gallons used – 3,515,080

![Graph showing fuel use breakdown](image)

Number of fuel sites maintained – 83
SUSTAINABILITY

Composting
- In FY 2009-2010, Solid Waste sold 1,342 composting bins to residents who wish to turn compostable waste into material to enrich their garden soil and landscaping

Mulching
- Public Works contracts with a local green organics processor to turn tree limbs, yard clippings and other green organics into mulch. The green organics program diverts over 20,000 tons of green organics from the landfill each year.

Phoenix Recycles
- Through the Phoenix Recycles voluntary program, over 84,000 tons of paper, metal, plastic, and glass were diverted from the landfill

Bag Central Station
- In partnership with Arizona Food Marketing Alliance and various Phoenix retailers, in FY 2009-2010, 3.6 million pounds of film plastic was returned to grocery stores for recycling.

Energize Phoenix
- Public Works was awarded a $25 M grant through EECBG for the Energize Phoenix Corridor. With partners Arizona State University (ASU) and Arizona Public Service (APS) the city will establish an energy efficiency program with rebate incentives, education and a finance program to encourage energy efficient upgrades on residential, commercial and industrial buildings along a 10 mile stretch of the Light Rail corridor

For more information on the City’s sustainability efforts, please visit http://www.phoenix.gov/sustainability