

Energy Conservation

The \$8.5 million Energy Conservation Program is funded with General, Water and Wastewater operating funds and federal grant funds. This program includes capital projects to continue the city's energy conservation efforts and also includes energy efficient retrofit cost reduction efforts at various city facilities.

The city's Energy Conservation Program has been in place for more than 20 years. Through the program's efforts in addressing energy efficient retrofits, energy efficient design and management, metering for efficient operations and implementation of new technology.

Energy saving retrofits have been completed for lighting, heating, ventilation, air conditioning and control systems.

Energy Conservation
Capital Improvement Program Summary

Project Summary	2013-14	2014-15	2015-16	2016-17	2017-18	Total
Energy Projects	4,500,000	1,000,000	1,000,000	1,000,000	1,000,000	8,500,000
Total	\$4,500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$8,500,000
Source of Funds						
<u>Operating Funds</u>						
General Funds	500,000	500,000	500,000	500,000	500,000	2,500,000
Operating Grants	3,500,000	-	-	-	-	3,500,000
Wastewater Operating	300,000	300,000	300,000	300,000	300,000	1,500,000
Water Operating	200,000	200,000	200,000	200,000	200,000	1,000,000
Total Operating Funds	\$4,500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$8,500,000
Total Sources of Funds	\$4,500,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$8,500,000

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Project No.	Project Title	2013-14	2014-15	2015-16	2016-17	2017-18	Total
PW34030049	ENERGY CONSERVATION-CITYWIDE FY13-14						
	Upgrade Citywide facilities with energy conservation improvements.						
							Function: Energy Projects
							Strategic Plan: Infrastructure
							District: Citywide
Construction		500,000	500,000	500,000	500,000	500,000	2,500,000
Project Total		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
General Fund		500,000	500,000	500,000	500,000	500,000	2,500,000
Funding Total		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000
PW34030050	ENERGY CONSERVATION-WASTEWATER FY13-14						
	Upgrade Wastewater facilities with energy conservation improvements.						
							Function: Energy Projects
							Strategic Plan: Infrastructure
							District: Citywide
Construction		300,000	300,000	300,000	300,000	300,000	1,500,000
Project Total		\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
Wastewater Revenues		300,000	300,000	300,000	300,000	300,000	1,500,000
Funding Total		\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000
PW34030051	ENERGY CONSERVATION-WATER PRODUCTION FY13-14						
	Upgrade Water facilities with energy conservation improvements.						
							Function: Energy Projects
							Strategic Plan: Infrastructure
							District: Citywide
Construction		200,000	200,000	200,000	200,000	200,000	1,000,000
Project Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Water Revenues		200,000	200,000	200,000	200,000	200,000	1,000,000
Funding Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
PW34990006	ENERGIZE PHOENIX						
	Transform neighborhoods and commercial districts along a 10-mile stretch of the light rail line into a Green Rail Corridor that will become a model of energy efficiency and sustainability.						
							Function: Energy Projects
							Strategic Plan: Infrastructure
							District: Citywide
Construction		2,769,000	-	-	-	-	2,769,000
Project Total		\$2,769,000	-	-	-	-	\$2,769,000
ARRA 2009 Federal Stimulus Fund		2,769,000	-	-	-	-	2,769,000
Funding Total		\$2,769,000	-	-	-	-	\$2,769,000
PW34990010	ENERGY CONSERVATION FOR 305 PARKING GARAGE						
	Upgrade 925 lighting fixtures from the current fluorescent lighting to LED lighting at the 305 Parking Garage.						
							Function: Energy Projects
							Strategic Plan: Infrastructure
							District: 7
Construction		411,000	-	-	-	-	411,000
Project Total		\$411,000	-	-	-	-	\$411,000
ARRA 2009 Federal Stimulus Fund		411,000	-	-	-	-	411,000
Funding Total		\$411,000	-	-	-	-	\$411,000
PW34990011	ENERGY CONSERVATION FOR ADAMS STREET GARAGE						
	Upgrade 1,139 lighting fixtures from the current fluorescent lighting to LED lighting at the Adams Street Parking Garage.						
							Function: Energy Projects
							Strategic Plan: Infrastructure
							District: 7
Construction		320,000	-	-	-	-	320,000
Project Total		\$320,000	-	-	-	-	\$320,000
ARRA 2009 Federal Stimulus Fund		320,000	-	-	-	-	320,000
Funding Total		\$320,000	-	-	-	-	\$320,000