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						
Operating Funds						
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

Energy Conservation

Project No. Project Title	2013-14	2014-15	2015-16	2016-17	2017-18	Total
PW34030049 ENERGY CONSERVATION-	CITYWIDE FY13-14				Function: E	nergy Projects
Upgrade Citywide facilities with energy cons	ervation improvements	i.		5	Strategic Plan:	Infrastructure
					Dis	trict: 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	-			Function: E	nergy Projects
Upgrade Wastewater facilities with energy c	onservation improveme	ents.		5	Strategic Plan:	Infrastructure
					Dis	trict: 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- PRODUCTION FY13-14	-WATER				Function: E	nergy Projects
Upgrade Water facilities with energy consen	vation improvements.			\$	Strategic Plan: Dis	Infrastructure
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
vvaler rieveriues	200,000					
Funding Total	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
PW34990006 ENERGIZE PHOENIX		. ,	\$200,000	. ,	Function: E	nergy Projects
	districts along a 10-mile	stretch of the		. ,		nergy Projects
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial clight rail line into a Green Rail Corridor that we have the control of t	districts along a 10-mile	stretch of the		. ,	Function: E Strategic Plan:	nergy Projects Infrastructure
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial clight rail line into a Green Rail Corridor that we have the control of t	districts along a 10-mile	stretch of the		. ,	Function: E Strategic Plan:	nergy Projects Infrastructure trict: Citywide 2,769,000
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial clight rail line into a Green Rail Corridor that wand sustainability.	districts along a 10-mile will become a model of	estretch of the energy efficienc	у	\$	Function: E Strategic Plan: Dis	nergy Projects Infrastructure trict: Citywide
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial clight rail line into a Green Rail Corridor that vand sustainability. Construction	districts along a 10-mile will become a model of 2,769,000 \$2,769,000 2,769,000	estretch of the energy efficienc	у	\$	Function: E Strategic Plan: Dis	nergy Projects Infrastructure trict: Citywide 2,769,000
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial or light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total	districts along a 10-mile will become a model of 2,769,000 \$2,769,000	estretch of the energy efficienc	у	\$	Function: E Strategic Plan: Dis	nergy Projects Infrastructure trict: Citywide 2,769,000 \$2,769,000
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial clight rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund	2,769,000 2,769,000 2,769,000 2,769,000 2,769,000	estretch of the energy efficienc	у	\$	Function: E Strategic Plan: Dis	nergy Projects Infrastructure trict: Citywide
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial of light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION	2,769,000 2,769,000 2,769,000 2,769,000 52,769,000 FOR 305 PARKING	e stretch of the energy efficience - - -	- - -	- - -	Function: E Strategic Plan: Dis	nergy Projects Infrastructure trict: Citywide
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial of light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION GARAGE Upgrade 925 lighting fixtures from the currer	2,769,000 2,769,000 2,769,000 2,769,000 52,769,000 FOR 305 PARKING	e stretch of the energy efficience - - -	- - -	- - -	Function: E Strategic Plan: Dis Function: E	nergy Projects Infrastructure trict: Citywide 2,769,000 \$2,769,000 2,769,000 \$2,769,000 nergy Projects Infrastructure
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PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial or light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION GARAGE Upgrade 925 lighting fixtures from the current the 305 Parking Garage.	districts along a 10-mile will become a model of 2,769,000 \$2,769,000 2,769,000 \$2,769,000 FOR 305 PARKING ant fluorescent lighting to	e stretch of the energy efficience - - -	- - -	- - -	Function: E Strategic Plan: Dis Function: E	nergy Projects Infrastructure trict: Citywide 2,769,000 \$2,769,000 2,769,000 \$2,769,000 nergy Projects Infrastructure District: 7
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial of light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION GARAGE Upgrade 925 lighting fixtures from the currer the 305 Parking Garage. Construction	2,769,000 2,769,000 2,769,000 2,769,000 52,769,000 FOR 305 PARKING at fluorescent lighting to 411,000	e stretch of the energy efficience - - -	- - -	- - -	Function: E Strategic Plan: Dis Function: E	nergy Projects Infrastructure trict: Citywide 2,769,000 \$2,769,000 2,769,000 s2,769,000 nergy Projects Infrastructure District: 7 411,000
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial of light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION GARAGE Upgrade 925 lighting fixtures from the currer the 305 Parking Garage. Construction Project Total	2,769,000 2,769,000 2,769,000 2,769,000 2,769,000 FOR 305 PARKING at fluorescent lighting to 411,000 \$411,000	e stretch of the energy efficience - - -	- - -	- - -	Function: E Strategic Plan: Dis Function: E	nergy Projects Infrastructure trict: Citywide
PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial of light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION GARAGE Upgrade 925 lighting fixtures from the currer the 305 Parking Garage. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990011 ENERGY CONSERVATION	2,769,000 2,769,000 2,769,000 2,769,000 2,769,000 FOR 305 PARKING at fluorescent lighting to 411,000 411,000 \$411,000	e stretch of the energy efficience	- - -	- - -	Function: E Strategic Plan: Dis Function: E Strategic Plan:	nergy Projects Infrastructure trict: Citywide
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PW34990006 ENERGIZE PHOENIX Transform neighborhoods and commercial of light rail line into a Green Rail Corridor that wand sustainability. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990010 ENERGY CONSERVATION GARAGE Upgrade 925 lighting fixtures from the currenthe 305 Parking Garage. Construction Project Total ARRA 2009 Federal Stimulus Fund Funding Total PW34990011 ENERGY CONSERVATION GARAGE Upgrade 1,139 lighting fixtures from the currenthe Adams Street Parking Garage.	2,769,000 2,769,000 2,769,000 2,769,000 2,769,000 52,769,000 1,000 1,000 411,000 411,000 411,000 500	e stretch of the energy efficience	- - -		Function: E Strategic Plan: Dis Function: E Strategic Plan:	nergy Projects Infrastructure trict: Citywide