

Energy Conservation

The \$7.2 million Energy Conservation Program is funded with General, Convention Center, Water and Wastewater operating 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, first year annualized cost savings average \$250,000.

Energy saving retrofits have been completed for lighting, heating, ventilation, air conditioning and control systems. Examples of recent capital projects that the Energy Program has participated in include the Phoenix Convention Center, Pecos Community Center and Desert Broom Library.

2008-2013 CAPITAL IMPROVEMENT PROGRAM

**Energy Conservation
Capital Improvement Program Summary**

Project Summary	2008-09	2009-10	2010-11	2011-12	2012-13	Total
Energy Projects	\$ 1,425,000	\$ 1,388,000	\$ 1,450,000	\$ 1,450,000	\$ 1,450,000	\$ 7,163,000
Total	\$ 1,425,000	\$ 1,388,000	\$ 1,450,000	\$ 1,450,000	\$ 1,450,000	\$ 7,163,000

Source of Funds

Operating Funds

General Fund	\$ 925,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,925,000
Convention Center Revenues	-	138,000	200,000	200,000	200,000	738,000
Water Revenues	200,000	200,000	200,000	200,000	200,000	1,000,000
Wastewater Revenues	300,000	300,000	300,000	300,000	300,000	1,500,000
Total Operating Funds	\$ 1,425,000	\$ 1,388,000	\$ 1,450,000	\$ 1,450,000	\$ 1,450,000	\$ 7,163,000
Total Sources of Funds	\$ 1,425,000	\$ 1,388,000	\$ 1,450,000	\$ 1,450,000	\$ 1,450,000	\$ 7,163,000

City of Phoenix, Arizona
2008-2013 Capital Improvement Program
Energy Conservation

Project No.	Project Title	2008-09	2009-10	2010-11	2011-12	2012-13	Total
PW34030029	ENERGY CONSERVATION - CITYWIDE						
	Function: Energy Projects						
	District: Citywide						
	Provide funding for citywide green buildings (LEED), photovoltaics, energy efficient lighting, efficient HVAC & chiller systems, district cooling, and energy management and temperature control systems.						
Construction		925,000	750,000	750,000	750,000	750,000	3,925,000
Project Total		\$925,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,925,000
General Fund		925,000	750,000	750,000	750,000	750,000	3,925,000
Funding Total		\$925,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,925,000
PW34030030	ENERGY CONSERVATION - WASTEWATER						
	Function: Energy Projects						
	District: Citywide						
	Provide funding for efficient motors, variable speed drives, power factor correction, process controls and substation ownership.						
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
PW34030031	ENERGY CONSERVATION - WATER PRODUCTION						
	Function: Energy Projects						
	District: Citywide						
	Provide funding for efficient motors, variable speed drives, power factor correction, and control systems.						
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
PW34030032	ENERGY CONSERVATION - CONVENTION CENTER						
	Function: Energy Projects						
	District: 8						
	Provide funding for green building (LEED), energy efficient cooling systems, district cooling, energy efficient lighting, photovoltaics, and energy management and temperature control systems.						
Construction		-	138,000	200,000	200,000	200,000	738,000
Project Total		-	\$138,000	\$200,000	\$200,000	\$200,000	\$738,000
Convention Center Revenues		-	138,000	200,000	200,000	200,000	738,000
Funding Total		-	\$138,000	\$200,000	\$200,000	\$200,000	\$738,000