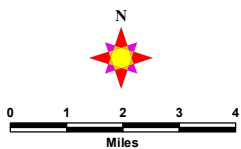
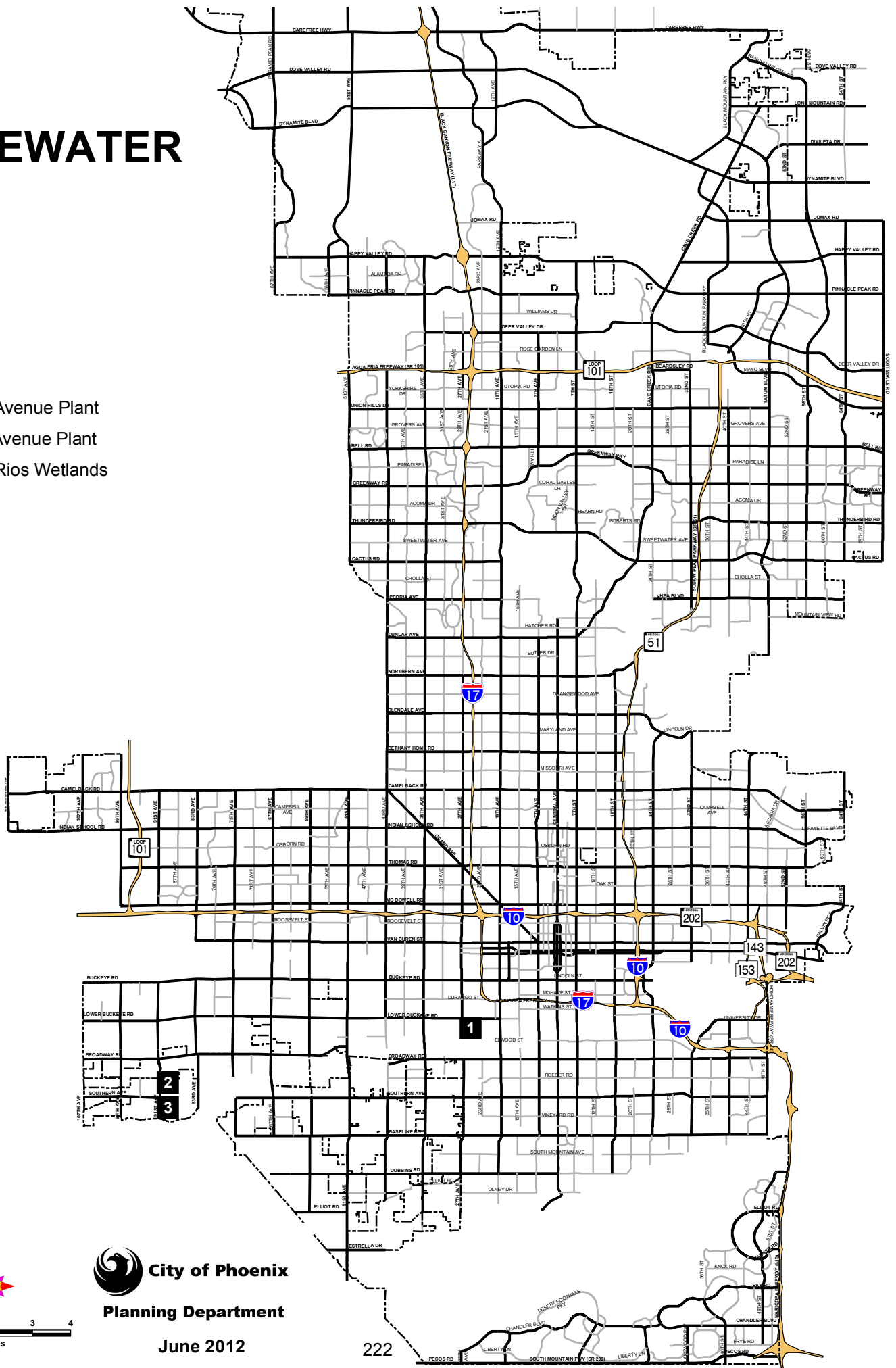


# WASTEWATER

- 1** 23rd Avenue Plant
- 2** 91st Avenue Plant
- 3** Tres Rios Wetlands



**City of Phoenix**  
**Planning Department**

June 2012

## **Wastewater**

The Wastewater program totals \$497.6 million and is funded with Wastewater operating revenue, impact fees, Wastewater non-profit corporation bonds and other cities' share in joint ventures funds.

Major Wastewater projects include the following:

- Implement improvements at wastewater treatment plants including operational and solid stream improvements at the 91st Avenue Wastewater Treatment Plant
- Design and construct SROG Interceptor Capacity improvements
- Construct relief sewers citywide
- Expand, improve and replace sewer lift stations
- Assess, rehabilitate and/or relocate sewers of various sizes and materials throughout the city
- Improve technology including automatic meter reading and billing system upgrade
- Construct pump station
- Conduct various Wastewater management studies, improve security at remote facilities and provide for staff charges and consultant fees
- Complete the Tres Rios Flood Control and Ecosystem Restoration
- Improve various odor control facilities
- Construct growth-related wastewater infrastructure in impact fee areas

**Wastewater**  
Capital Improvement Program Summary

<b>Project Summary</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
23rd Avenue WWTP	3,570,000	6,456,000	3,330,000	3,845,000	2,855,000	20,056,000
91st Avenue WWTP	7,538,334	8,376,292	12,171,000	9,576,000	62,441,000	100,102,626
91st Avenue WWTP Studies	1,127,000	-	-	-	950,000	2,077,000
Automation	4,803,706	1,253,433	1,053,433	1,053,433	380,000	8,544,005
Buildings	685,000	375,000	375,000	375,000	-	1,810,000
Lift Stations	3,367,400	2,090,000	2,940,000	16,615,000	2,227,000	27,239,400
Multi-City Sewer Lines	8,170,000	13,710,000	47,750,000	63,160,000	300,000	133,090,000
North Gateway Reclamation Plant	-	1,060,000	-	-	-	1,060,000
Phoenix Sewers	62,794,873	18,293,358	40,387,546	25,492,633	25,299,000	172,267,410
Security/Fire Compliance	10,000	-	-	-	-	10,000
Tres Rios	1,905,800	-	-	-	-	1,905,800
Wastewater System Studies	825,000	75,000	975,000	75,000	975,000	2,925,000
Debt	25,500,000	-	-	-	-	25,500,000
Percent for Art	735,062	75,000	137,908	-	46,000	993,970
<b>Total</b>	<b>\$121,032,175</b>	<b>\$51,764,083</b>	<b>\$109,119,887</b>	<b>\$120,192,066</b>	<b>\$95,473,000</b>	<b>\$497,581,211</b>
<b>Source of Funds</b>						
<u>Operating Funds</u>						
Arizona Highway Users	100,000	-	-	-	-	100,000
Wastewater Operating	57,973,538	42,555,727	79,846,611	88,080,728	66,723,812	335,180,416
<b>Total Operating Funds</b>	<b>\$58,073,538</b>	<b>\$42,555,727</b>	<b>\$79,846,611</b>	<b>\$88,080,728</b>	<b>\$66,723,812</b>	<b>\$335,280,416</b>
<u>Bond Funds</u>						
2006 Bonds	-	-	-	-	46,000	46,000
Nonprofit Corporation Bonds - Wastewater	1,214,152	75,000	137,908	-	-	1,427,060
<b>Total Bond Funds</b>	<b>\$1,214,152</b>	<b>\$75,000</b>	<b>\$137,908</b>	<b>-</b>	<b>\$46,000</b>	<b>\$1,473,060</b>
<u>Other Financing</u>						
Capital Reserves	25,000,000	-	-	-	-	25,000,000
Impact Fees	28,620,127	-	870,000	6,580,000	-	36,070,127
Other Cities' Share in Joint Ventures	8,124,358	9,133,356	28,265,368	25,531,338	28,703,188	99,757,608
<b>Total Other Financing</b>	<b>\$61,744,485</b>	<b>\$9,133,356</b>	<b>\$29,135,368</b>	<b>\$32,111,338</b>	<b>\$28,703,188</b>	<b>\$160,827,735</b>
<b>Total Sources of Funds</b>	<b>\$121,032,175</b>	<b>\$51,764,083</b>	<b>\$109,119,887</b>	<b>\$120,192,066</b>	<b>\$95,473,000</b>	<b>\$497,581,211</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS9020001</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT REPLACEMENT FUND</b>						
	Repair and replace 23rd Avenue Wastewater Treatment Plant equipment.						
							<b>Function: 23rd Avenue WWTP</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		185,000	200,000	200,000	200,000	200,000	985,000
Equipment		450,000	500,000	500,000	500,000	500,000	2,450,000
Design		250,000	300,000	300,000	300,000	300,000	1,450,000
Construction		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
<b>Project Total</b>		<b>\$1,885,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$9,885,000</b>
Wastewater Replacement - 23rd Avenue WWTP		1,885,000	2,000,000	2,000,000	2,000,000	2,000,000	9,885,000
<b>Funding Total</b>		<b>\$1,885,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$2,000,000</b>	<b>\$9,885,000</b>
<b>WS90200023</b>	<b>23RD AVENUE TOXICITY IDENTIFICATION AND REDUCTION EVALUATION</b>						
	Evaluate toxicity identification and reduction at the 23rd Avenue Wastewater Treatment Plant.						
							<b>Function: 23rd Avenue WWTP</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Study		-	-	-	200,000	-	200,000
Other		15,000	15,000	15,000	25,000	15,000	85,000
<b>Project Total</b>		<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$225,000</b>	<b>\$15,000</b>	<b>\$285,000</b>
Wastewater Revenues		15,000	15,000	15,000	225,000	15,000	285,000
<b>Funding Total</b>		<b>\$15,000</b>	<b>\$15,000</b>	<b>\$15,000</b>	<b>\$225,000</b>	<b>\$15,000</b>	<b>\$285,000</b>
<b>WS90200037</b>	<b>INSTRUMENTATION AND CONTROLS INSPECTIONS</b>						
	Design and inspect instrumentation and control projects at the 23rd Avenue Wastewater Treatment Plant.						
							<b>Function: 23rd Avenue WWTP</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		55,000	100,000	40,000	100,000	60,000	355,000
Design		-	800,000	-	820,000	-	1,620,000
<b>Project Total</b>		<b>\$55,000</b>	<b>\$900,000</b>	<b>\$40,000</b>	<b>\$920,000</b>	<b>\$60,000</b>	<b>\$1,975,000</b>
Wastewater Revenues		55,000	900,000	40,000	920,000	60,000	1,975,000
<b>Funding Total</b>		<b>\$55,000</b>	<b>\$900,000</b>	<b>\$40,000</b>	<b>\$920,000</b>	<b>\$60,000</b>	<b>\$1,975,000</b>
<b>WS90200038</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT PROCESS CONTROL OPTIMIZATION</b>						
	Improve efficiency of existing control systems.						
							<b>Function: 23rd Avenue WWTP</b>
							<b>Strategic Plan: Technology</b>
							<b>District: 7</b>
Other		105,000	75,000	75,000	75,000	75,000	405,000
Design		-	-	200,000	-	-	200,000
Construction		295,000	325,000	325,000	325,000	325,000	1,595,000
<b>Project Total</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$600,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$2,200,000</b>
Wastewater Revenues		400,000	400,000	600,000	400,000	400,000	2,200,000
<b>Funding Total</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$600,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$2,200,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90200044</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT LOCAL LIMITS STUDY</b>						
							<b>Function: 23rd Avenue WWTP</b>
	Conduct a regulatory study to implement new requirements, procedures and processes at the 23rd Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Study		361,000	-	-	-	-	361,000
Other		10,000	-	-	-	-	10,000
<b>Project Total</b>		<b>\$371,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$371,000</b>
Wastewater Revenues		371,000	-	-	-	-	371,000
<b>Funding Total</b>		<b>\$371,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$371,000</b>
<b>WS90200053</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT OPERATIONAL IMPROVEMENTS</b>						
							<b>Function: 23rd Avenue WWTP</b>
	Study, design and construct improvements to the existing flow monitoring and sampling for major plant residual streams.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Study		-	-	-	-	50,000	50,000
Other		30,000	175,000	-	-	30,000	235,000
Design		194,000	-	-	-	-	194,000
Construction		-	2,291,000	-	-	-	2,291,000
<b>Project Total</b>		<b>\$224,000</b>	<b>\$2,466,000</b>	<b>-</b>	<b>-</b>	<b>\$80,000</b>	<b>\$2,770,000</b>
Wastewater Revenues		224,000	2,466,000	-	-	80,000	2,770,000
<b>Funding Total</b>		<b>\$224,000</b>	<b>\$2,466,000</b>	<b>-</b>	<b>-</b>	<b>\$80,000</b>	<b>\$2,770,000</b>
<b>WS90200054</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT DIGESTER GAS SALE NEGOTIATIONS</b>						
							<b>Function: 23rd Avenue WWTP</b>
	Provide staff support services for the 23rd Avenue Wastewater Treatment Plant digester gas sale project.						<b>Strategic Plan: Sustainability</b>
							<b>District: 7</b>
Other		15,000	-	-	-	-	15,000
<b>Project Total</b>		<b>\$15,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$15,000</b>
Wastewater Revenues		15,000	-	-	-	-	15,000
<b>Funding Total</b>		<b>\$15,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$15,000</b>
<b>WS90200055</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT SAFETY</b>						
							<b>Function: 23rd Avenue WWTP</b>
	Improve safety at the 23rd Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		105,000	-	-	-	-	105,000
Design		50,000	50,000	50,000	50,000	50,000	250,000
Construction		250,000	250,000	250,000	250,000	250,000	1,250,000
<b>Project Total</b>		<b>\$405,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$1,605,000</b>
Wastewater Revenues		405,000	300,000	300,000	300,000	300,000	1,605,000
<b>Funding Total</b>		<b>\$405,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$1,605,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90200056</b>	<b>23RD AVENUE WASTEWATER TREATMENT PLANT PIPE AND EQUIPMENT COATING</b>						
							<b>Function: 23rd Avenue WWTP</b>
	Apply protective coatings to plant process equipment, structural support members, piping, tanks, motors, mechanical and related equipment at 23rd Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		5,000	45,000	45,000	-	-	95,000
Design		45,000	30,000	30,000	-	-	105,000
Construction		150,000	300,000	300,000	-	-	750,000
<b>Project Total</b>		<b>\$200,000</b>	<b>\$375,000</b>	<b>\$375,000</b>	<b>-</b>	<b>-</b>	<b>\$950,000</b>
Wastewater Revenues		200,000	375,000	375,000	-	-	950,000
<b>Funding Total</b>		<b>\$200,000</b>	<b>\$375,000</b>	<b>\$375,000</b>	<b>-</b>	<b>-</b>	<b>\$950,000</b>
<b>WS90100001</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT REPLACEMENT FUND</b>						
							<b>Function: 91st Avenue WWTP</b>
	Repair and replace 91st Avenue Wastewater Treatment Plant equipment.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		250,000	250,000	250,000	250,000	250,000	1,250,000
Equipment		4,750,000	4,750,000	4,750,000	4,750,000	4,750,000	23,750,000
<b>Project Total</b>		<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$25,000,000</b>
SROG Replacement Fund		5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	25,000,000
<b>Funding Total</b>		<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$25,000,000</b>
<b>WS90100021</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT TOXICITY IDENTIFICATION AND REDUCTION EVALUATION PROGRAM</b>						
							<b>Function: 91st Avenue WWTP</b>
	Evaluate toxicity identification and reduction for the 91st Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Study		-	-	100,000	-	-	100,000
Other		25,000	10,000	25,000	10,000	10,000	80,000
<b>Project Total</b>		<b>\$25,000</b>	<b>\$10,000</b>	<b>\$125,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$180,000</b>
Wastewater Revenues		13,550	5,420	59,350	5,420	5,420	89,160
SROG - Other Cities Participation		11,450	4,580	65,650	4,580	4,580	90,840
<b>Funding Total</b>		<b>\$25,000</b>	<b>\$10,000</b>	<b>\$125,000</b>	<b>\$10,000</b>	<b>\$10,000</b>	<b>\$180,000</b>
<b>WS90100059</b>	<b>POWER LINE RELOCATION</b>						
							<b>Function: 91st Avenue WWTP</b>
	Purchase power line easement land for relocation of 500 kilovolt SRP line ahead of 91st Ave Wastewater Treatment Plant expansion.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		100,000	-	-	-	-	100,000
Land Acquisition		96,440	-	-	-	-	96,440
<b>Project Total</b>		<b>\$196,440</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$196,440</b>
Wastewater Revenues		110,871	-	-	-	-	110,871
SROG - Other Cities Participation		85,569	-	-	-	-	85,569
<b>Funding Total</b>		<b>\$196,440</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$196,440</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90100061</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT PROCESS CONTROL OPTIMIZATION</b>						
							<b>Function: 91st Avenue WWTP</b>
	Increase efficiency of the existing process control systems at the 91st Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Technology</b>
							<b>District: 7</b>
Other		67,000	120,000	120,000	120,000	120,000	547,000
Construction		613,000	630,000	650,000	675,000	700,000	3,268,000
<b>Project Total</b>		<b>\$680,000</b>	<b>\$750,000</b>	<b>\$770,000</b>	<b>\$795,000</b>	<b>\$820,000</b>	<b>\$3,815,000</b>
Wastewater Revenues		383,792	423,300	434,588	448,698	462,808	2,153,186
SROG - Other Cities Participation		296,208	326,700	335,412	346,302	357,192	1,661,814
<b>Funding Total</b>		<b>\$680,000</b>	<b>\$750,000</b>	<b>\$770,000</b>	<b>\$795,000</b>	<b>\$820,000</b>	<b>\$3,815,000</b>
<b>WS90100088</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT DIGESTER GAS SALE SUPPORT</b>						
							<b>Function: 91st Avenue WWTP</b>
	Provide engineering and cost estimating support for the 91st Avenue Wastewater Treatment Plant digester gas sale project.						<b>Strategic Plan: Sustainability</b>
							<b>District: 7</b>
Study		10,000	-	-	-	-	10,000
Other		40,000	-	-	-	-	40,000
<b>Project Total</b>		<b>\$50,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$50,000</b>
Wastewater Revenues		10,000	-	-	-	-	10,000
SROG - Other Cities Participation		40,000	-	-	-	-	40,000
<b>Funding Total</b>		<b>\$50,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$50,000</b>
<b>WS90100089</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT DEWATERING CENTRIFUGE</b>						
							<b>Function: 91st Avenue WWTP</b>
	Convert sludge thickening machine to a sludge dewatering machine.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		115,000	-	-	-	-	115,000
<b>Project Total</b>		<b>\$115,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$115,000</b>
Wastewater Revenues		63,434	-	-	-	-	63,434
SROG - Other Cities Participation		51,566	-	-	-	-	51,566
<b>Funding Total</b>		<b>\$115,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$115,000</b>
<b>WS90100090</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT OPERATIONAL AND SOLID STREAM IMPROVEMENTS</b>						
							<b>Function: 91st Avenue WWTP</b>
	Design and construct operational and solid stream improvements to meet projected plant demands and regulatory requirements.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		-	-	165,000	200,000	450,000	815,000
Design		-	-	5,000,000	-	5,000,000	10,000,000
Construction		-	-	-	-	50,000,000	50,000,000
<b>Project Total</b>		<b>-</b>	<b>-</b>	<b>\$5,165,000</b>	<b>\$200,000</b>	<b>\$55,450,000</b>	<b>\$60,815,000</b>
Wastewater Revenues		-	-	2,809,760	108,800	30,164,800	33,083,360
SROG - Other Cities Participation		-	-	2,355,240	91,200	25,285,200	27,731,640
<b>Funding Total</b>		<b>-</b>	<b>-</b>	<b>\$5,165,000</b>	<b>\$200,000</b>	<b>\$55,450,000</b>	<b>\$60,815,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90100091</b>	<b>SROG MANAGEMENT INFORMATION SYSTEM (SMIS) WEBSITE HOSTING AND UPGRADES</b>						
							<b>Function: 91st Avenue WWTP</b>
	Provide for consulting services to update programming to accommodate hosting and operation of the SROG MANAGEMENT INFORMATION SYSTEM (SMIS) website.						<b>Strategic Plan: Technology</b>
							<b>District: 7</b>
Other		30,000	-	-	110,000	-	140,000
Design		-	-	-	750,000	-	750,000
<b>Project Total</b>		<b>\$30,000</b>	<b>-</b>	<b>-</b>	<b>\$860,000</b>	<b>-</b>	<b>\$890,000</b>
Wastewater Revenues		6,000	-	-	172,000	-	178,000
SROG - Other Cities Participation		24,000	-	-	688,000	-	712,000
<b>Funding Total</b>		<b>\$30,000</b>	<b>-</b>	<b>-</b>	<b>\$860,000</b>	<b>-</b>	<b>\$890,000</b>
<b>WS90100092</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT INSTRUMENTATION AND CONTROL</b>						
							<b>Function: 91st Avenue WWTP</b>
	Provide engineering services to enforce electrical, instrumentation and control standards.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		70,000	198,000	100,000	225,000	150,000	743,000
Design		-	1,407,292	-	1,475,000	-	2,882,292
<b>Project Total</b>		<b>\$70,000</b>	<b>\$1,605,292</b>	<b>\$100,000</b>	<b>\$1,700,000</b>	<b>\$150,000</b>	<b>\$3,625,292</b>
Wastewater Revenues		38,612	885,479	55,160	937,720	82,740	1,999,711
SROG - Other Cities Participation		31,388	719,813	44,840	762,280	67,260	1,625,581
<b>Funding Total</b>		<b>\$70,000</b>	<b>\$1,605,292</b>	<b>\$100,000</b>	<b>\$1,700,000</b>	<b>\$150,000</b>	<b>\$3,625,292</b>
<b>WS90100093</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT PIPE AND EQUIPMENT COATING</b>						
							<b>Function: 91st Avenue WWTP</b>
	Apply protective coatings to plant process equipment, structural support members, piping, tanks, motors, mechanical and related equipment at 91st Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		85,000	61,000	61,000	61,000	61,000	329,000
Design		50,000	50,000	50,000	50,000	50,000	250,000
Construction		500,000	500,000	500,000	500,000	500,000	2,500,000
<b>Project Total</b>		<b>\$635,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$3,079,000</b>
Wastewater Revenues		350,266	332,384	332,384	332,384	332,384	1,679,802
SROG - Other Cities Participation		284,734	278,616	278,616	278,616	278,616	1,399,198
<b>Funding Total</b>		<b>\$635,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$611,000</b>	<b>\$3,079,000</b>
<b>WS90100094</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT SAFETY</b>						
							<b>Function: 91st Avenue WWTP</b>
	Improve safety at the 91st Avenue Wastewater Treatment Plant.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Other		60,000	60,000	60,000	60,000	60,000	300,000
Design		55,000	55,000	55,000	55,000	55,000	275,000
Construction		285,000	285,000	285,000	285,000	285,000	1,425,000
<b>Project Total</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$2,000,000</b>
Wastewater Revenues		220,640	220,640	220,640	220,640	220,640	1,103,200
SROG - Other Cities Participation		179,360	179,360	179,360	179,360	179,360	896,800
<b>Funding Total</b>		<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$2,000,000</b>



## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90100095</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT WORK ORDER AND ASSET MANAGEMENT SYSTEM</b>						
							Function: 91st Avenue WWTP
	Provide for consulting services to install and configure software products at the 91st Avenue Wastewater Treatment Plant for management reporting and integration between various systems.						Strategic Plan: Technology
							District: 7
	Design	336,894	-	-	-	-	336,894
	<b>Project Total</b>	<b>\$336,894</b>	-	-	-	-	<b>\$336,894</b>
	Wastewater Revenues	185,831	-	-	-	-	185,831
	SROG - Other Cities Participation	151,063	-	-	-	-	151,063
	<b>Funding Total</b>	<b>\$336,894</b>	-	-	-	-	<b>\$336,894</b>
<b>WS90120033</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT 25-YEAR MASTER PLAN UPDATE</b>						
							Function: 91st Avenue WWTP Studies
	Complete flow and loading study for the 91st Avenue Wastewater Treatment Plant (UP10) expansion.						Strategic Plan: Infrastructure
							District: 7
	Other	10,000	-	-	-	-	10,000
	<b>Project Total</b>	<b>\$10,000</b>	-	-	-	-	<b>\$10,000</b>
	Wastewater Revenues	2,000	-	-	-	-	2,000
	SROG - Other Cities Participation	8,000	-	-	-	-	8,000
	<b>Funding Total</b>	<b>\$10,000</b>	-	-	-	-	<b>\$10,000</b>
<b>WS90120034</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT UP15 FLOW AND LOADING PROJECTIONS</b>						
							Function: 91st Avenue WWTP Studies
	Study flow and loading for the 91st Avenue Wastewater Treatment Plant expansion (UP15).						Strategic Plan: Infrastructure
							District: 7
	Study	-	-	-	-	885,000	885,000
	Other	-	-	-	-	65,000	65,000
	<b>Project Total</b>	-	-	-	-	<b>\$950,000</b>	<b>\$950,000</b>
	Wastewater Revenues	-	-	-	-	27,580	27,580
	Wastewater Development Occupational Fee	-	-	-	-	496,440	496,440
	SROG - Other Cities Participation	-	-	-	-	425,980	425,980
	<b>Funding Total</b>	-	-	-	-	<b>\$950,000</b>	<b>\$950,000</b>
<b>WS90120037</b>	<b>91ST AVENUE WASTEWATER TREATMENT PLANT LOCAL LIMITS STUDY</b>						
							Function: 91st Avenue WWTP Studies
	Conduct a regulatory study to implement new requirements, procedures and processes at the 91st Avenue Wastewater Treatment Plant.						Strategic Plan: Infrastructure
							District: 7
	Study	1,107,000	-	-	-	-	1,107,000
	Other	10,000	-	-	-	-	10,000
	<b>Project Total</b>	<b>\$1,117,000</b>	-	-	-	-	<b>\$1,117,000</b>
	Wastewater Revenues	616,137	-	-	-	-	616,137
	SROG - Other Cities Participation	500,863	-	-	-	-	500,863
	<b>Funding Total</b>	<b>\$1,117,000</b>	-	-	-	-	<b>\$1,117,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90660004</b>	<b>CUSTOMER SERVICE MOBILE FIELD WORK ORDER SYSTEM</b>						
							Function: Automation
	Procure equipment for field work order system to interface with the Customer Information System mobile work management system.						Strategic Plan: Innovation and Efficiency
							District: Citywide
Other		840	-	-	-	-	840
Equipment		8,320	-	-	-	-	8,320
Construction		20,042	-	-	-	-	20,042
<b>Project Total</b>		<b>\$29,202</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$29,202</b>
Wastewater Revenues		29,202	-	-	-	-	29,202
<b>Funding Total</b>		<b>\$29,202</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$29,202</b>
<b>WS90660005</b>	<b>AUTOMATIC METER READING SYSTEM</b>						
							Function: Automation
	Install software, hardware and various devices in two man crew vaulted meters.						Strategic Plan: Infrastructure
							District: Citywide
Equipment		1,562,858	1,053,433	1,053,433	1,053,433	-	4,723,157
<b>Project Total</b>		<b>\$1,562,858</b>	<b>\$1,053,433</b>	<b>\$1,053,433</b>	<b>\$1,053,433</b>	<b>-</b>	<b>\$4,723,157</b>
Wastewater Revenues		1,562,858	1,053,433	1,053,433	1,053,433	-	4,723,157
<b>Funding Total</b>		<b>\$1,562,858</b>	<b>\$1,053,433</b>	<b>\$1,053,433</b>	<b>\$1,053,433</b>	<b>-</b>	<b>\$4,723,157</b>
<b>WS90660007</b>	<b>WORK ORDER AND ASSET MANAGEMENT SYSTEM</b>						
							Function: Automation
	Provide for consulting services to install and configure software products for management reporting and integration between various systems.						Strategic Plan: Technology
							District: Citywide
Design		119,438	-	-	-	380,000	499,438
<b>Project Total</b>		<b>\$119,438</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$380,000</b>	<b>\$499,438</b>
Wastewater Revenues		119,438	-	-	-	380,000	499,438
<b>Funding Total</b>		<b>\$119,438</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$380,000</b>	<b>\$499,438</b>
<b>WS90660009</b>	<b>ELECTRONIC BILLING CONSOLIDATION</b>						
							Function: Automation
	Provide e-billing services to customers interfacing with Oracle Customer Care and Billing System.						Strategic Plan: Innovation and Efficiency
							District: Citywide
Design		97,500	-	-	-	-	97,500
<b>Project Total</b>		<b>\$97,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$97,500</b>
Wastewater Revenues		97,500	-	-	-	-	97,500
<b>Funding Total</b>		<b>\$97,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$97,500</b>
<b>WS90660010</b>	<b>INTERACTIVE VOICE RESPONSE REPLACEMENT</b>						
							Function: Automation
	Update the base telephony Interactive Voice Response (IVR) software.						Strategic Plan: Infrastructure
							District: Citywide
Construction		361,900	-	-	-	-	361,900
<b>Project Total</b>		<b>\$361,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$361,900</b>
Wastewater Revenues		361,900	-	-	-	-	361,900
<b>Funding Total</b>		<b>\$361,900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$361,900</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90660011</b>	<b>MASTER AS-BUILTS - WASTEWATER FACILITIES</b>						
	Provide for consultant services to consolidate, maintain and secure construction documents and operations/maintenance manuals for all facilities.						
							<b>Function: Automation</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Design		445,808	200,000	-	-	-	645,808
<b>Project Total</b>		<b>\$445,808</b>	<b>\$200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$645,808</b>
Wastewater Revenues		445,808	200,000	-	-	-	645,808
<b>Funding Total</b>		<b>\$445,808</b>	<b>\$200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$645,808</b>
<b>WS90660012</b>	<b>CUSTOMER CARE AND BILLING SYSTEM (CC&amp;B) UPGRADE</b>						
	Upgrade the existing version of the city's utility billing system (CC&B) to a current version.						
							<b>Function: Automation</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Study		51,000	-	-	-	-	51,000
Other		817,000	-	-	-	-	817,000
Equipment		138,000	-	-	-	-	138,000
Design		1,181,000	-	-	-	-	1,181,000
<b>Project Total</b>		<b>\$2,187,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,187,000</b>
Wastewater Revenues		2,187,000	-	-	-	-	2,187,000
<b>Funding Total</b>		<b>\$2,187,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,187,000</b>
<b>WS90450007</b>	<b>ENERGY MANAGEMENT PROGRAM</b>						
	Provide engineering services to energy management and conservation by improving efficiency and optimizing electrical demand as recommended in Innovation and Efficiency Study of the Phoenix Water Services Department.						
							<b>Function: Buildings</b>
							<b>Strategic Plan: Sustainability</b>
							<b>District: Citywide</b>
Other		210,000	-	-	-	-	210,000
Design		475,000	375,000	375,000	375,000	-	1,600,000
<b>Project Total</b>		<b>\$685,000</b>	<b>\$375,000</b>	<b>\$375,000</b>	<b>\$375,000</b>	<b>-</b>	<b>\$1,810,000</b>
Wastewater Revenues		685,000	375,000	375,000	375,000	-	1,810,000
<b>Funding Total</b>		<b>\$685,000</b>	<b>\$375,000</b>	<b>\$375,000</b>	<b>\$375,000</b>	<b>-</b>	<b>\$1,810,000</b>
<b>WS90400023</b>	<b>LIFT STATION REPLACEMENT</b>						
	Repair and replace sewer lift stations.						
							<b>Function: Lift Stations</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Other		170,000	105,000	100,000	110,000	125,000	610,000
Design		50,000	-	-	-	-	50,000
Construction		1,985,000	1,985,000	1,970,000	1,975,000	2,075,000	9,990,000
<b>Project Total</b>		<b>\$2,205,000</b>	<b>\$2,090,000</b>	<b>\$2,070,000</b>	<b>\$2,085,000</b>	<b>\$2,200,000</b>	<b>\$10,650,000</b>
Wastewater Revenues		2,205,000	2,090,000	2,070,000	2,085,000	2,200,000	10,650,000
<b>Funding Total</b>		<b>\$2,205,000</b>	<b>\$2,090,000</b>	<b>\$2,070,000</b>	<b>\$2,085,000</b>	<b>\$2,200,000</b>	<b>\$10,650,000</b>
<b>WS90400060</b>	<b>CONSTRUCT DRIVEWAY, LIFT STATION 51</b>						
	Construct driveway for Lift Station 51.						
							<b>Function: Lift Stations</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 2</b>
Other		15,400	-	-	-	-	15,400
Land Acquisition		5,000	-	-	-	-	5,000
Construction		50,000	-	-	-	-	50,000
<b>Project Total</b>		<b>\$70,400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$70,400</b>
Wastewater Revenues		70,400	-	-	-	-	70,400
<b>Funding Total</b>		<b>\$70,400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$70,400</b>

## Wastewater

Project No.	Project Title	2013-14	2014-15	2015-16	2016-17	2017-18	Total
<b>WS90400061</b>	<b>LIFT STATION 62 EXPANSION</b>						
	Design and construct Lift Station 62 expansion at 9059 West Broadway Road to increase capacity from 5 million gallons per day to 20 million gallons per day.						
	Estimated full-year ongoing operating costs: \$80,000						District: 7
	Other	-	-	50,000	65,000	27,000	142,000
	Design	-	-	820,000	820,000	-	1,640,000
	Construction	-	-	-	13,645,000	-	13,645,000
	<b>Project Total</b>	-	-	<b>\$870,000</b>	<b>\$14,530,000</b>	<b>\$27,000</b>	<b>\$15,427,000</b>
	Wastewater Development Occupational Fee	-	-	-	7,950,000	27,000	7,977,000
	Impact Fee - Estrella South, Wastewater	-	-	870,000	6,580,000	-	7,450,000
	<b>Funding Total</b>	-	-	<b>\$870,000</b>	<b>\$14,530,000</b>	<b>\$27,000</b>	<b>\$15,427,000</b>
<b>WS90400063</b>	<b>LIFT STATION 48 BIOFILTER INSTALLATION</b>						
	Complete demolition of existing odor scrubber, chemical tanks, pumps, piping and containment area and installation of a new biofilter at Lift Station 48.						
							District: 5
	Other	10,000	-	-	-	-	10,000
	<b>Project Total</b>	<b>\$10,000</b>	-	-	-	-	<b>\$10,000</b>
	Wastewater Revenues	10,000	-	-	-	-	10,000
	<b>Funding Total</b>	<b>\$10,000</b>	-	-	-	-	<b>\$10,000</b>
<b>WS90400064</b>	<b>LIFT STATION 42 OPERATIONAL IMPROVEMENTS</b>						
	Implement improvements to the electrical, control and mechanical systems at Lift Station 42 to improve efficiency and prolong asset life.						
							District: 6
	Other	3,500	-	-	-	-	3,500
	Construction	455,000	-	-	-	-	455,000
	<b>Project Total</b>	<b>\$458,500</b>	-	-	-	-	<b>\$458,500</b>
	Wastewater Revenues	458,500	-	-	-	-	458,500
	<b>Funding Total</b>	<b>\$458,500</b>	-	-	-	-	<b>\$458,500</b>
<b>WS90400065</b>	<b>LIFT STATION 41 ODOR CONTROL IMPROVEMENTS</b>						
	Remove and replace existing wet chemical scrubber with a biofilter at Lift Station 41.						
							District: 6
	Other	3,500	-	-	-	-	3,500
	Design	70,000	-	-	-	-	70,000
	Construction	550,000	-	-	-	-	550,000
	<b>Project Total</b>	<b>\$623,500</b>	-	-	-	-	<b>\$623,500</b>
	Wastewater Revenues	623,500	-	-	-	-	623,500
	<b>Funding Total</b>	<b>\$623,500</b>	-	-	-	-	<b>\$623,500</b>
<b>WS90160072</b>	<b>99TH AVENUE INTERCEPTOR</b>						
	Implement improvements to the 99th Avenue interceptor.						
							District: 5 & 7
	Other	50,000	200,000	-	-	-	250,000
	Design	1,000,000	200,000	-	-	-	1,200,000
	Construction	-	1,800,000	-	-	-	1,800,000
	<b>Project Total</b>	<b>\$1,050,000</b>	<b>\$2,200,000</b>	-	-	-	<b>\$3,250,000</b>
	Wastewater Revenues	91,350	191,400	-	-	-	282,750
	SROG - Other Cities Participation	958,650	2,008,600	-	-	-	2,967,250
	<b>Funding Total</b>	<b>\$1,050,000</b>	<b>\$2,200,000</b>	-	-	-	<b>\$3,250,000</b>

## Wastewater

Project No.	Project Title	2013-14	2014-15	2015-16	2016-17	2017-18	Total
<b>WS90160082</b>	<b>SROG INTERCEPTOR CAPACITY EVALUATION</b>						
	Provide staff support services and oversee the completion of the SROG Interceptor Capacity evaluation.						
							District: 7
	Other	35,000	-	-	-	-	35,000
	<b>Project Total</b>	<b>\$35,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$35,000</b>
	Wastewater Revenues	8,750	-	-	-	-	8,750
	SROG - Other Cities Participation	26,250	-	-	-	-	26,250
	<b>Funding Total</b>	<b>\$35,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$35,000</b>
<b>WS90160083</b>	<b>SROG INTERCEPTOR CAPACITY EVALUATION- PHOENIX STUDY</b>						
	Review and update tributary sewage collection basin hydrographs by managing dry and wet weather flows discharged into the SROG and 99th Avenue interceptors.						
							District: 7
	Study	482,000	-	-	-	-	482,000
	Other	108,000	-	-	-	-	108,000
	<b>Project Total</b>	<b>\$590,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$590,000</b>
	Wastewater Revenues	590,000	-	-	-	-	590,000
	<b>Funding Total</b>	<b>\$590,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$590,000</b>
<b>WS90160084</b>	<b>SROG INTERCEPTOR CAPACITY IMPROVEMENTS</b>						
	Design and construct the SROG Interceptor Capacity to monitor and control local response to dry and wet weather hydrographs.						
							District: 7
	Other	-	435,000	300,000	600,000	300,000	1,635,000
	Design	-	7,800,000	-	7,000,000	-	14,800,000
	Construction	-	-	8,550,000	55,160,000	-	63,710,000
	<b>Project Total</b>	<b>-</b>	<b>\$8,235,000</b>	<b>\$8,850,000</b>	<b>\$62,760,000</b>	<b>\$300,000</b>	<b>\$80,145,000</b>
	Wastewater Revenues	-	5,352,750	5,752,500	40,794,000	195,000	52,094,250
	SROG - Other Cities Participation	-	2,882,250	3,097,500	21,966,000	105,000	28,050,750
	<b>Funding Total</b>	<b>-</b>	<b>\$8,235,000</b>	<b>\$8,850,000</b>	<b>\$62,760,000</b>	<b>\$300,000</b>	<b>\$80,145,000</b>
<b>WS90160085</b>	<b>SALT RIVER OUTFALL FLOW MONITORING</b>						
	Provide staff support services and oversee the completion of the Salt River Outfall Flow Monitoring project at 59th Avenue.						
							District: 7
	Other	20,000	-	-	-	-	20,000
	<b>Project Total</b>	<b>\$20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$20,000</b>
	Wastewater Revenues	20,000	-	-	-	-	20,000
	<b>Funding Total</b>	<b>\$20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$20,000</b>
<b>WS90160086</b>	<b>SALT RIVER OUTFALL SANITARY SEWER ASSESSMENT</b>						
	Rehab approximately 16.5 miles of the Salt River Outfall and approximately 4.5 miles of polyvinyl chloride lined pipe segments and inspect manholes.						
							District: 7 & 8
	Other	25,000	50,000	-	-	-	75,000
	Design	150,000	150,000	-	-	-	300,000
	Construction	-	2,000,000	-	-	-	2,000,000
	<b>Project Total</b>	<b>\$175,000</b>	<b>\$2,200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,375,000</b>
	Wastewater Revenues	80,937	1,017,501	-	-	-	1,098,438
	SROG - Other Cities Participation	94,063	1,182,499	-	-	-	1,276,562
	<b>Funding Total</b>	<b>\$175,000</b>	<b>\$2,200,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,375,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90160087</b>	<b>SOUTHERN AVENUE INTERCEPTOR CONDITION ASSESSMENT</b>						
	Rehab the Southern Avenue Interceptor and the 51st Avenue Prestressed Concrete Cylinder Pipe siphon, including all manholes and structures on the interceptor.						
							<b>District: 7 &amp; 8</b>
	Other	50,000	25,000	-	-	-	75,000
	Design	290,000	-	-	-	-	290,000
	Construction	1,310,000	-	-	-	-	1,310,000
	<b>Project Total</b>	<b>\$1,650,000</b>	<b>\$25,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,675,000</b>
	Wastewater Revenues	589,875	8,938	-	-	-	598,813
	SROG - Other Cities Participation	1,060,125	16,062	-	-	-	1,076,187
	<b>Funding Total</b>	<b>\$1,650,000</b>	<b>\$25,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,675,000</b>
<b>WS90160088</b>	<b>SALT RIVER OUTFALL BIOFILTER</b>						
	Study, design and construct a biofilter to replace the existing wet chemical scrubber used to provide odor control on the Salt River Outfall (SRO) interceptor.						
							<b>District: 8</b>
	Study	50,000	-	-	-	-	50,000
	Design	100,000	100,000	-	-	-	200,000
	Construction	-	750,000	-	-	-	750,000
	<b>Project Total</b>	<b>\$150,000</b>	<b>\$850,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,000,000</b>
	Wastewater Revenues	69,375	393,125	-	-	-	462,500
	SROG - Other Cities Participation	80,625	456,875	-	-	-	537,500
	<b>Funding Total</b>	<b>\$150,000</b>	<b>\$850,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,000,000</b>
<b>WS90160090</b>	<b>SALT RIVER OUTFALL SOUTHERN AVENUE INTERCEPTOR ODOR CONTROL IMPLEMENTATION</b>						
	Design and construct various odor control facilities including acquisition of land and easements, construction administration and inspection and warranty phase services.						
							<b>District: 6, 7 &amp; 8</b>
	Other	-	200,000	400,000	400,000	-	1,000,000
	Land Acquisition	1,000,000	-	-	-	-	1,000,000
	Design	3,500,000	-	3,500,000	-	-	7,000,000
	Construction	-	-	35,000,000	-	-	35,000,000
	<b>Project Total</b>	<b>\$4,500,000</b>	<b>\$200,000</b>	<b>\$38,900,000</b>	<b>\$400,000</b>	<b>-</b>	<b>\$44,000,000</b>
	Wastewater Revenues	2,081,250	92,500	17,991,250	185,000	-	20,350,000
	SROG - Other Cities Participation	2,418,750	107,500	20,908,750	215,000	-	23,650,000
	<b>Funding Total</b>	<b>\$4,500,000</b>	<b>\$200,000</b>	<b>\$38,900,000</b>	<b>\$400,000</b>	<b>-</b>	<b>\$44,000,000</b>
<b>WS90320007</b>	<b>NORTH GATEWAY PUMP STATION AND FORCE MAIN</b>						
	Construct a 4 million gallon per day pump station and 7.5 miles of twin 24" force mains.						
							<b>District: 2</b>
	Other	-	95,000	-	-	-	95,000
	Construction	-	965,000	-	-	-	965,000
	<b>Project Total</b>	<b>-</b>	<b>\$1,060,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,060,000</b>
	Wastewater Revenues	-	1,060,000	-	-	-	1,060,000
	<b>Funding Total</b>	<b>-</b>	<b>\$1,060,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,060,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500012</b>	<b>SEWER MANHOLE AND STRUCTURE REPLACEMENT</b>						
	Replace deteriorated sewer mains and manholes.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Other		960,000	825,000	825,000	825,000	825,000	4,260,000
Construction		600,000	600,000	1,300,000	1,300,000	1,360,000	5,160,000
<b>Project Total</b>		<b>\$1,560,000</b>	<b>\$1,425,000</b>	<b>\$2,125,000</b>	<b>\$2,125,000</b>	<b>\$2,185,000</b>	<b>\$9,420,000</b>
Wastewater System Replacement - Lines		320,910	300,000	300,000	300,000	300,000	1,520,910
Wastewater Revenues		1,160,000	1,125,000	1,825,000	1,825,000	1,885,000	7,820,000
Nonprofit Corporation Bonds - Wastewater		79,090	-	-	-	-	79,090
<b>Funding Total</b>		<b>\$1,560,000</b>	<b>\$1,425,000</b>	<b>\$2,125,000</b>	<b>\$2,125,000</b>	<b>\$2,185,000</b>	<b>\$9,420,000</b>
<b>WS90500013</b>	<b>SEWER SERVICE CONNECTIONS</b>						
	Install new sewer connections.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Other		370,000	270,000	270,000	270,000	270,000	1,450,000
<b>Project Total</b>		<b>\$370,000</b>	<b>\$270,000</b>	<b>\$270,000</b>	<b>\$270,000</b>	<b>\$270,000</b>	<b>\$1,450,000</b>
Wastewater Revenues		370,000	270,000	270,000	270,000	270,000	1,450,000
<b>Funding Total</b>		<b>\$370,000</b>	<b>\$270,000</b>	<b>\$270,000</b>	<b>\$270,000</b>	<b>\$270,000</b>	<b>\$1,450,000</b>
<b>WS90500023</b>	<b>WASTEWATER CONSTRUCTION CONTINGENCIES</b>						
	Provide contingency funds for change orders, inflationary increases and other unexpected costs.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Construction		4,381,746	3,942,633	3,992,633	3,992,633	7,200,000	23,509,645
<b>Project Total</b>		<b>\$4,381,746</b>	<b>\$3,942,633</b>	<b>\$3,992,633</b>	<b>\$3,992,633</b>	<b>\$7,200,000</b>	<b>\$23,509,645</b>
Wastewater Revenues		3,432,908	2,972,132	2,992,633	2,992,633	5,200,000	17,590,306
SROG - Other Cities Participation		948,838	970,501	1,000,000	1,000,000	2,000,000	5,919,339
<b>Funding Total</b>		<b>\$4,381,746</b>	<b>\$3,942,633</b>	<b>\$3,992,633</b>	<b>\$3,992,633</b>	<b>\$7,200,000</b>	<b>\$23,509,645</b>
<b>WS905000115</b>	<b>LINED CONCRETE REHABILITATION</b>						
	Rehabilitate Phoenix lined concrete sewers.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Other		296,000	410,000	-	-	-	706,000
Design		243,432	53,725	-	-	-	297,157
Construction		2,415,568	1,000,000	-	-	-	3,415,568
<b>Project Total</b>		<b>\$2,955,000</b>	<b>\$1,463,725</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,418,725</b>
Wastewater Revenues		2,955,000	1,463,725	-	-	-	4,418,725
<b>Funding Total</b>		<b>\$2,955,000</b>	<b>\$1,463,725</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,418,725</b>
<b>WS905000118</b>	<b>SMALL DIAMETER SEWER REHABILITATION</b>						
	Rehabilitate small diameter sewers.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Other		295,000	1,020,000	705,000	860,000	750,000	3,630,000
Design		1,500,000	-	-	850,000	-	2,350,000
Construction		3,330,000	5,180,000	6,600,000	6,840,000	8,100,000	30,050,000
<b>Project Total</b>		<b>\$5,125,000</b>	<b>\$6,200,000</b>	<b>\$7,305,000</b>	<b>\$8,550,000</b>	<b>\$8,850,000</b>	<b>\$36,030,000</b>
Wastewater Revenues		5,125,000	6,200,000	7,305,000	8,550,000	8,850,000	36,030,000
<b>Funding Total</b>		<b>\$5,125,000</b>	<b>\$6,200,000</b>	<b>\$7,305,000</b>	<b>\$8,550,000</b>	<b>\$8,850,000</b>	<b>\$36,030,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500141</b>	<b>INSTRUMENTATION AND CONTROL INSPECTIONS COLLECTION SYSTEM</b>						
	Function: Phoenix Sewers						
	Inspect instrumentation and controls for sewer collection system projects as needed.						
	Strategic Plan: Infrastructure						
	District: Citywide						
Other		65,000	65,000	60,000	65,000	50,000	305,000
Design		-	805,000	-	805,000	-	1,610,000
<b>Project Total</b>		<b>\$65,000</b>	<b>\$870,000</b>	<b>\$60,000</b>	<b>\$870,000</b>	<b>\$50,000</b>	<b>\$1,915,000</b>
Wastewater Revenues		65,000	870,000	60,000	870,000	50,000	1,915,000
<b>Funding Total</b>		<b>\$65,000</b>	<b>\$870,000</b>	<b>\$60,000</b>	<b>\$870,000</b>	<b>\$50,000</b>	<b>\$1,915,000</b>
<b>WS90500144</b>	<b>BROADWAY ROAD PARALLEL SEWER</b>						
	Function: Phoenix Sewers						
	Construct parallel sections for the Broadway Road sewer from 32nd Street to 51st Avenue.						
	Strategic Plan: Infrastructure						
	District: 7 & 8						
Other		257,000	-	-	-	-	257,000
Construction		1,000,000	-	-	-	-	1,000,000
<b>Project Total</b>		<b>\$1,257,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,257,000</b>
Wastewater Revenues		1,257,000	-	-	-	-	1,257,000
<b>Funding Total</b>		<b>\$1,257,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,257,000</b>
<b>WS90500161</b>	<b>RELIEF SEWERS CITYWIDE</b>						
	Function: Phoenix Sewers						
	Construct relief sewers citywide.						
	Strategic Plan: Infrastructure						
	District: Citywide						
Other		121,000	-	400,000	300,000	300,000	1,121,000
Construction		2,730,000	-	2,400,000	5,000,000	5,000,000	15,130,000
<b>Project Total</b>		<b>\$2,851,000</b>	<b>-</b>	<b>\$2,800,000</b>	<b>\$5,300,000</b>	<b>\$5,300,000</b>	<b>\$16,251,000</b>
Wastewater Revenues		2,471,000	-	2,800,000	5,300,000	5,300,000	15,871,000
Wastewater Development Occupational Fee		380,000	-	-	-	-	380,000
<b>Funding Total</b>		<b>\$2,851,000</b>	<b>-</b>	<b>\$2,800,000</b>	<b>\$5,300,000</b>	<b>\$5,300,000</b>	<b>\$16,251,000</b>
<b>WS90500175</b>	<b>WASTEWATER IMPACT FEE CONTINGENCY</b>						
	Function: Phoenix Sewers						
	Provide available funding for programming various impact fee areas as projects are identified.						
	Strategic Plan: Infrastructure						
	District: Citywide						
Construction		4,217,772	-	-	-	-	4,217,772
<b>Project Total</b>		<b>\$4,217,772</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,217,772</b>
Impact Fee Wastewater Laveen East		63,099	-	-	-	-	63,099
Impact Fee Wastewater Estrella South		802,664	-	-	-	-	802,664
Impact Fee Wastewater Estrella North		106,493	-	-	-	-	106,493
Impact Fee Wastewater Deer Valley 3		2,045	-	-	-	-	2,045
Impact Fee Wastewater Deer Valley 2		128,062	-	-	-	-	128,062
Impact Fee Wastewater Ahwatukee		70,376	-	-	-	-	70,376
Impact Fee - Laveen East, Wastewater		567,298	-	-	-	-	567,298
Impact Fee - Estrella South, Wastewater		1,235,148	-	-	-	-	1,235,148
Impact Fee - Estrella North, Wastewater		276,457	-	-	-	-	276,457
Impact Fee - Deer Valley IV, Wastewater		29,787	-	-	-	-	29,787
Impact Fee - Deer Valley III, Wastewater		17,886	-	-	-	-	17,886
Impact Fee - Deer Valley II, Wastewater		188,781	-	-	-	-	188,781
Impact Fee - Deer Valley I, Wastewater		48,379	-	-	-	-	48,379
Impact Fee - Ahwatukee East, Wastewater		681,297	-	-	-	-	681,297
<b>Funding Total</b>		<b>\$4,217,772</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,217,772</b>



## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500224</b>	<b>LIGHT RAIL NORTHWEST EXTENSION SEWER RELOCATION</b>						
	Design and construct sewer relocations on 19th Avenue between Bethany Home Road and Dunlap Avenue.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 1, 4 &amp; 5</b>
Other		210,000	90,000	520,000	50,000	-	870,000
Design		-	-	573,000	-	-	573,000
Construction		1,025,000	-	10,941,913	-	-	11,966,913
<b>Project Total</b>		<b>\$1,235,000</b>	<b>\$90,000</b>	<b>\$12,034,913</b>	<b>\$50,000</b>	<b>-</b>	<b>\$13,409,913</b>
Wastewater Revenues		1,235,000	90,000	12,034,913	50,000	-	13,409,913
<b>Funding Total</b>		<b>\$1,235,000</b>	<b>\$90,000</b>	<b>\$12,034,913</b>	<b>\$50,000</b>	<b>-</b>	<b>\$13,409,913</b>
<b>WS90500232</b>	<b>SEWER ANNUAL EMERGENCY REPAIR CONTRACT</b>						
	Replace and repair sewer mains and related sewer system repairs as needed.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Other		117,000	147,000	155,000	155,000	120,000	694,000
Design		360,000	-	-	265,000	-	625,000
Construction		883,000	912,000	940,000	960,000	1,024,000	4,719,000
<b>Project Total</b>		<b>\$1,360,000</b>	<b>\$1,059,000</b>	<b>\$1,095,000</b>	<b>\$1,380,000</b>	<b>\$1,144,000</b>	<b>\$6,038,000</b>
Wastewater Revenues		1,360,000	1,059,000	1,095,000	1,380,000	1,144,000	6,038,000
<b>Funding Total</b>		<b>\$1,360,000</b>	<b>\$1,059,000</b>	<b>\$1,095,000</b>	<b>\$1,380,000</b>	<b>\$1,144,000</b>	<b>\$6,038,000</b>
<b>WS90500235</b>	<b>NORTHERN WASTEWATER DESERT VIEW INFRASTRUCTURE</b>						
	Construct large growth-related wastewater infrastructure in the Desert View impact fee area.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 2</b>
Construction		10,576,523	-	-	-	-	10,576,523
<b>Project Total</b>		<b>\$10,576,523</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$10,576,523</b>
Impact Fee Wastewater Desert View		2,253,487	-	-	-	-	2,253,487
Impact Fee - Desert View, Wastewater		8,323,036	-	-	-	-	8,323,036
<b>Funding Total</b>		<b>\$10,576,523</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$10,576,523</b>
<b>WS90500236</b>	<b>NORTHERN WASTEWATER NORTH GATEWAY INFRASTRUCTURE</b>						
	Construct large growth-related wastewater infrastructure in the North Gateway impact fee area.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 1 &amp; 2</b>
Construction		4,751,244	-	-	-	-	4,751,244
<b>Project Total</b>		<b>\$4,751,244</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,751,244</b>
Impact Fee Wastewater N Gateway		2,260,859	-	-	-	-	2,260,859
Impact Fee - North Gateway, Wastewater		2,490,385	-	-	-	-	2,490,385
<b>Funding Total</b>		<b>\$4,751,244</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,751,244</b>
<b>WS90500237</b>	<b>SOUTHERN WASTEWATER LAVEEN WEST INFRASTRUCTURE</b>						
	Construct large growth-related wastewater infrastructure in the Laveen West impact fee area.						
							<b>Function: Phoenix Sewers</b>
							<b>Strategic Plan: Infrastructure</b>
							<b>District: 7</b>
Construction		9,074,588	-	-	-	-	9,074,588
<b>Project Total</b>		<b>\$9,074,588</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$9,074,588</b>
Impact Fee Wastewater Laveen West		396,659	-	-	-	-	396,659
Impact Fee - Laveen West, Wastewater		8,677,929	-	-	-	-	8,677,929
<b>Funding Total</b>		<b>\$9,074,588</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$9,074,588</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500255</b>	<b>RELIEF SEWER PROJECT MCDOWELL AND 99TH AVENUE</b>						
							<b>Function: Phoenix Sewers</b>
	Complete installation of 1,735 linear feet of 18-inch diameter sewer lines along McDowell Road on the east side of the SR 101 freeway to 99th Avenue on the west side of the freeway.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 5</b>
Other		375,000	-	-	-	-	375,000
<b>Project Total</b>		<b>\$375,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$375,000</b>
Wastewater Revenues		375,000	-	-	-	-	375,000
<b>Funding Total</b>		<b>\$375,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$375,000</b>
<b>WS90500256</b>	<b>RELIEF SEWER PROJECT 2-NORTHWEST PHOENIX</b>						
							<b>Function: Phoenix Sewers</b>
	Complete installation of 850 linear feet of 18-inch diameter sewer line along 19th Avenue at Peoria Avenue south of North Lane.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 1 &amp; 3</b>
Other		226,000	-	-	-	-	226,000
<b>Project Total</b>		<b>\$226,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$226,000</b>
Wastewater Revenues		226,000	-	-	-	-	226,000
<b>Funding Total</b>		<b>\$226,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$226,000</b>
<b>WS90500257</b>	<b>RELIEF SEWER PROJECT 3-NORTHWEST PHOENIX</b>						
							<b>Function: Phoenix Sewers</b>
	Complete installation of 3,950 linear feet of 15-inch diameter sewer line along Northern Avenue from 29th Avenue to 31st Avenue.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 5</b>
Other		388,000	-	-	-	-	388,000
Construction		1,100,000	-	-	-	-	1,100,000
<b>Project Total</b>		<b>\$1,488,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,488,000</b>
Wastewater Development Occupational Fee		1,488,000	-	-	-	-	1,488,000
<b>Funding Total</b>		<b>\$1,488,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,488,000</b>
<b>WS90500258</b>	<b>RELIEF SEWER IMPROVEMENTS - CENTRAL PHOENIX</b>						
							<b>Function: Phoenix Sewers</b>
	Complete construction of sanitary sewer improvements near 32nd Street from McDowell Road to Willetta Street and 28th Street near Van Buren Street.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 8</b>
Other		225,000	-	-	-	-	225,000
<b>Project Total</b>		<b>\$225,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$225,000</b>
Wastewater Development Occupational Fee		225,000	-	-	-	-	225,000
<b>Funding Total</b>		<b>\$225,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$225,000</b>
<b>WS90500260</b>	<b>RELIEF SEWER IMPROVEMENTS - NORTH PHOENIX</b>						
							<b>Function: Phoenix Sewers</b>
	Construct sanitary sewer improvements east of 7th Avenue to north of Dunlap Avenue, Townley Avenue between 7th Street to 2nd Way and 2nd Way between Townley Avenue to Dunlap Avenue.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 3 &amp; 5</b>
Other		378,000	-	-	-	-	378,000
<b>Project Total</b>		<b>\$378,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$378,000</b>
Wastewater Development Occupational Fee		378,000	-	-	-	-	378,000
<b>Funding Total</b>		<b>\$378,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$378,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500263</b>	<b>METERING STATION PARADISE VALLEY 02 STRUCTURAL REPAIR</b>						
							<b>Function: Phoenix Sewers</b>
	Complete remediation design, existing structure demolition and construction of replacement transition structures for the Paradise Valley 02 Metering Station.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 2</b>
Other		15,000	-	-	-	-	15,000
Design		200,000	-	-	-	-	200,000
Construction		2,000,000	-	-	-	-	2,000,000
<b>Project Total</b>		<b>\$2,215,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,215,000</b>
Wastewater Revenues		2,215,000	-	-	-	-	2,215,000
<b>Funding Total</b>		<b>\$2,215,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$2,215,000</b>
<b>WS90500265</b>	<b>39TH AVENUE INTERCEPTOR ODOR CONTROL</b>						
							<b>Function: Phoenix Sewers</b>
	Acquire land, design and construct the 39th Avenue sanitary sewer interceptor and various odor control facilities. Interceptor stretches 19 miles from Pinnacle Peak Road to Lower Buckeye Road.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 1, 4, 5 &amp; 7</b>
Other		100,000	75,000	150,000	100,000	-	425,000
Land Acquisition		500,000	-	-	-	-	500,000
Design		700,000	-	700,000	-	-	1,400,000
Construction		-	-	7,000,000	-	-	7,000,000
<b>Project Total</b>		<b>\$1,300,000</b>	<b>\$75,000</b>	<b>\$7,850,000</b>	<b>\$100,000</b>	<b>-</b>	<b>\$9,325,000</b>
Wastewater Revenues		1,300,000	75,000	7,850,000	100,000	-	9,325,000
<b>Funding Total</b>		<b>\$1,300,000</b>	<b>\$75,000</b>	<b>\$7,850,000</b>	<b>\$100,000</b>	<b>-</b>	<b>\$9,325,000</b>
<b>WS90500266</b>	<b>SUMCO PLANT SEWER REALIGNMENT</b>						
							<b>Function: Phoenix Sewers</b>
	Construct a short realignment of existing sanitary sewer south of Lift Station 51 to resolve flow issues related to discharges from the SUMCO plant into the City's sewer.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 2</b>
Construction		230,000	-	-	-	-	230,000
<b>Project Total</b>		<b>\$230,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$230,000</b>
Wastewater Revenues		230,000	-	-	-	-	230,000
<b>Funding Total</b>		<b>\$230,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$230,000</b>
<b>WS90500267</b>	<b>48TH STREET AND CACTUS ROAD 36" SEWER REPAIR</b>						
							<b>Function: Phoenix Sewers</b>
	Complete emergency repairs, replacement and rehabilitation of a 36-inch sanitary sewer from Walmart parking lot south of Cactus Road to Stone Creek Golf Course at Cholla Street and Tatum Boulevard.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 2</b>
Other		140,000	-	-	-	-	140,000
Design		25,000	-	-	-	-	25,000
<b>Project Total</b>		<b>\$165,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$165,000</b>
Wastewater Revenues		165,000	-	-	-	-	165,000
<b>Funding Total</b>		<b>\$165,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$165,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500268</b>	<b>WESTERN CANAL SEWER MAIN EXTENSION</b>						
	Purchase land, design, and construct approximately 575 linear feet of sewer main extension from 20th Street and the Western Canal east towards Manhole #407 in the 19th Street alignment.						
							<b>District: 8</b>
	Land Acquisition	70,000	-	-	-	-	70,000
	Design	40,000	-	-	-	-	40,000
	Construction	240,000	-	-	-	-	240,000
	<b>Project Total</b>	<b>\$350,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$350,000</b>
	Wastewater Revenues	350,000	-	-	-	-	350,000
	<b>Funding Total</b>	<b>\$350,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$350,000</b>
<b>WS90500269</b>	<b>BROADWAY ROAD SEWER IMPROVEMENT DISTRICT</b>						
	Construct 4,100 linear feet of 8-inch sewer main in 14 locations, parallel with the existing 42-inch Broadway Road Interceptor to serve existing properties that are currently on septic systems.						
							<b>District: 7</b>
	Other	197,000	-	-	-	-	197,000
	Design	100,000	-	-	-	-	100,000
	Construction	638,000	-	-	-	-	638,000
	<b>Project Total</b>	<b>\$935,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$935,000</b>
	Wastewater Revenues	935,000	-	-	-	-	935,000
	<b>Funding Total</b>	<b>\$935,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$935,000</b>
<b>WS90500270</b>	<b>GENERAL ENGINEERING SMALL PROJECT SUPPORT</b>						
	Provide professional engineering support services for unplanned issues and small projects that arise throughout the year.						
							<b>District: Citywide</b>
	Other	30,000	30,000	30,000	30,000	30,000	150,000
	Design	270,000	270,000	270,000	270,000	270,000	1,350,000
	<b>Project Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$1,500,000</b>
	Wastewater Revenues	300,000	300,000	300,000	300,000	300,000	1,500,000
	<b>Funding Total</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$300,000</b>	<b>\$1,500,000</b>
<b>WS90500271</b>	<b>UNLINED CONCRETE SEWER CONDITION ASSESSMENT</b>						
	Perform condition assessment of unlined concrete sanitary interceptor sewers in the City of Phoenix. The unlined concrete sewer group is 19 miles with size ranges from 24 to 90 inches in diameter.						
							<b>District: 4, 7 &amp; 8</b>
	Study	272,000	-	-	-	-	272,000
	Other	18,000	10,000	-	-	-	28,000
	<b>Project Total</b>	<b>\$290,000</b>	<b>\$10,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$300,000</b>
	Wastewater Revenues	290,000	10,000	-	-	-	300,000
	<b>Funding Total</b>	<b>\$290,000</b>	<b>\$10,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$300,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90500272</b>	<b>PVC-LINED CONCRETE SEWER CONDITION ASSESSMENT</b>						
							<b>Function: Phoenix Sewers</b>
	Perform condition assessment of PVC-lined concrete sanitary sewer interceptors in the City of Phoenix.						<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Study		4,500,000	-	-	-	-	4,500,000
Other		38,000	30,000	-	-	-	68,000
<b>Project Total</b>		<b>\$4,538,000</b>	<b>\$30,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,568,000</b>
Wastewater Revenues		4,538,000	30,000	-	-	-	4,568,000
<b>Funding Total</b>		<b>\$4,538,000</b>	<b>\$30,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$4,568,000</b>
<b>WS90500273</b>	<b>LARGE DIAMETER SEWER CONDITION ASSESSMENT</b>						
							<b>Function: Phoenix Sewers</b>
	Perform condition assessment of 15 to 42 inch large diameter sanitary interceptor sewers in the City of Phoenix.						<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Study		-	2,500,000	2,500,000	2,500,000	-	7,500,000
Other		-	58,000	55,000	55,000	-	168,000
<b>Project Total</b>		<b>-</b>	<b>\$2,558,000</b>	<b>\$2,555,000</b>	<b>\$2,555,000</b>	<b>-</b>	<b>\$7,668,000</b>
Wastewater Revenues		-	2,558,000	2,555,000	2,555,000	-	7,668,000
<b>Funding Total</b>		<b>-</b>	<b>\$2,558,000</b>	<b>\$2,555,000</b>	<b>\$2,555,000</b>	<b>-</b>	<b>\$7,668,000</b>
<b>WS90800002</b>	<b>SECURITY IMPROVEMENTS REMOTE FACILITIES</b>						
							<b>Function: Security/Fire Compliance</b>
	Complete security improvements at remote facilities.						<b>Strategic Plan: Infrastructure</b>
							<b>District: 2</b>
Other		10,000	-	-	-	-	10,000
<b>Project Total</b>		<b>\$10,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$10,000</b>
Wastewater Revenues		10,000	-	-	-	-	10,000
<b>Funding Total</b>		<b>\$10,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$10,000</b>
<b>WS90140006</b>	<b>TRES RIOS FLOOD CONTROL AND ECOSYSTEM RESTORATION</b>						
							<b>Function: Tres Rios</b>
	Complete the Tres Rios/Flood Control ecosystem.						<b>Strategic Plan: Sustainability</b>
							<b>District: 7</b>
Other		575,000	-	-	-	-	575,000
Design		1,330,800	-	-	-	-	1,330,800
<b>Project Total</b>		<b>\$1,905,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,905,800</b>
Wastewater Revenues		1,032,944	-	-	-	-	1,032,944
SROG - Other Cities Participation		872,856	-	-	-	-	872,856
<b>Funding Total</b>		<b>\$1,905,800</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,905,800</b>
<b>WS90700032</b>	<b>PROCESS CONTROL OPTIMIZATION</b>						
							<b>Function: Wastewater System Studies</b>
	Provide for consultant services to study process control optimization for the collection system.						<b>Strategic Plan: Infrastructure</b>
							<b>District: Citywide</b>
Study		685,000	-	775,000	-	-	1,460,000
Other		90,000	25,000	150,000	25,000	125,000	415,000
Design		-	-	-	-	800,000	800,000
<b>Project Total</b>		<b>\$775,000</b>	<b>\$25,000</b>	<b>\$925,000</b>	<b>\$25,000</b>	<b>\$925,000</b>	<b>\$2,675,000</b>
Wastewater Revenues		775,000	25,000	925,000	25,000	925,000	2,675,000
<b>Funding Total</b>		<b>\$775,000</b>	<b>\$25,000</b>	<b>\$925,000</b>	<b>\$25,000</b>	<b>\$925,000</b>	<b>\$2,675,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>WS90700047</b>	<b>WASTEWATER SYSTEM MASTER PLAN</b>						
	Purchase equipment for modeling study.						
							Function: Wastewater System Studies
							Strategic Plan: Infrastructure
							District: Citywide
Equipment		50,000	50,000	50,000	50,000	50,000	250,000
<b>Project Total</b>		<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$250,000</b>
Wastewater Revenues		50,000	50,000	50,000	50,000	50,000	250,000
<b>Funding Total</b>		<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$250,000</b>
<b>BCSAN20090</b>	<b>DEBT SERVICE - WASTEWATER</b>						
	Principal payment for partial commercial paper defeasance.						
							Function: Debt
							Strategic Plan: Financial Excellence
							District: Citywide
Other		25,000,000	-	-	-	-	25,000,000
<b>Project Total</b>		<b>\$25,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$25,000,000</b>
Special Wastewater Improvement		25,000,000	-	-	-	-	25,000,000
<b>Funding Total</b>		<b>\$25,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$25,000,000</b>
<b>BISAN20070</b>	<b>DEBT ISSUANCE COSTS - WASTEWATER BONDS</b>						
	Debt issuance costs for wastewater bonds.						
							Function: Debt
							Strategic Plan: Financial Excellence
							District: Citywide
Other		500,000	-	-	-	-	500,000
<b>Project Total</b>		<b>\$500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$500,000</b>
Nonprofit Corporation Bonds - Wastewater		500,000	-	-	-	-	500,000
<b>Funding Total</b>		<b>\$500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$500,000</b>
<b>AR84900006</b>	<b>BOLA TIE INSTALLATION PERCENT FOR ART</b>						
	Design and print a tour guide booklet featuring the bola tie and downtown Phoenix artwork.						
							Function: Percent for Art
							Strategic Plan: Neighborhoods and Livability
							District: 8
Other		20,000	-	15,000	-	-	35,000
<b>Project Total</b>		<b>\$20,000</b>	<b>-</b>	<b>\$15,000</b>	<b>-</b>	<b>-</b>	<b>\$35,000</b>
Nonprofit Corporation Bonds - Wastewater		20,000	-	15,000	-	-	35,000
<b>Funding Total</b>		<b>\$20,000</b>	<b>-</b>	<b>\$15,000</b>	<b>-</b>	<b>-</b>	<b>\$35,000</b>
<b>AR84900008</b>	<b>AVENIDA RIO SALADO-BROADWAY ROAD STREETScape</b>						
	Construct future streetscape enhancements in conjunction with road and sewer improvements.						
							Function: Percent for Art
							Strategic Plan: Neighborhoods and Livability
							District: 7 & 8
Construction		695,062	10,000	-	-	46,000	751,062
<b>Project Total</b>		<b>\$695,062</b>	<b>\$10,000</b>	<b>-</b>	<b>-</b>	<b>\$46,000</b>	<b>\$751,062</b>
Nonprofit Corporation Bonds - Wastewater		595,062	10,000	-	-	-	605,062
Arizona Highway User Revenues		100,000	-	-	-	-	100,000
2006 Street Improvement and Storm Sewer Bonds		-	-	-	-	46,000	46,000
<b>Funding Total</b>		<b>\$695,062</b>	<b>\$10,000</b>	<b>-</b>	<b>-</b>	<b>\$46,000</b>	<b>\$751,062</b>
<b>AR84900010</b>	<b>TRES RIOS WETLANDS</b>						
	Incorporate environmental art elements into the 1500 acre wetland at the Salt and Gila Rivers.						
							Function: Percent for Art
							Strategic Plan: Neighborhoods and Livability
							District: 7
Construction		20,000	-	-	-	-	20,000
<b>Project Total</b>		<b>\$20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$20,000</b>
Nonprofit Corporation Bonds - Wastewater		20,000	-	-	-	-	20,000
<b>Funding Total</b>		<b>\$20,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$20,000</b>

## Wastewater

<b>Project No.</b>	<b>Project Title</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>Total</b>
<b>AR84900011</b>	<b>LIFT STATION PROJECTS</b>						
	Fabricate art enhancements at several new lift stations.						
							Function: Percent for Art
							Strategic Plan: Neighborhoods and Livability
							District: Citywide
Construction		-	-	122,908	-	-	122,908
<b>Project Total</b>		-	-	<b>\$122,908</b>	-	-	<b>\$122,908</b>
Nonprofit Corporation Bonds - Wastewater		-	-	122,908	-	-	122,908
<b>Funding Total</b>		-	-	<b>\$122,908</b>	-	-	<b>\$122,908</b>
<b>AR84900012</b>	<b>ISAAC STREETScape PHASE 2</b>						
	Design and implement streetscape improvements at 32nd Avenue and McDowell Road.						
							Function: Percent for Art
							Strategic Plan: Neighborhoods and Livability
							District: 4
Construction		-	65,000	-	-	-	65,000
<b>Project Total</b>		-	<b>\$65,000</b>	-	-	-	<b>\$65,000</b>
Nonprofit Corporation Bonds - Wastewater		-	65,000	-	-	-	65,000
<b>Funding Total</b>		-	<b>\$65,000</b>	-	-	-	<b>\$65,000</b>