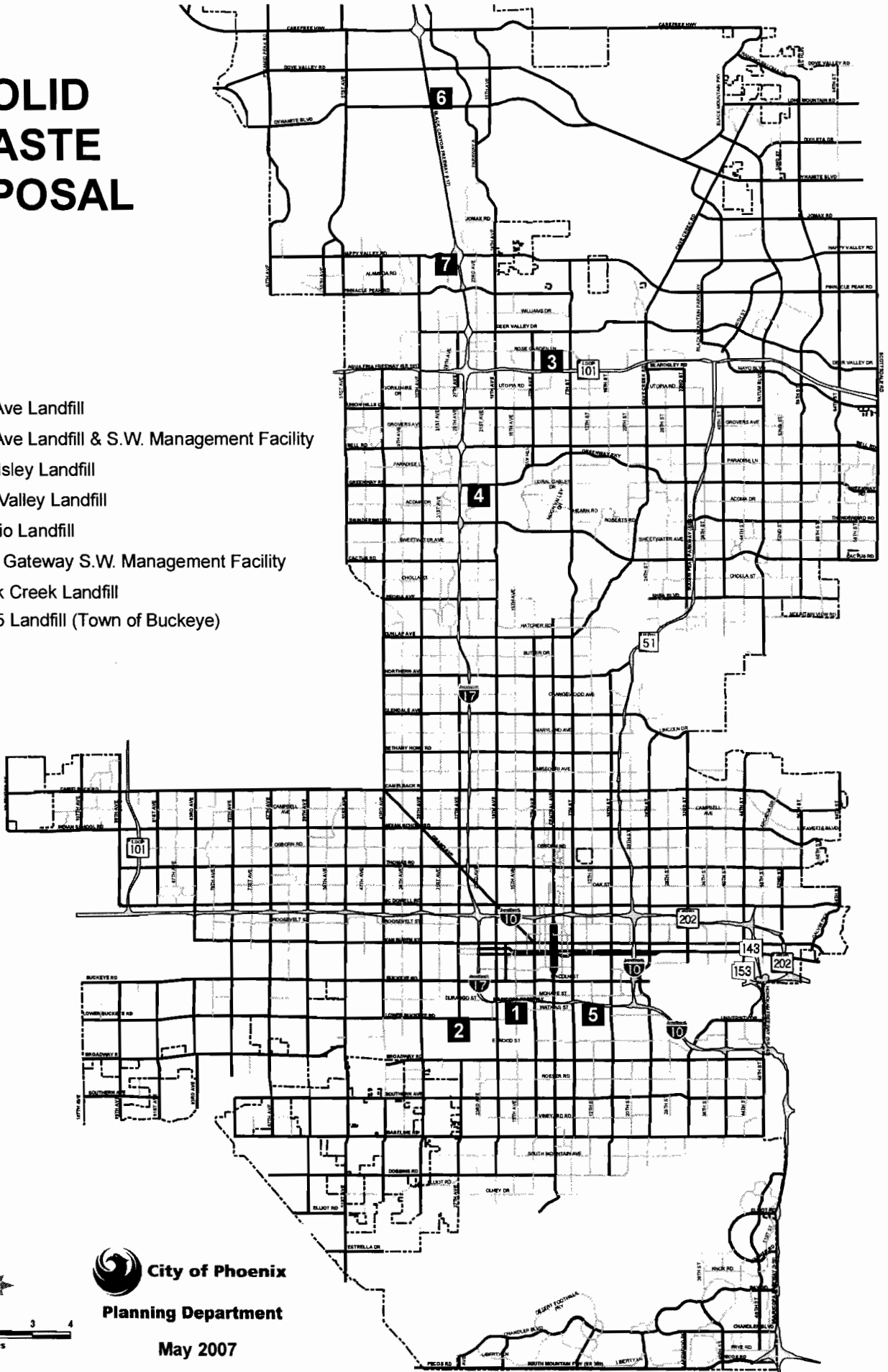


# SOLID WASTE DISPOSAL

- 1** 19th Ave Landfill
- 2** 27th Ave Landfill & S.W. Management Facility
- 3** Beardsley Landfill
- 4** Deer Valley Landfill
- 5** Del Rio Landfill
- 6** North Gateway S.W. Management Facility
- 7** Skunk Creek Landfill  
SR 85 Landfill (Town of Buckeye)



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

May 2007

## Solid Waste Disposal

The \$105.3 million Solid Waste Disposal program includes projects at the city's landfills and is funded with Solid Waste revenue, Solid Waste Remediation funds and non-profit corporation bond funds. Projects planned in the Solid Waste program include:

- Monitor and maintain methane gas extraction systems, cell lining and capping, and installing landscaping at the Skunk Creek landfill
- Maintaining soil capping and the methane gas collection system at the 19<sup>th</sup> Avenue landfill.
- Monitoring groundwater and methane gas and installing landscaping at the 27<sup>th</sup> Avenue landfill
- Cell excavation and construction of a drainage system and methane gas system for the State Route 85 landfill

**2007-2012 CAPITAL IMPROVEMENT PROGRAM**

**Solid Waste Disposal**  
Capital Improvement Program Summary

<b>Project Summary</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Total</b>
19th Avenue Landfill	\$ 3,023,408	\$ 1,217,348	\$ 1,520,168	\$ 1,155,975	\$ 1,668,213	\$ 8,585,112
27th Avenue Landfill	625,023	629,000	472,800	-	432,000	2,158,823
Deer Valley Landfill	219,853	97,500	86,680	93,600	102,000	599,633
Del Rio Landfill	522,680	-	394,000	197,080	-	1,113,760
Skunk Creek Landfill	3,701,513	937,494	1,803,800	522,000	2,430,300	9,395,107
State Route 85 Landfill	23,569,707	5,011,588	15,968,200	17,780,000	4,750,000	67,079,495
Transfer Station	2,650,000	8,697,080	-	-	-	11,347,080
Percent for Art	2,490,762	750,000	500,000	1,250,000	-	4,990,762
<b>Total</b>	<b>\$ 36,802,946</b>	<b>\$ 17,340,010</b>	<b>\$ 20,745,648</b>	<b>\$ 20,998,655</b>	<b>\$ 9,382,513</b>	<b>\$ 105,269,772</b>
<b>Source of Funds</b>						
<u>Operating Funds</u>						
Solid Waste Revenues	\$ 5,283,946	\$ 3,032,100	\$ 3,530,480	\$ 3,619,080	\$ 3,214,300	\$ 18,679,906
<u>Bond Funds</u>						
2001 Bonds	\$ 32,000	\$ -	\$ -	\$ -	\$ -	\$ 32,000
Non-Profit Corporation Bonds - Solid Waste	28,464,000	13,090,374	15,695,000	16,223,600	4,500,000	77,972,974
<b>Total Bond Funds</b>	<b>\$ 28,496,000</b>	<b>\$ 13,090,374</b>	<b>\$ 15,695,000</b>	<b>\$ 16,223,600</b>	<b>\$ 4,500,000</b>	<b>\$ 78,004,974</b>
<u>Other Financing</u>						
Solid Waste Remediation	\$ 3,023,000	\$ 1,217,536	\$ 1,520,168	\$ 1,155,975	\$ 1,668,213	\$ 8,584,892
<b>Total Sources of Funds</b>	<b>\$ 36,802,946</b>	<b>\$ 17,340,010</b>	<b>\$ 20,745,648</b>	<b>\$ 20,998,655</b>	<b>\$ 9,382,513</b>	<b>\$ 105,269,772</b>

**City of Phoenix, Arizona**  
**2007-2012 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Total</b>
<b>PW16520001</b>	<b>19TH AVE - FLOOD PROTECTION</b>	<b>Function: 19th Avenue Landfill</b>				<b>District: 8</b>	
Maintain dikes with soil cement bank protection to prevent flood erosion along the Salt River.							
Construction		404,768	421,448	438,128	455,653	473,879	2,193,876
<b>Project Total</b>		<b>\$404,768</b>	<b>\$421,448</b>	<b>\$438,128</b>	<b>\$455,653</b>	<b>\$473,879</b>	<b>\$2,193,876</b>
Solid Waste Remediation Funds		404,768	421,448	438,128	455,653	473,879	2,193,876
<b>Funding Total</b>		<b>\$404,768</b>	<b>\$421,448</b>	<b>\$438,128</b>	<b>\$455,653</b>	<b>\$473,879</b>	<b>\$2,193,876</b>
<b>PW16520002</b>	<b>19TH AVE - FINAL CAPPING</b>	<b>Function: 19th Avenue Landfill</b>				<b>District: 8</b>	
Maintain soil cap material to final 19th Ave Landfill elevations.							
Construction		422,240	439,640	457,040	475,322	494,334	2,288,576
<b>Project Total</b>		<b>\$422,240</b>	<b>\$439,640</b>	<b>\$457,040</b>	<b>\$475,322</b>	<b>\$494,334</b>	<b>\$2,288,576</b>
Solid Waste Remediation Funds		422,240	439,640	457,040	475,322	494,334	2,288,576
<b>Funding Total</b>		<b>\$422,240</b>	<b>\$439,640</b>	<b>\$457,040</b>	<b>\$475,322</b>	<b>\$494,334</b>	<b>\$2,288,576</b>
<b>PW16520003</b>	<b>19TH AVE - GROUNDWATER MONITORING</b>	<b>Function: 19th Avenue Landfill</b>				<b>District: 8</b>	
Test and maintain groundwater at the 19th Ave Landfill.							
Study		-	197,080	-	-	-	197,080
<b>Project Total</b>		<b>-</b>	<b>\$197,080</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$197,080</b>
Solid Waste Remediation Funds		-	197,080	-	-	-	197,080
<b>Funding Total</b>		<b>-</b>	<b>\$197,080</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$197,080</b>
<b>PW16520005</b>	<b>19TH AVE - GROUNDWATER REMEDIATION</b>	<b>Function: 19th Avenue Landfill</b>				<b>District: 8</b>	
Contingency for groundwater remediation at the 19th Ave Landfill.							
Construction		1,546,400	-	-	-	-	1,546,400
<b>Project Total</b>		<b>\$1,546,400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,546,400</b>
Solid Waste Remediation Funds		1,546,400	-	-	-	-	1,546,400
<b>Funding Total</b>		<b>\$1,546,400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$1,546,400</b>
<b>PW16520006</b>	<b>19TH AVE - METHANE GAS SYSTEM</b>	<b>Function: 19th Avenue Landfill</b>				<b>District: 8</b>	
Maintain the methane gas collection system at the 19th Ave Landfill.							
Construction		650,000	159,180	625,000	225,000	700,000	2,359,180
<b>Project Total</b>		<b>\$650,000</b>	<b>\$159,180</b>	<b>\$625,000</b>	<b>\$225,000</b>	<b>\$700,000</b>	<b>\$2,359,180</b>
Solid Waste Remediation Funds		650,000	159,180	625,000	225,000	700,000	2,359,180
<b>Funding Total</b>		<b>\$650,000</b>	<b>\$159,180</b>	<b>\$625,000</b>	<b>\$225,000</b>	<b>\$700,000</b>	<b>\$2,359,180</b>
<b>PW16530001</b>	<b>27TH AVE - METHANE GAS SYSTEM</b>	<b>Function: 27th Avenue Landfill</b>				<b>District: 7</b>	
Maintain the methane gas collection system at the 27th Ave Landfill.							
Construction		-	250,000	-	-	-	250,000
<b>Project Total</b>		<b>-</b>	<b>\$250,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$250,000</b>
Solid Waste Revenues		-	250,000	-	-	-	250,000
<b>Funding Total</b>		<b>-</b>	<b>\$250,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$250,000</b>

**City of Phoenix, Arizona**  
**2007-2012 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Total</b>
<b>PW16530002</b>	<b>27TH AVE - GROUNDWATER MONITORING</b>	<b>Function: 27th Avenue Landfill</b>			<b>District: 7</b>		
Test and maintain groundwater at the 27th Ave Landfill.							
Construction		-	-	472,800	-	-	472,800
<b>Project Total</b>		-	-	<b>\$472,800</b>	-	-	<b>\$472,800</b>
Solid Waste Revenues		-	-	472,800	-	-	472,800
<b>Funding Total</b>		-	-	<b>\$472,800</b>	-	-	<b>\$472,800</b>
<b>PW16530005</b>	<b>27TH AVE - LANDSCAPING</b>	<b>Function: 27th Avenue Landfill</b>			<b>District: 7</b>		
Landscape the 27th Ave Landfill and maintain the soil cap.							
Construction		625,023	379,000	-	-	432,000	1,436,023
<b>Project Total</b>		<b>\$625,023</b>	<b>\$379,000</b>	-	-	<b>\$432,000</b>	<b>\$1,436,023</b>
Solid Waste Revenues		249,500	379,000	-	-	432,000	1,060,500
Solid Waste Nonprofit Corp Bonds		375,523	-	-	-	-	375,523
<b>Funding Total</b>		<b>\$625,023</b>	<b>\$379,000</b>	-	-	<b>\$432,000</b>	<b>\$1,436,023</b>
<b>PW16550001</b>	<b>DEER VALLEY - METHANE GAS SYSTEM</b>	<b>Function: Deer Valley Landfill</b>			<b>District: 3</b>		
Maintain the methane gas control system at the Deer Valley Landfill.							
Construction		219,853	97,500	86,680	93,600	102,000	599,633
<b>Project Total</b>		<b>\$219,853</b>	<b>\$97,500</b>	<b>\$86,680</b>	<b>\$93,600</b>	<b>\$102,000</b>	<b>\$599,633</b>
Solid Waste Revenues		219,853	97,500	86,680	93,600	102,000	599,633
<b>Funding Total</b>		<b>\$219,853</b>	<b>\$97,500</b>	<b>\$86,680</b>	<b>\$93,600</b>	<b>\$102,000</b>	<b>\$599,633</b>
<b>PW16510001</b>	<b>DEL RIO - GROUNDWATER MONITORING</b>	<b>Function: Del Rio Landfill</b>			<b>District: 8</b>		
Test and maintain groundwater at Del Rio Landfill.							
Construction		173,680	-	-	197,080	-	370,760
<b>Project Total</b>		<b>\$173,680</b>	-	-	<b>\$197,080</b>	-	<b>\$370,760</b>
Solid Waste Revenues		173,680	-	-	197,080	-	370,760
<b>Funding Total</b>		<b>\$173,680</b>	-	-	<b>\$197,080</b>	-	<b>\$370,760</b>
<b>PW16510003</b>	<b>DEL RIO - FINAL GRADE</b>	<b>Function: Del Rio Landfill</b>			<b>District: 8</b>		
Purchase cover soil and fill low areas to provide proper drainage for settled Del Rio Landfill areas.							
Construction		349,000	-	394,000	-	-	743,000
<b>Project Total</b>		<b>\$349,000</b>	-	<b>\$394,000</b>	-	-	<b>\$743,000</b>
Solid Waste Revenues		349,000	-	394,000	-	-	743,000
<b>Funding Total</b>		<b>\$349,000</b>	-	<b>\$394,000</b>	-	-	<b>\$743,000</b>
<b>PW16810001</b>	<b>SR 85 LANDFILL - CELL EXCAVATION</b>	<b>Function: New Landfill</b>			<b>District:</b>		
Excavate and line cell at the SR 85 landfill.							
Construction		7,012,000	2,000,000	7,017,200	7,230,000	-	23,259,200
<b>Project Total</b>		<b>\$7,012,000</b>	<b>\$2,000,000</b>	<b>\$7,017,200</b>	<b>\$7,230,000</b>	-	<b>\$23,259,200</b>
Solid Waste Revenues		340,000	-	22,200	2,946,400	-	3,308,600
Solid Waste Nonprofit Corp Bonds		6,672,000	2,000,000	6,995,000	4,283,600	-	19,950,600
<b>Funding Total</b>		<b>\$7,012,000</b>	<b>\$2,000,000</b>	<b>\$7,017,200</b>	<b>\$7,230,000</b>	-	<b>\$23,259,200</b>

**City of Phoenix, Arizona**  
**2007-2012 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Total</b>
<b>PW16810002</b>	<b>SR 85 LANDFILL - CELL 1 CAPPING</b>						
	Line and Cap Cell 1 at the SR 85 Landfill.						
				<b>Function: New Landfill</b>			
						<b>District:</b>	
Construction		3,878,400	236,400	4,000,000	4,250,000	-	12,364,800
<b>Project Total</b>		<b>\$3,878,400</b>	<b>\$236,400</b>	<b>\$4,000,000</b>	<b>\$4,250,000</b>	-	<b>\$12,364,800</b>
Solid Waste Nonprofit Corp Bonds		3,878,400	236,400	4,000,000	4,250,000	-	12,364,800
<b>Funding Total</b>		<b>\$3,878,400</b>	<b>\$236,400</b>	<b>\$4,000,000</b>	<b>\$4,250,000</b>	-	<b>\$12,364,800</b>
<b>PW16810003</b>	<b>SR 85 LANDFILL - METHANE GAS EXTRACTION SYSTEM</b>						
	Construct methane gas extraction system for the SR 85 Landfill.						
Construction		1,333,235	275,000	4,000,000	300,000	4,500,000	10,408,235
<b>Project Total</b>		<b>\$1,333,235</b>	<b>\$275,000</b>	<b>\$4,000,000</b>	<b>\$300,000</b>	<b>\$4,500,000</b>	<b>\$10,408,235</b>
Solid Waste Revenues		500,400	275,000	-	300,000	-	1,075,400
Solid Waste Nonprofit Corp Bonds		832,835	-	4,000,000	-	4,500,000	9,332,835
<b>Funding Total</b>		<b>\$1,333,235</b>	<b>\$275,000</b>	<b>\$4,000,000</b>	<b>\$300,000</b>	<b>\$4,500,000</b>	<b>\$10,408,235</b>
<b>PW16810004</b>	<b>SR 85 LANDFILL - DRAINAGE</b>						
	Construct drainage system for SR 85 Landfill.						
Construction		8,447,344	2,500,000	-	-	-	10,947,344
<b>Project Total</b>		<b>\$8,447,344</b>	<b>\$2,500,000</b>	-	-	-	<b>\$10,947,344</b>
Solid Waste Nonprofit Corp Bonds		8,447,344	2,500,000	-	-	-	10,947,344
<b>Funding Total</b>		<b>\$8,447,344</b>	<b>\$2,500,000</b>	-	-	-	<b>\$10,947,344</b>
<b>PW16810005</b>	<b>SR 85 LANDFILL GROUNDWATER MONITORING</b>						
	Test and maintain groundwater at the State Route 85 landfill.						
Construction		250,000	-	250,000	-	250,000	750,000
<b>Project Total</b>		<b>\$250,000</b>	-	<b>\$250,000</b>	-	<b>\$250,000</b>	<b>\$750,000</b>
Solid Waste Revenues		250,000	-	250,000	-	250,000	750,000
<b>Funding Total</b>		<b>\$250,000</b>	-	<b>\$250,000</b>	-	<b>\$250,000</b>	<b>\$750,000</b>
<b>PW16810007</b>	<b>SR 85 LANDFILL - UTILITY ALIGNMENT</b>						
	Align utilities at the landfill.						
Construction		2,000,000	-	-	6,000,000	-	8,000,000
<b>Project Total</b>		<b>\$2,000,000</b>	-	-	<b>\$6,000,000</b>	-	<b>\$8,000,000</b>
Solid Waste Nonprofit Corp Bonds		2,000,000	-	-	6,000,000	-	8,000,000
<b>Funding Total</b>		<b>\$2,000,000</b>	-	-	<b>\$6,000,000</b>	-	<b>\$8,000,000</b>
<b>PW16810008</b>	<b>SR85 L/F GAS MONITORING &amp; MAINTENANCE</b>						
	Install the required Gas Monitoring System at the State Route 85 Landfill.						
Construction		650,000	-	700,000	-	-	1,350,000
<b>Project Total</b>		<b>\$650,000</b>	-	<b>\$700,000</b>	-	-	<b>\$1,350,000</b>
Solid Waste Nonprofit Corp Bonds		650,000	-	700,000	-	-	1,350,000
<b>Funding Total</b>		<b>\$650,000</b>	-	<b>\$700,000</b>	-	-	<b>\$1,350,000</b>

**City of Phoenix, Arizona**  
**2007-2012 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2007-08</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>Total</b>
<b>PW16990002</b>	<b>WESTSIDE TRANSFER STATION ANALYSIS</b>						
	Conduct fund study for the west Transfer Station.						
	Construction	750,000	-	-	-	-	750,000
	<b>Project Total</b>	<b>\$750,000</b>	-	-	-	-	<b>\$750,000</b>
	Solid Waste Nonprofit Corp Bonds	750,000	-	-	-	-	750,000
	<b>Funding Total</b>	<b>\$750,000</b>	-	-	-	-	<b>\$750,000</b>
<b>PW16990003</b>	<b>SPECIAL OPS &amp; CONTAINER FACILITY</b>						
	Construct the Special Operations and container facility.						
	Design	-	-	500,000	-	-	500,000
	Construction	750,000	750,000	-	1,000,000	-	2,500,000
	<b>Project Total</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$500,000</b>	<b>\$1,000,000</b>	-	<b>\$3,000,000</b>
	Solid Waste Revenues	-	-	500,000	-	-	500,000
	Solid Waste Nonprofit Corp Bonds	750,000	750,000	-	1,000,000	-	2,500,000
	<b>Funding Total</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$500,000</b>	<b>\$1,000,000</b>	-	<b>\$3,000,000</b>
<b>PW16990004</b>	<b>IN HOUSE LONG HAUL</b>						
	Conduct an in-house Long Haul Study to establish a transportation division for Solid Waste Disposal.						
	Construction	-	-	-	250,000	-	250,000
	<b>Project Total</b>	-	-	-	<b>\$250,000</b>	-	<b>\$250,000</b>
	Solid Waste Nonprofit Corp Bonds	-	-	-	250,000	-	250,000
	<b>Funding Total</b>	-	-	-	<b>\$250,000</b>	-	<b>\$250,000</b>
<b>PW16600001</b>	<b>SKUNK CREEK - METHANE GAS SYSTEM</b>						
	Construct a methane gas extraction system for the Skunk Creek Landfill.						
	Construction	1,522,000	-	-	-	-	1,522,000
	<b>Project Total</b>	<b>\$1,522,000</b>	-	-	-	-	<b>\$1,522,000</b>
	Solid Waste Revenues	522,000	-	-	-	-	522,000
	Solid Waste Nonprofit Corp Bonds	1,000,000	-	-	-	-	1,000,000
	<b>Funding Total</b>	<b>\$1,522,000</b>	-	-	-	-	<b>\$1,522,000</b>
<b>PW16610001</b>	<b>SKUNK CREEK - GROUNDWATER MONITORING</b>						
	Test and maintain groundwater at the Skunk Creek Landfill.						
	Construction	-	454,800	-	-	520,000	974,800
	<b>Project Total</b>	-	<b>\$454,800</b>	-	-	<b>\$520,000</b>	<b>\$974,800</b>
	Solid Waste Revenues	-	454,800	-	-	520,000	974,800
	<b>Funding Total</b>	-	<b>\$454,800</b>	-	-	<b>\$520,000</b>	<b>\$974,800</b>
<b>PW16630001</b>	<b>SKUNK CREEK - LINE AND CAP CELL 6</b>						
	Line and cap Cell 6 at the Skunk Creek Landfill.						
	Construction	-	406,894	-	440,000	-	846,894
	<b>Project Total</b>	-	<b>\$406,894</b>	-	<b>\$440,000</b>	-	<b>\$846,894</b>
	Solid Waste Nonprofit Corp Bonds	-	406,894	-	440,000	-	846,894
	<b>Funding Total</b>	-	<b>\$406,894</b>	-	<b>\$440,000</b>	-	<b>\$846,894</b>



