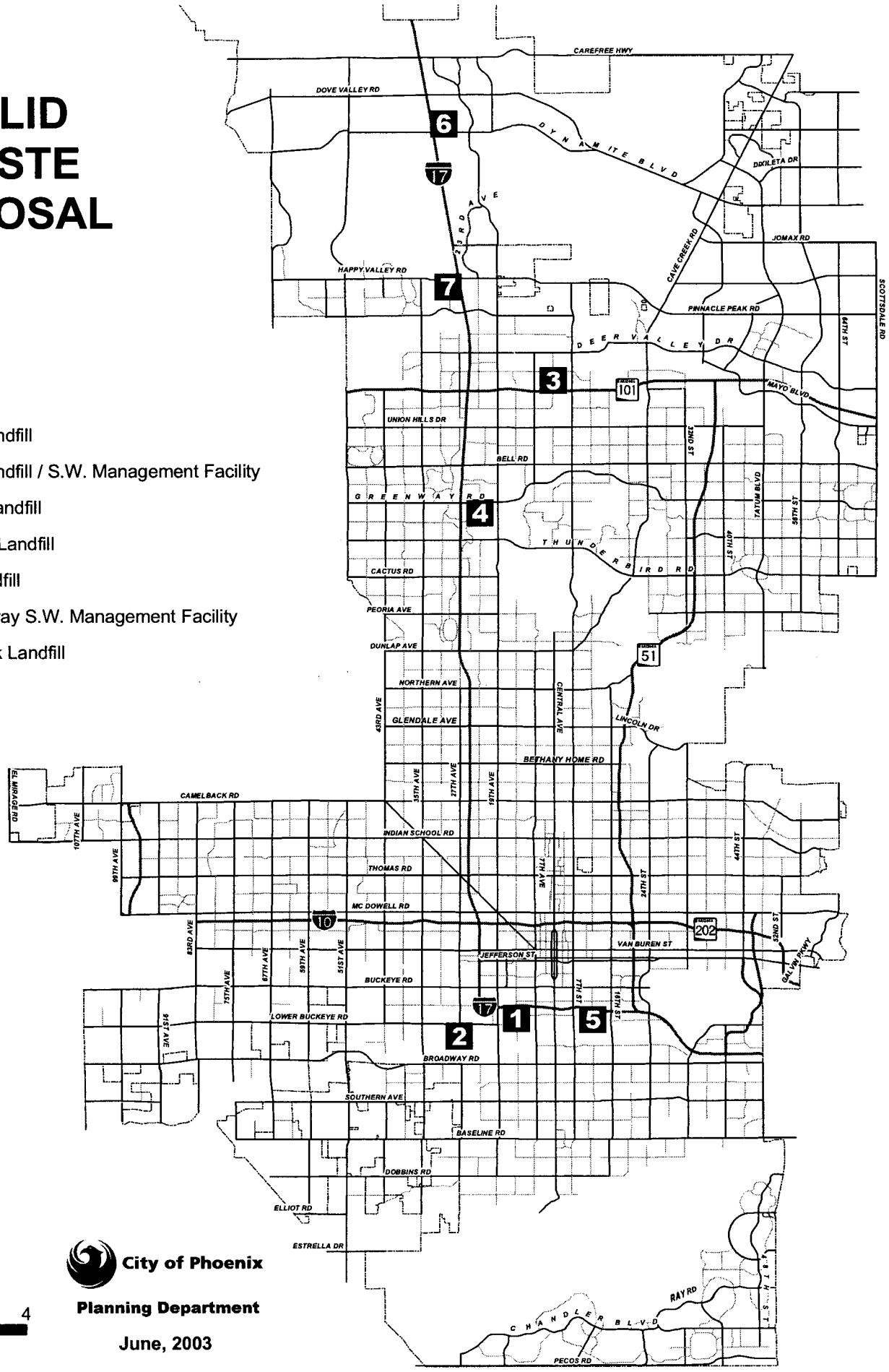
SOLID WASTE DISPOSAL



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

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City of Phoenix

Planning Department

June, 2003

Solid Waste Disposal

The $103.4 million Solid Waste Disposal program includes projects at the city's landfills and is funded with Solid Waste Disposal revenue, Solid Waste Remediation funds, bonds, and lease-purchase funds.

Projects at the Skunk Creek Landfill include methane gas extraction systems, landscaping and lining. Improvements to the 19th Avenue Landfill include landscaping, final capping, and a methane gas collection system. Projects at the 27th Avenue Landfill include transfer station hopper and floor repairs, and landscaping. In addition, the Solid Waste Disposal program includes siting and cell excavation for a new landfill, and development of the North Transfer Station.

Solid Waste Disposal

Capital Improvement Program Summary

Project Summary	2003-04	2004-05	2005-06	2006-07	2007-08	Total
19th Avenue Landfill	$ 4,210,000	$ 508,000	$ 685,368	$ 534,668	$ 557,648	$ 6,495,684
27th Avenue Landfill	996,000	250,000	-	-	-	1,246,000
Deer Valley Landfill	49,800	53,088	60,000	-	-	162,888
Del Rio Landfill	100,000	-	-	-	-	100,000
New Landfill	16,902,880	3,128,000	2,250,000	2,500,000	2,750,000	27,530,880
North Transfer Station	39,504,143	-	-	-	-	39,504,143
Skunk Creek Landfill	13,839,953	10,983,000	1,887,440	404,840	422,240	27,537,473
Percent for Art	840,000	-	-	-	-	840,000
Total	$ 76,442,776	$ 14,922,088	$ 4,882,808	$ 3,439,508	$ 3,729,888	$ 103,417,068
Source of Funds						
Operating Funds						
Solid Waste Operating	$ 3,928,582	$ 2,260,088	$ 2,250,000	$ 2,500,000	$ 2,750,000	$ 13,688,670
Bond Funds						
Non-profit Wastewater Bonds	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
Other Financing						
Lease Purchase	$ 68,015,194	$ 11,878,000	$ 1,560,000	$ -	$ -	$ 81,453,194
Solid Waste Remediation	4,474,000	784,000	1,072,808	939,508	979,888	8,250,204
Total Financing	$ 72,489,194	$ 12,662,000	$ 2,632,808	$ 939,508	$ 979,888	$ 89,703,398
Total Sources of Funds	$ 76,442,776	$ 14,922,088	$ 4,882,808	$ 3,439,508	$ 3,729,888	$ 103,417,068

Solid Waste Disposal

Project No.	*Project Title*	*2003-04*	*2004-05*	*2005-06*	*2006-07*	*2007-08*	*Total*
AR70100001	**NEW NORTH TRANSFER STATION**		**Function: Percent for Art**			**District: Citywide**	
Research and develop integration of art enhancements for the New North Transfer Station and Wastewater Treatment Facility.							
Staff Time		50,000	-	-	-	-	50,000
Construction		750,000	-	-	-	-	750,000
	Project Total	**$800,000**	**-**	**-**	**-**	**-**	**$800,000**
Solid Waste Lease Purchase (MEGA IV)		775,000	-	-	-	-	775,000
2004 CIC Water Bonds		25,000	-	-	-	-	25,000
	Funding Total	**$800,000**	**-**	**-**	**-**	**-**	**$800,000**
AR70100003	**TEMPORARY ARTWORK - 27TH AVE**		**Function: Percent for Art**			**District: 7**	
Commission temporary artworks for display at the 27th Ave Solid Waste Management Facility.							
Equipment or Other		30,000	-	-	-	-	30,000
	Project Total	**$30,000**	**-**	**-**	**-**	**-**	**$30,000**
Solid Waste Lease Purchase (MEGA IV)		30,000	-	-	-	-	30,000
	Funding Total	**$30,000**	**-**	**-**	**-**	**-**	**$30,000**
PW16700001	**PUBLIC ART MASTER PLAN**		**Function: Percent for Art**			**District: Citywide**	
Update the 1987 Public Art Master Plan to provide a vision and a framework for future public art projects.							
Construction		10,000	-	-	-	-	10,000
	Project Total	**$10,000**	**-**	**-**	**-**	**-**	**$10,000**
Solid Waste Lease Purchase (MEGA IV)		10,000	-	-	-	-	10,000
	Funding Total	**$10,000**	**-**	**-**	**-**	**-**	**$10,000**
PW16510003	**DEL RIO - FINAL GRADE**		**Function: Del Rio Landfill**			**District: Citywide**	
Purchase cover soil and fill low areas to provide proper drainage for settled landfill areas.							
Construction		100,000	-	-	-	-	100,000
	Project Total	**$100,000**	**-**	**-**	**-**	**-**	**$100,000**
Solid Waste Lease Purchase (MEGA IV)		100,000	-	-	-	-	100,000
	Funding Total	**$100,000**	**-**	**-**	**-**	**-**	**$100,000**
PW16520001	**19TH AVENUE - FLOOD PROTECTION**		**Function: 19th Avenue Landfill**			**District: Citywide**	
Maintain dikes with soil cement bank protection to prevent flood erosion along the Salt River.							
Construction		1,544,000	265,000	371,408	388,088	404,768	2,973,264
	Project Total	**$1,544,000**	**$265,000**	**$371,408**	**$388,088**	**$404,768**	**$2,973,264**
Solid Waste Remediation Funds		1,544,000	265,000	371,408	388,088	404,768	2,973,264
	Funding Total	**$1,544,000**	**$265,000**	**$371,408**	**$388,088**	**$404,768**	**$2,973,264**
PW16520002	**19TH AVENUE - FINAL CAPPING**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Maintain soil cap material to final landfill elevations.							
Construction		264,000	276,000	387,440	404,840	422,240	1,754,520
	Project Total	**$264,000**	**$276,000**	**$387,440**	**$404,840**	**$422,240**	**$1,754,520**
Solid Waste Remediation Funds		264,000	276,000	387,440	404,840	422,240	1,754,520
	Funding Total	**$264,000**	**$276,000**	**$387,440**	**$404,840**	**$422,240**	**$1,754,520**

Solid Waste Disposal

Project No.	*Project Title*	*2003-04*	*2004-05*	*2005-06*	*2006-07*	*2007-08*	*Total*
PW16520003	**19TH AVENUE - GROUNDWATER MONITORING**		**Function: 19th Avenue Landfill**			**District: Citywide**	
Maintain groundwater network.							
Construction		-	-	173,680	-	-	173,680
Project Total		**-**	**-**	**$173,680**	**-**	**-**	**$173,680**
Solid Waste Remediation Funds		-	-	173,680	-	-	173,680
Funding Total		**-**	**-**	**$173,680**	**-**	**-**	**$173,680**
PW16520004	**19TH AVENUE - ENVIRONMENTAL**		**Function: 19th Avenue Landfill**			**District: Citywide**	
Environmental cleanup at the 19th Avenue Landfill.							
Construction		463,000	83,000	-	-	-	546,000
Project Total		**$463,000**	**$83,000**	**-**	**-**	**-**	**$546,000**
Solid Waste Remediation Funds		463,000	83,000	-	-	-	546,000
Funding Total		**$463,000**	**$83,000**	**-**	**-**	**-**	**$546,000**
PW16520005	**19TH AVENUE - GROUNDWATER REMEDIATION**		**Function: 19th Avenue landfill**			**District: Citywide**	
Contingency for groundwater remediation at the 19th Avenue Landfill.							
Construction		1,000,000	-	-	-	-	1,000,000
Project Total		**$1,000,000**	**-**	**-**	**-**	**-**	**$1,000,000**
Solid Waste Remediation Funds		1,000,000	-	-	-	-	1,000,000
Funding Total		**$1,000,000**	**-**	**-**	**-**	**-**	**$1,000,000**
PW16520006	**19TH AVENUE - METHANE GAS SYSTEM**		**Function: 19th Avenue Landfill**			**District: Citywide**	
Maintain the methane gas collection system at the 19th Avenue Landfill.							
Construction		1,143,000	100,000	140,280	146,580	152,880	1,682,740
Project Total		**$1,143,000**	**$100,000**	**$140,280**	**$146,580**	**$152,880**	**$1,682,740**
Solid Waste Remediation Funds		1,143,000	100,000	140,280	146,580	152,880	1,682,740
Funding Total		**$1,143,000**	**$100,000**	**$140,280**	**$146,580**	**$152,880**	**$1,682,740**
PW16520007	**19TH AVENUE - REMEDIATION DESIGN**		**Function: 19th Avenue Landfill**			**District: Citywide**	
Design remediation projects at the 19th Avenue Landfill.							
Construction		60,000	60,000	-	-	-	120,000
Project Total		**$60,000**	**$60,000**	**-**	**-**	**-**	**$120,000**
Solid Waste Remediation Funds		60,000	60,000	-	-	-	120,000
Funding Total		**$60,000**	**$60,000**	**-**	**-**	**-**	**$120,000**
PW16530001	**27TH AVENUE - METHANE GAS SYSTEM**		**Function: 27th Avenue Landfill**			**District: Citywide**	
Maintain the methane gas collection system at the 27th Avenue Landfill.							
Construction		338,000	-	-	-	-	338,000
Project Total		**$338,000**	**-**	**-**	**-**	**-**	**$338,000**
Solid Waste Lease Purchase (MEGA IV)		338,000	-	-	-	-	338,000
Funding Total		**$338,000**	**-**	**-**	**-**	**-**	**$338,000**

Solid Waste Disposal

Project No.	*Project Title*	*2003-04*	*2004-05*	*2005-06*	*2006-07*	*2007-08*	*Total*
PW16530005	**27TH AVENUE - LANDSCAPING**		**Function: 27th Avenue Landfill**			**District: Citywide**	
Landscape the 27th Avenue Landfill.							
Construction		50,000	250,000	-	-	-	300,000
Project Total		**$50,000**	**$250,000**	**-**	**-**	**-**	**$300,000**
Solid Waste Lease Purchase (MEGA IV)		50,000	-	-	-	-	50,000
Solid Waste Disposal Operating		-	250,000	-	-	-	250,000
Funding Total		**$50,000**	**$250,000**	**-**	**-**	**-**	**$300,000**
PW16550001	**DEER VALLEY - METHANE GAS SYSTEM**		**Function: Deer Valley Landfill**			**District: Citywide**	
Maintain the methane gas control system at the Deer Valley Landfill.							
Construction		49,800	53,088	60,000	-	-	162,888
Project Total		**$49,800**	**$53,088**	**$60,000**	**-**	**-**	**$162,888**
Solid Waste Lease Purchase (MEGA IV)		-	-	60,000	-	-	60,000
Solid Waste Disposal Operating		49,800	53,088	-	-	-	102,888
Funding Total		**$49,800**	**$53,088**	**$60,000**	**-**	**-**	**$162,888**
PW16600001	**SKUNK CREEK - METHANE GAS SYSTEM**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Construct a methane gas extraction systems) for the Skunk Creek Landfill.							
Construction		4,791,298	4,482,000	-	-	-	9,273,298
Project Total		**$4,791,298**	**$4,482,000**	**-**	**-**	**-**	**$9,273,298**
Solid Waste Lease Purchase (MEGA IV)		4,520,670	4,000,000	-	-	-	8,520,670
Solid Waste Disposal Operating		270,628	482,000	-	-	-	752,628
Funding Total		**$4,791,298**	**$4,482,000**	**-**	**-**	**-**	**$9,273,298**
PW16610002	**SKUNK CREEK - CELL 4 LINING**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Final Cap for Cell 3/4 at the Skunk Creek Landfill.							
Construction		1,982,201	-	-	-	-	1,982,201
Project Total		**$1,982,201**	**-**	**-**	**-**	**-**	**$1,982,201**
Solid Waste Lease Purchase (MEGA IV)		1,982,201	-	-	-	-	1,982,201
Funding Total		**$1,982,201**	**-**	**-**	**-**	**-**	**$1,982,201**
PW16630001	**SKUNK CREEK - LINE AND CAP CELL 6**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Line and cap Cell 6 at the Skunk Creek Landfill.							
Construction		216,400	6,225,000	-	-	-	6,441,400
Project Total		**$216,400**	**$6,225,000**	**-**	**-**	**-**	**$6,441,400**
Solid Waste Lease Purchase (MEGA IV)		216,400	6,000,000	-	-	-	6,216,400
Solid Waste Disposal Operating		-	225,000	-	-	-	225,000
Funding Total		**$216,400**	**$6,225,000**	**-**	**-**	**-**	**$6,441,400**
PW16630002	**SKUNK CREEK - LINE AND CAP CELL 5**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Line and cap Cell 5 at the Skunk Creek Landfill.							
Construction		2,532,500	-	-	-	-	2,532,500
Project Total		**$2,532,500**	**-**	**-**	**-**	**-**	**$2,532,500**
Solid Waste Lease Purchase (MEGA IV)		2,532,500	-	-	-	-	2,532,500
Funding Total		**$2,532,500**	**-**	**-**	**-**	**-**	**$2,532,500**

Solid Waste Disposal

Project No.	*Project Title*	*2003-04*	*2004-05*	*2005-06*	*2006-07*	*2007-08*	*Total*
PW16640002	**SKUNK CREEK - LANDSCAPING**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Install fencing and landscaping at the Skunk Creek Landfill.							
Construction		53,400	-	-	-	-	53,400
Project Total		**$53,400**	-	-	-	-	**$53,400**
Solid Waste Lease Purchase (MEGA IV)		53,400	-	-	-	-	53,400
Funding Total		**$53,400**	-	-	-	-	**$53,400**
PW16640004	**SKUNK CREEK-GAS MONITORING & MAINTENANCE (NSPS)**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Monitor and maintain the Skunk Creek Landfill methane gas systems.							
Construction		1,500,154	-	1,500,000	-	-	3,000,154
Project Total		**$1,500,154**	-	**$1,500,000**	-	-	**$3,000,154**
Solid Waste Lease Purchase (MEGA IV)		1,000,000	-	1,500,000	-	-	2,500,000
Solid Waste Disposal Operating		500,154	-	-	-	-	500,154
Funding Total		**$1,500,154**	-	**$1,500,000**	-	-	**$3,000,154**
PW16640005	**SKUNK CREEK LANDFILL**		**Function: Skunk Creek Landfill**			**District: Citywide**	
Acquire additional fill dirt for the Skunk Creek Landfill.							
Construction		2,500,000	-	-	-	-	2,500,000
Project Total		**$2,500,000**	-	-	-	-	**$2,500,000**
Solid Waste Disposal Operating		2,500,000	-	-	-	-	2,500,000
Funding Total		**$2,500,000**	-	-	-	-	**$2,500,000**
PW16700002	**NORTH TRANSFER STATION**		**Function: North Transfer Station**			**District: Citywide**	
Design and build the new North Transfer Station and Recycling Center. Estimated full-year ongoing operating costs: $3,900,000							
Construction		39,504,143	-	-	-	-	39,504,143
Project Total		**$39,504,143**	-	-	-	-	**$39,504,143**
Solid Waste Lease Purchase (MEGA IV)		39,504,143	-	-	-	-	39,504,143
Funding Total		**$39,504,143**	-	-	-	-	**$39,504,143**
PW16700004	**27TH AVENUE - HOPPERS AND FLOOR**		**Function: 27th Avenue Landfill**			**District: Citywide**	
Repair the 27th Avenue Landfill Solid Waste Transfer Station hopper and resurface damaged portions of the floor.							
Construction		608,000	-	-	-	-	608,000
Project Total		**$608,000**	-	-	-	-	**$608,000**
Solid Waste Disposal Operating		608,000	-	-	-	-	608,000
Funding Total		**$608,000**	-	-	-	-	**$608,000**
PW16810001	**NEW LANDFILL - CELL EXCAVATION**		**Function: New Landfill**			**District: Citywide**	
New Landfill cell excavation and lining.							
Construction		6,494,480	3,128,000	2,250,000	2,500,000	2,750,000	17,122,480
Project Total		**$6,494,480**	**$3,128,000**	**$2,250,000**	**$2,500,000**	**$2,750,000**	**$17,122,480**
Solid Waste Lease Purchase (MEGA IV)		6,494,480	1,878,000	-	-	-	8,372,480
Solid Waste Disposal Operating		-	1,250,000	2,250,000	2,500,000	2,750,000	8,750,000
Funding Total		**$6,494,480**	**$3,128,000**	**$2,250,000**	**$2,500,000**	**$2,750,000**	**$17,122,480**

Solid Waste Disposal

Project No.	*Project Title*	*2003-04*	*2004-05*	*2005-06*	*2006-07*	*2007-08*	*Total*
PW17800001	**NEW LANDFILL - ACQUIRE LAND**		**Function: New Landfill**			**District: Citywide**	
Acquire and develop a site for the New Landfill.							
Construction		10,408,400	-	-	-	-	10,408,400
Project Total		**$10,408,400**	**-**	**-**	**-**	**-**	**$10,408,400**
Solid Waste Lease Purchase (MEGA IV)		10,408,400	-	-	-	-	10,408,400
Funding Total		**$10,408,400**	**-**	**-**	**-**	**-**	**$10,408,400**