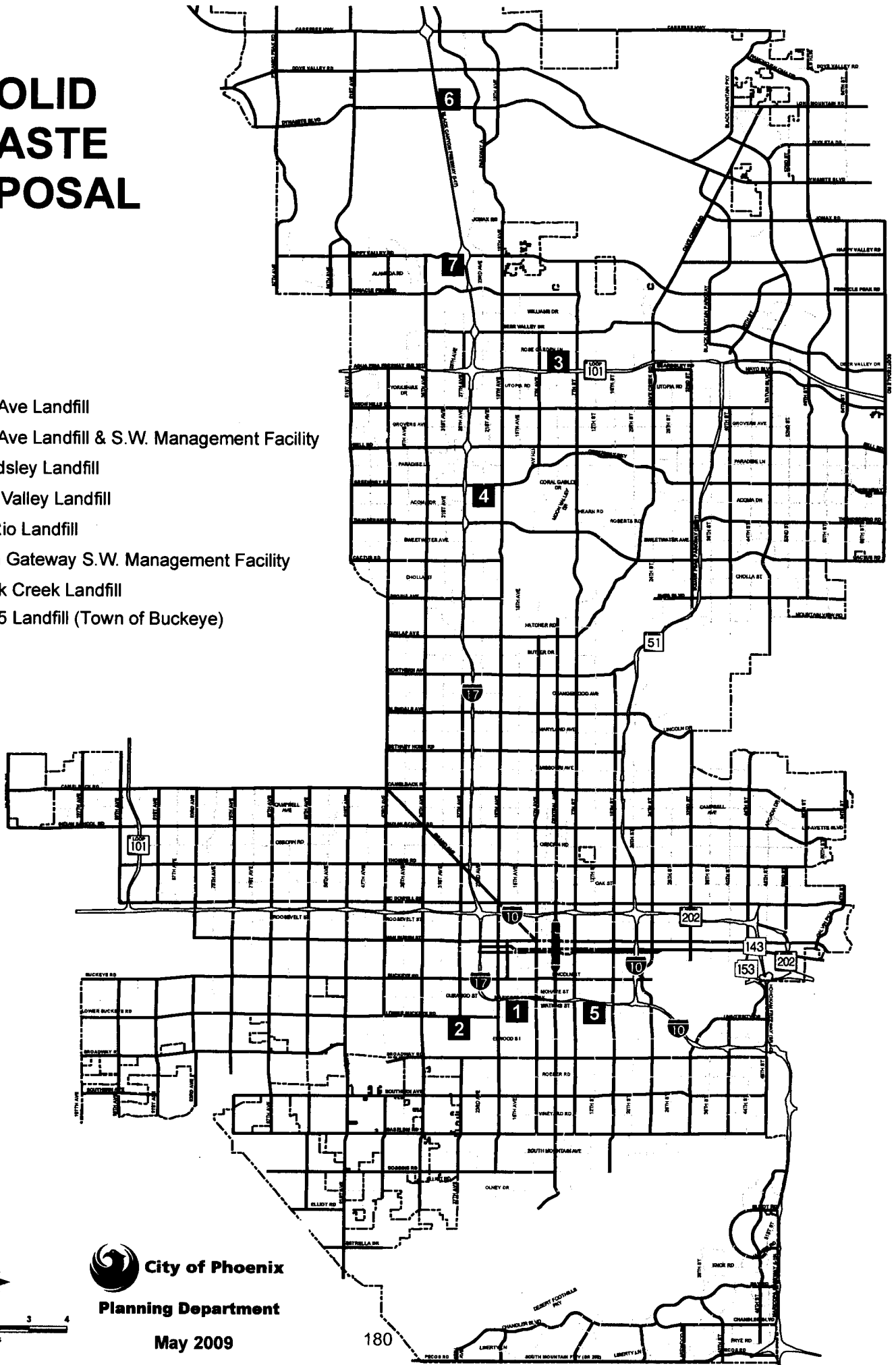


# SOLID WASTE DISPOSAL

- 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)



## **Solid Waste Disposal**

The \$238.8 million Solid Waste Disposal program includes projects at the city's open landfill, closed landfills and transfer stations, and is funded with Solid Waste revenue, Solid Waste Remediation funds, nonprofit corporation bond funds, federal grants and impact fees. Funding in 2009-10 includes grant awards through the American Recovery and Reinvestment Act (ARRA) for energy projects at the 27<sup>th</sup> Avenue and Skunk Creek landfills. Additional funding will be requested through a competitive grant process to construct a utility-scale solar project on a closed landfill. 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
- Expand and renovate 27th Avenue Transfer Station
- Monitor and maintain methane gas extraction systems and cell lining at the State Route 85 landfill
- Excavate cell and construct a drainage system for the State Route 85 landfill
- Maintain soil capping and the methane gas collection system at the 19<sup>th</sup> Avenue landfill
- Monitor groundwater and methane gas and installing landscaping at the 27<sup>th</sup> Avenue landfill

**2009-2014 CAPITAL IMPROVEMENT PROGRAM**

**Solid Waste Disposal**  
Capital Improvement Program Summary

<b>Project Summary</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>Total</b>
19th Avenue Landfill	\$ 3,175,648	\$ 700,322	\$ 1,244,334	\$ 700,108	\$ 1,284,672	\$ 7,105,084
27th Avenue Landfill	1,272,800	-	1,307,000	-	1,410,600	3,990,400
Deer Valley Landfill	86,680	93,600	102,000	130,344	119,000	531,624
Del Rio Landfill	394,000	197,080	-	-	-	591,080
Other Projects	99,610,000	1,490,000	-	-	-	101,100,000
Skunk Creek Landfill	2,911,667	2,639,133	2,780,300	475,900	-	8,807,000
State Route 85 Landfill	10,847,344	29,902,365	29,500,000	14,055,000	12,830,000	97,134,709
Transfer Station	17,397,080	-	-	1,200,000	-	18,597,080
Debt Issuance Costs	200,000	-	-	-	-	200,000
Percent for Art	435,900	340,171	-	-	-	776,071
<b>Total</b>	<b>\$ 136,331,119</b>	<b>\$ 35,362,671</b>	<b>\$ 34,933,634</b>	<b>\$ 16,561,352</b>	<b>\$ 15,644,272</b>	<b>\$ 238,833,048</b>
<b>Source of Funds</b>						
<u>Operating Funds</u>						
Solid Waste Revenues	\$ 4,777,800	\$ 2,444,080	\$ 2,389,300	\$ 3,012,544	\$ 3,369,000	\$ 15,992,724
Operating Grants	94,000,000	-	-	-	-	94,000,000
<b>Total Operating Funds</b>	<b>\$ 98,777,800</b>	<b>\$ 2,444,080</b>	<b>\$ 2,389,300</b>	<b>\$ 3,012,544</b>	<b>\$ 3,369,000</b>	<b>\$ 109,992,724</b>
<u>Bond Funds</u>						
2001 Bonds	\$ 22,000	\$ -	\$ -	\$ -	\$ -	\$ 22,000
Nonprofit Corporation Bonds - Solid Waste	33,445,671	30,728,269	31,300,000	12,848,700	10,990,600	119,313,240
<b>Total Bond Funds</b>	<b>\$ 33,467,671</b>	<b>\$ 30,728,269</b>	<b>\$ 31,300,000</b>	<b>\$ 12,848,700</b>	<b>\$ 10,990,600</b>	<b>\$ 119,335,240</b>
<u>Other Financing</u>						
Solid Waste Remediation	\$ 3,175,648	\$ 700,322	\$ 1,244,334	\$ 700,108	\$ 1,284,672	\$ 7,105,084
Impact Fees	910,000	1,490,000	-	-	-	2,400,000
<b>Total Sources of Funds</b>	<b>\$ 4,085,648</b>	<b>\$ 2,190,322</b>	<b>\$ 1,244,334</b>	<b>\$ 700,108</b>	<b>\$ 1,284,672</b>	<b>\$ 9,505,084</b>
<b>Total Sources of Funds</b>	<b>\$ 136,331,119</b>	<b>\$ 35,362,671</b>	<b>\$ 34,933,634</b>	<b>\$ 16,561,352</b>	<b>\$ 15,644,272</b>	<b>\$ 238,833,048</b>

**City of Phoenix, Arizona**  
**2009-2014 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>Total</b>
<b>PW16510001</b>	<b>DEL RIO - GROUNDWATER MONITORING</b>						
	Test and maintain groundwater at Del Rio Landfill.						
	Construction	-	197,080	-	-	-	197,080
	<b>Project Total</b>	-	<b>\$197,080</b>	-	-	-	<b>\$197,080</b>
	Solid Waste Revenues	-	197,080	-	-	-	197,080
	<b>Funding Total</b>	-	<b>\$197,080</b>	-	-	-	<b>\$197,080</b>
<b>PW16510003</b>	<b>DEL RIO - FINAL GRADE &amp; FLARE</b>						
	Maintain flares, cover soil and fill low areas to provide proper drainage for settled Del Rio Landfill areas.						
	Construction	394,000	-	-	-	-	394,000
	<b>Project Total</b>	<b>\$394,000</b>	-	-	-	-	<b>\$394,000</b>
	Solid Waste Revenues	394,000	-	-	-	-	394,000
	<b>Funding Total</b>	<b>\$394,000</b>	-	-	-	-	<b>\$394,000</b>
<b>PW16520001</b>	<b>19TH AVE - FLOOD PROTECTION</b>						
	Maintain dikes with soil cement bank protection to prevent flood erosion along the Salt River.						
	Construction	338,128	-	-	-	-	338,128
	<b>Project Total</b>	<b>\$338,128</b>	-	-	-	-	<b>\$338,128</b>
	Solid Waste Remediation Funds	338,128	-	-	-	-	338,128
	<b>Funding Total</b>	<b>\$338,128</b>	-	-	-	-	<b>\$338,128</b>
<b>PW16520002</b>	<b>19TH AVE - FINAL CAPPING</b>						
	Maintain soil cap material for the 19th Avenue Landfill.						
	Construction	457,040	475,322	494,334	514,108	534,672	2,475,476
	<b>Project Total</b>	<b>\$457,040</b>	<b>\$475,322</b>	<b>\$494,334</b>	<b>\$514,108</b>	<b>\$534,672</b>	<b>\$2,475,476</b>
	Solid Waste Remediation Funds	457,040	475,322	494,334	514,108	534,672	2,475,476
	<b>Funding Total</b>	<b>\$457,040</b>	<b>\$475,322</b>	<b>\$494,334</b>	<b>\$514,108</b>	<b>\$534,672</b>	<b>\$2,475,476</b>
<b>PW16520005</b>	<b>19TH AVE - GROUNDWATER REMEDIATION</b>						
	Contingency for groundwater remediation at the 19th Avenue Landfill.						
	Construction	1,546,300	-	-	-	-	1,546,300
	<b>Project Total</b>	<b>\$1,546,300</b>	-	-	-	-	<b>\$1,546,300</b>
	Solid Waste Remediation Funds	1,546,300	-	-	-	-	1,546,300
	<b>Funding Total</b>	<b>\$1,546,300</b>	-	-	-	-	<b>\$1,546,300</b>
<b>PW16520006</b>	<b>19TH AVE - METHANE GAS SYSTEM</b>						
	Maintain the methane gas collection system at the 19th Avenue Landfill.						
	Construction	834,180	225,000	750,000	186,000	750,000	2,745,180
	<b>Project Total</b>	<b>\$834,180</b>	<b>\$225,000</b>	<b>\$750,000</b>	<b>\$186,000</b>	<b>\$750,000</b>	<b>\$2,745,180</b>
	Solid Waste Remediation Funds	834,180	225,000	750,000	186,000	750,000	2,745,180
	<b>Funding Total</b>	<b>\$834,180</b>	<b>\$225,000</b>	<b>\$750,000</b>	<b>\$186,000</b>	<b>\$750,000</b>	<b>\$2,745,180</b>





**City of Phoenix, Arizona**  
**2009-2014 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>Total</b>
<b>PW16810002</b>	<b>SR 85 LANDFILL - CELL 1 CAPPING</b> Cap Cell 1 at the State Route 85 Landfill.						
				<b>Function: SR 85 Landfill</b>		<b>District: Citywide</b>	
Construction		-	5,000,000	4,750,000	-	4,580,000	14,330,000
<b>Project Total</b>		-	<b>\$5,000,000</b>	<b>\$4,750,000</b>	-	<b>\$4,580,000</b>	<b>\$14,330,000</b>
Nonprofit Corp Bonds - Solid Waste		-	5,000,000	4,750,000	-	4,580,000	14,330,000
<b>Funding Total</b>		-	<b>\$5,000,000</b>	<b>\$4,750,000</b>	-	<b>\$4,580,000</b>	<b>\$14,330,000</b>
<b>PW16810003</b>	<b>SR 85 LANDFILL - METHANE GAS EXTRACTION SYSTEM</b> Construct methane gas extraction system for the State Route 85 Landfill.						
				<b>Function: SR 85 Landfill</b>		<b>District: Citywide</b>	
Construction		3,000,000	3,275,000	4,500,000	-	5,000,000	15,775,000
<b>Project Total</b>		<b>\$3,000,000</b>	<b>\$3,275,000</b>	<b>\$4,500,000</b>	-	<b>\$5,000,000</b>	<b>\$15,775,000</b>
Solid Waste Revenues		-	575,000	-	-	-	575,000
Nonprofit Corp Bonds - Solid Waste		3,000,000	2,700,000	4,500,000	-	5,000,000	15,200,000
<b>Funding Total</b>		<b>\$3,000,000</b>	<b>\$3,275,000</b>	<b>\$4,500,000</b>	-	<b>\$5,000,000</b>	<b>\$15,775,000</b>
<b>PW16810004</b>	<b>SR 85 LANDFILL - DRAINAGE</b> Construct drainage system for State Route 85 Landfill.						
				<b>Function: SR 85 Landfill</b>		<b>District: Citywide</b>	
Construction		4,647,344	9,500,000	14,000,000	-	-	28,147,344
<b>Project Total</b>		<b>\$4,647,344</b>	<b>\$9,500,000</b>	<b>\$14,000,000</b>	-	-	<b>\$28,147,344</b>
Nonprofit Corp Bonds - Solid Waste		4,647,344	9,500,000	14,000,000	-	-	28,147,344
<b>Funding Total</b>		<b>\$4,647,344</b>	<b>\$9,500,000</b>	<b>\$14,000,000</b>	-	-	<b>\$28,147,344</b>
<b>PW16810005</b>	<b>SR 85 LANDFILL - GROUNDWATER MONITORING</b> Test and maintain groundwater at the State Route 85 landfill.						
				<b>Function: SR 85 Landfill</b>		<b>District: Citywide</b>	
Construction		350,000	-	250,000	-	250,000	850,000
<b>Project Total</b>		<b>\$350,000</b>	-	<b>\$250,000</b>	-	<b>\$250,000</b>	<b>\$850,000</b>
Solid Waste Revenues		350,000	-	250,000	-	250,000	850,000
<b>Funding Total</b>		<b>\$350,000</b>	-	<b>\$250,000</b>	-	<b>\$250,000</b>	<b>\$850,000</b>
<b>PW16810006</b>	<b>SR 85 - CELL 2 EXCAVATION &amp; LINING</b> Excavate and line Cell 2 at the State Route 85 landfill.						
				<b>Function: SR 85 Landfill</b>		<b>District: Citywide</b>	
Construction		-	-	-	-	3,000,000	3,000,000
<b>Project Total</b>		-	-	-	-	<b>\$3,000,000</b>	<b>\$3,000,000</b>
Solid Waste Revenues		-	-	-	-	3,000,000	3,000,000
<b>Funding Total</b>		-	-	-	-	<b>\$3,000,000</b>	<b>\$3,000,000</b>
<b>PW16810007</b>	<b>SR 85 - LANDFILL UTILITY ALIGNMENT</b> Relocate utilities at the State Route 85 landfill.						
				<b>Function: SR 85 Landfill</b>		<b>District: Citywide</b>	
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>
Nonprofit Corp Bonds - Solid Waste		-	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>



**City of Phoenix, Arizona**  
**2009-2014 Capital Improvement Program**  
**Solid Waste Disposal**

<b>Project No.</b>	<b>Project Title</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>Total</b>
<b>AR7000003</b>	<b>NORTH TRANSFER STATION PERCENT FOR ART</b>						
	Function: Percent for Art						
	District: 2						
	Commission photographers to produce images about recycling for the gallery and display areas at the North Transfer Station.						
Construction		190,000	-	-	-	-	190,000
<b>Project Total</b>		<b>\$190,000</b>	-	-	-	-	<b>\$190,000</b>
Nonprofit Corp Bonds - Solid Waste		168,000	-	-	-	-	168,000
2001 Environmental Protection & Pollution Clean-up Bonds		22,000	-	-	-	-	22,000
<b>Funding Total</b>		<b>\$190,000</b>	-	-	-	-	<b>\$190,000</b>
<b>AR7010003</b>	<b>PUBLIC WORKS TEMPORARY PROJECTS</b>						
	Function: Percent for Art						
	District: 7						
	Commission temporary outdoor sculptures using recycled materials.						
Equipment		195,900	-	-	-	-	195,900
<b>Project Total</b>		<b>\$195,900</b>	-	-	-	-	<b>\$195,900</b>
Nonprofit Corp Bonds - Solid Waste		195,900	-	-	-	-	195,900
<b>Funding Total</b>		<b>\$195,900</b>	-	-	-	-	<b>\$195,900</b>
<b>AR7010004</b>	<b>SOLID WASTE PERCENT FOR ART</b>						
	Function: Percent for Art						
	District: Citywide						
	Commission artists to create images that deal with the issues of recycling.						
Construction		-	90,171	-	-	-	90,171
<b>Project Total</b>		-	<b>\$90,171</b>	-	-	-	<b>\$90,171</b>
Nonprofit Corp Bonds - Solid Waste		-	90,171	-	-	-	90,171
<b>Funding Total</b>		-	<b>\$90,171</b>	-	-	-	<b>\$90,171</b>
<b>AR7010007</b>	<b>SKUNK CREEK RECREATION AREA PERCENT FOR ART</b>						
	Function: Percent for Art						
	District: 1						
	Provide an opportunity for artist participation in the design of recreational elements and artwork at the Skunk Creek Landfill.						
Construction		50,000	250,000	-	-	-	300,000
<b>Project Total</b>		<b>\$50,000</b>	<b>\$250,000</b>	-	-	-	<b>\$300,000</b>
Nonprofit Corp Bonds - Solid Waste		50,000	250,000	-	-	-	300,000
<b>Funding Total</b>		<b>\$50,000</b>	<b>\$250,000</b>	-	-	-	<b>\$300,000</b>