



## Solid Waste Department Cash Flow Chart \$60.50 For 2017

Fiscal Year	2015	2016	2017	2018	2019	2020	2021	2022
<b>Tipping Fee</b>	55.00	57.75	60.50	66.00	68.00	69.00	70.50	71.75
<b>Tons</b>	<b>69,019</b>	<b>68,242</b>						
			Increase	Increase	Increase	Increase	Increase	Increase
<b>Operations and Maintenance</b>		Projected	\$2.75	\$5.50	\$2.00	\$1.00	\$1.50	\$1.25
Operating Revenue	3,706,949	3,938,595	4,094,520	4,469,851	4,606,335	4,674,577	4,776,940	4,862,243
Miscellaneous Revenue	20,295	15,300	15,300	15,300	15,300	15,300	15,300	15,300
<b>Revenue from Operations</b>	<b>3,727,243</b>	<b>3,953,895</b>	<b>4,109,820</b>	<b>4,485,151</b>	<b>4,621,635</b>	<b>4,689,877</b>	<b>4,792,240</b>	<b>4,877,543</b>
General Fund In From .5% Sales Tax	280,943	285,157	267,826	271,843	275,921	280,060	284,261	288,525
<b>Total Revenue</b>	<b>4,008,186</b>	<b>4,239,052</b>	<b>4,377,646</b>	<b>4,756,994</b>	<b>4,897,556</b>	<b>4,969,937</b>	<b>5,076,501</b>	<b>5,166,067</b>
Payroll	1,591,905	1,544,932	1,611,936	1,636,115	1,660,657	1,685,567	1,710,850	1,736,513
Operations & Maintenance	478,998	491,570	511,570	519,244	527,032	534,938	542,962	551,106
Heavy Fleet Operations & Maintenance	1,249,970	1,172,745	1,217,005	1,235,260	1,253,789	1,270,088	1,289,140	1,303,965
Heavy Fleet Equipment Replacement	325,008	325,000	325,000	329,875	334,823	339,845	344,943	350,117
Transfer Station Replacement	0	0	0	50,000	50,000	50,000	50,000	50,000
County Overhead	165,717	203,159	203,159	206,206	209,299	212,439	215,626	218,860
Transfer Out to WRL Landfill Closure	193,937	196,846	196,846	199,799	202,796	205,838	208,925	212,059
Transfer Out to ERL Landfill Closure	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Transfer Out to Landfill Development	400,000	400,000	400,000	560,000	640,000	650,000	700,000	720,000
<b>Total Expense</b>	<b>4,415,535</b>	<b>4,344,252</b>	<b>4,475,516</b>	<b>4,746,499</b>	<b>4,888,396</b>	<b>4,958,714</b>	<b>5,072,445</b>	<b>5,152,620</b>
<b>Profit/Loss O&amp;M</b>	<b>(407,349)</b>	<b>(105,200)</b>	<b>(97,870)</b>	<b>10,496</b>	<b>9,160</b>	<b>11,223</b>	<b>4,056</b>	<b>13,447</b>
<b>Per Ton Loss</b>	<b>(\$5.90)</b>	<b>(\$1.54)</b>	<b>(\$1.43)</b>	<b>\$0.15</b>	<b>\$0.13</b>	<b>\$0.16</b>	<b>\$0.06</b>	<b>\$0.20</b>
<b>Recycling Revenue Subsidy</b>	<b>46,394</b>	<b>0</b>						
<b>Net Profit/Loss Total Department</b>	<b>(360,955)</b>	<b>(105,200)</b>	<b>(97,870)</b>	<b>10,496</b>	<b>9,160</b>	<b>11,223</b>	<b>4,056</b>	<b>13,447</b>
<b>Net Per Ton Profit/Loss</b>	<b>(\$5.23)</b>	<b>(\$1.54)</b>	<b>(\$1.43)</b>	<b>0.15</b>	<b>0.13</b>	<b>0.16</b>	<b>0.06</b>	<b>0.20</b>
<b>Cash Carry Forward</b>	<b>-2,336,814</b>	<b>-2,442,014</b>	<b>-2,539,884</b>	<b>-2,529,388</b>	<b>-2,520,228</b>	<b>-2,509,006</b>	<b>-2,504,950</b>	<b>-2,491,503</b>
<b>Recycling</b>								
<b>Tons</b>	3,622	3,650	3,705	3,760	3,817	3,874	3,932	3,991
Material Sales Revenue	259,497	204,759	223,469	227,354	230,764	234,226	237,739	241,305
<b>Total Revenue</b>	<b>259,497</b>	<b>204,759</b>	<b>223,469</b>	<b>227,354</b>	<b>230,764</b>	<b>234,226</b>	<b>237,739</b>	<b>241,305</b>
Payroll	122,051	142,759	165,969	168,459	170,985	173,550	176,153	178,796
Temporary Labor	2,649	0	0	0	0	0	0	0
Inmate Labor	34,985	35,000	35,000	36,058	36,599	37,148	37,705	38,271
Operations & Maintenance	53,418	27,000	22,500	22,838	23,180	23,528	23,881	24,239
Equipment Lease	0	0	0	0	0	0	0	0
<b>Total Expenses</b>	<b>213,103</b>	<b>204,759</b>	<b>223,469</b>	<b>227,354</b>	<b>230,764</b>	<b>234,226</b>	<b>237,739</b>	<b>241,306</b>
<b>Net Profit/Loss Recycling</b>	<b>46,394</b>	<b>0</b>						
Subsidize O/M Loss	-46,394	0	0	0	0	0	0	0
<b>Ending Balance</b>	<b>0</b>							
<b>WRL Development Fund</b>								
Beginning Balance	286,089	686,689	1,091,513	-653,663	-88,767	556,203	1,211,248	1,916,368
Transfer In From SW O&M Fund	400,000	400,000	400,000	560,000	640,000	650,000	700,000	720,000
Interest Revenue	600	4,824	4,824	4,896	4,970	5,044	5,120	5,197
Miscellaneous Expenses	0	0	0	0	0	0	0	0
New Cell Construction	0	0	-2,150,000	0	0	0	0	0
<b>Ending Balance</b>	<b>686,689</b>	<b>1,091,513</b>	<b>-653,663</b>	<b>-88,767</b>	<b>556,203</b>	<b>1,211,248</b>	<b>1,916,368</b>	<b>2,641,564</b>
<b>WRL Closure Fund</b>								
Beginning Balance	1,051,662	1,154,202	1,363,774	1,578,346	1,785,987	1,996,742	2,210,658	2,422,784
Transfer In From SW O&M Fund	203,937	206,846	206,846	199,799	202,796	205,838	208,925	212,059
Interest Revenue	6,858	7,726	7,726	7,842	7,960	8,079	8,200	8,323
Miscellaneous Expenses	-108,255	-5,000	-5,000	-5,000	-5,000	-5,000	-5,000	-5,000
<b>Ending Balance</b>	<b>1,154,202</b>	<b>1,363,774</b>	<b>1,578,346</b>	<b>1,785,987</b>	<b>1,996,742</b>	<b>2,210,658</b>	<b>2,422,784</b>	<b>2,638,166</b>
<b>Heavy Fleet Equipment Replacement</b>								
Beginning Balance	901,738	811,746	731,622	1,056,622	1,374,759	1,694,582	1,134,427	1,479,370
Transfer In From SW O&M Fund	325,008	325,000	325,000	329,875	334,823	339,845	344,943	350,117
Equipment Expenditures	-415,000	-405,124	0	-11,738	-15,000	-900,000	0	0
<b>Ending Balance</b>	<b>811,746</b>	<b>731,622</b>	<b>1,056,622</b>	<b>1,374,759</b>	<b>1,694,582</b>	<b>1,134,427</b>	<b>1,479,370</b>	<b>1,829,487</b>
<b>Transfer Station Replacement Fund</b>								
Beginning Balance	0	0	0	0	50,000	100,000	150,000	200,000
Transfer In From SW O&M Fund	0	0	0	50,000	50,000	50,000	50,000	50,000
Equipment Expenditures	0	0	0	0	0	0	0	0
<b>Ending Balance</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>150,000</b>	<b>200,000</b>	<b>250,000</b>

## Cash Flow Chart Assumptions

- 1 Tonnages expected to remain flat at current level of 66,434
- 2 Yearly Increase of 1.5%
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- 4 Maintenance savings of \$37,256 in 2016 and beyond due to going open top at Sierra Vista Transfer Station  
This is the amount we currently spend for SVTS walking floor system maintenance each year.  
Yearly Increase of 1.5%
- 5 Increase \$125,000 in 2016 and beyond to fund the replacement of the new D-6 Dozer (\$44,467),  
the new Crane at the SVTS by going open top (\$12,700) and adding the D-8 Dozer (\$67,763)
- 6 Start adding \$133,332 (\$33,333 for each of the four transfer stations) yearly to either re-build current  
walking floor systems or use funds to convert each of these to open top systems.  
Long term costs savings realized by going to open top system.
- 7 Finance SVTS to open top. Payment of \$105,00 in 2016 and beyond is based on a loan amount of \$823,000 @  
5% interest for 5 years.
- 8 Contribution of \$196,846 is based off recommendation from County Finance Director after review of multiple  
engineering reports.  
Yearly Inflation Increase of 1.5%
- 9 Contribution of \$10,000 yearly is the recommendation by County Finance Director after review of reports.
- 10 Recycling prices for for all commodities have decreased substantially in the last 4 months.  
Industry reports indicate that this will continue into 2016-17.
- 11 Yearly Increase of 1.5%
- 12 Start construction of Cell 4 in fall of 2017. Plan is to build 1/2 of the cell at an approximate cost of \$1,350,00  
Complete other 1/2 cell in 2020 at an approximate cost of \$1,350,000