

Appendix E

OPTION 1: Existing Landfill

Scenario 2: Base Case + Prison

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Tons of Waste	0	1,383	1,406	2,987	2,991	3,015	3,040	3,065	3,091	3,117	3,144	3,171	3,199	3,227	3,256	3,285	3,315	3,345	3,376	3,408	3,440	
Capital Costs, Existing Landfill																						
Landfill Improvements		\$704,564																				
Equipment		\$341,000																				
Total Capital Costs, Existing Landfill		\$1,045,564																				
Annualized Capital Costs, Exist. Landfill																						
Landfill Improvements		\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	\$105,001	
Equipment		\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	
Total Capital Costs, Existing Landfill		\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	
Capital Costs, New Landfill																						
Landfill		\$89,572																				
Building		\$300,000																				
Equipment		\$240,000																				
Total Capital Costs, New Landfill		\$629,572																				
Annualized Capital Costs, New Landfill																						
Landfill																						
Building																						
Equipment																						
Total Capital Costs, New Landfill																						
Total Capital Costs		\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	\$150,250	
Yearly Operating Costs																						
Equipment		\$23,984	\$24,704	\$30,879	\$31,806	\$32,760	\$33,743	\$34,755	\$35,788	\$36,822	\$37,876	\$38,917	\$40,291	\$41,489	\$42,744	\$44,027	\$45,347	\$46,705	\$48,109	\$49,552	\$51,039	
Employees		\$37,440	\$38,663	\$49,204	\$49,650	\$51,140	\$52,674	\$54,254	\$55,882	\$57,558	\$59,285	\$61,063	\$62,895	\$64,782	\$66,726	\$68,727	\$70,789	\$72,913	\$75,100	\$77,353	\$79,674	
Utilities		\$5,000	\$3,090	\$3,183	\$3,278	\$3,377	\$3,478	\$3,580	\$3,680	\$3,777	\$3,871	\$4,032	\$4,153	\$4,277	\$4,406	\$4,538	\$4,674	\$4,814	\$4,959	\$5,107	\$5,261	
Subtotal Yearly Operating Costs		\$86,424	\$86,357	\$85,266	\$84,734	\$87,276	\$89,884	\$92,891	\$95,369	\$98,230	\$101,171	\$104,212	\$107,339	\$110,559	\$113,876	\$117,292	\$120,811	\$124,435	\$128,166	\$132,013	\$135,973	
Landfill Operator Profit @ 15%		\$9,664	\$9,854	\$12,340	\$12,710	\$13,091	\$13,484	\$13,889	\$14,305	\$14,735	\$15,177	\$15,632	\$16,101	\$16,584	\$17,081	\$17,594	\$18,122	\$18,665	\$19,225	\$19,802	\$20,396	
Total Yearly Operating Costs		\$74,088	\$76,310	\$94,606	\$97,444	\$100,368	\$103,379	\$106,480	\$109,674	\$112,965	\$116,353	\$119,844	\$123,439	\$127,143	\$130,967	\$134,986	\$139,032	\$143,100	\$147,393	\$151,815	\$156,369	
Total Yearly Costs		\$224,337	\$226,560	\$244,856	\$247,694	\$250,617	\$253,628	\$256,730	\$259,924	\$263,214	\$266,603	\$271,050	\$273,700	\$276,560	\$279,527	\$282,603	\$285,789	\$289,086	\$292,495	\$295,916	\$299,449	
Disposal Cost per Ton		\$162,25	\$161,18	\$82,54	\$82,83	\$83,13	\$83,44	\$83,76	\$84,10	\$84,45	\$84,81	\$85,17	\$85,54	\$85,91	\$86,28	\$86,65	\$87,02	\$87,39	\$87,76	\$88,13	\$88,50	
Collection Cost per Ton		\$80,00	\$82,40	\$84,87	\$87,42	\$89,04	\$92,74	\$95,52	\$98,39	\$101,34	\$104,38	\$107,51	\$110,74	\$114,06	\$117,48	\$121,01	\$124,64	\$128,38	\$132,23	\$136,19	\$140,28	
Total Cost for Collection and Disposal per Ton		\$242,25	\$243,58	\$167,41	\$170,24	\$173,17	\$176,18	\$179,29	\$182,49	\$185,79	\$189,19	\$192,64	\$196,15	\$199,72	\$203,36	\$207,07	\$210,84	\$214,67	\$218,56	\$222,50	\$226,49	

Inflation rate used: _____ 3%

Initial Capital Costs are in year 2001 dollars. Future Capital Costs have been inflated at _____ 3% per year.

Yearly Operating Costs are in year 2001 dollars. Future Operating Costs have been inflated at _____ 3% per year.

Bond rate used: _____ 8%

Yearly Equipment and Employee costs increase _____ 25% in 2004 to account for increase in volume of waste due to the Prison.

option1_anakLF cost an. con2

OPTION 1: Existing Landfill

Scenario 3: Base Case + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Number																						
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	1,429	1,453	3,134	3,158	3,184	3,209	3,236	3,262	3,289	3,317	3,345	3,374	3,404	3,433	3,464	3,495	3,527	3,559	
Capital Costs, Existing Landfill																						
Landfill Improvements																						
Equipment	\$341,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs, Existing Landfill	\$1,045,564	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs, Existing Landfill																						
Landfill Improvements		\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$98,693	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment		\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Costs, Existing Landfill	\$1,045,564	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Capital Costs, New Landfill																						
Landfill																						
Building																						
Equipment																						
Total Capital Costs, New Landfill	\$629,572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs, New Landfill																						
Landfill																						
Building																						
Equipment																						
Total Capital Costs, New Landfill	\$240,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs, New Landfill	\$629,572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,675,126	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$143,942	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yearly Operating Costs																						
Equipment		\$23,984	\$24,704	\$25,445	\$26,208	\$26,995	\$27,814	\$28,667	\$29,554	\$30,476	\$31,432	\$32,422	\$33,447	\$34,507	\$35,602	\$36,734	\$37,902	\$39,108	\$40,354	\$41,641	\$42,970	\$44,342
Utilities		\$37,440	\$38,663	\$39,920	\$41,212	\$42,540	\$43,904	\$45,304	\$46,742	\$48,218	\$49,732	\$51,284	\$52,875	\$54,505	\$56,174	\$57,883	\$59,632	\$61,421	\$63,251	\$65,121	\$67,032	\$68,984
Subtotal Yearly Operating Costs	\$3,000	\$3,080	\$3,163	\$3,251	\$3,344	\$3,441	\$3,543	\$3,650	\$3,762	\$3,879	\$4,000	\$4,127	\$4,259	\$4,396	\$4,538	\$4,685	\$4,837	\$4,994	\$5,156	\$5,324	\$5,497	\$5,675
Landfill Operator Profit @ 15%	\$9,684	\$9,964	\$10,252	\$10,550	\$10,860	\$11,182	\$11,517	\$11,864	\$12,224	\$12,596	\$12,981	\$13,380	\$13,793	\$14,221	\$14,664	\$15,123	\$15,597	\$16,086	\$16,591	\$17,112	\$17,649	\$18,203
Total Yearly Operating Costs	\$14,088	\$17,010	\$17,600	\$18,204	\$18,824	\$19,457	\$20,104	\$20,766	\$21,444	\$22,138	\$22,858	\$23,595	\$24,350	\$25,122	\$25,912	\$26,720	\$27,547	\$28,394	\$29,261	\$30,149	\$31,058	\$31,989
Total Yearly Costs	\$218,029	\$220,252	\$222,541	\$224,899	\$227,320	\$230,422	\$233,597	\$236,946	\$240,470	\$244,171	\$247,950	\$251,808	\$255,746	\$259,764	\$263,863	\$268,043	\$272,304	\$276,646	\$281,069	\$285,574	\$290,162	\$294,834
Disposal Cost per Ton	\$157.69	\$158.69	\$159.72	\$160.78	\$161.87	\$162.97	\$164.10	\$165.26	\$166.44	\$167.64	\$168.87	\$170.13	\$171.42	\$172.73	\$174.07	\$175.44	\$176.83	\$178.25	\$179.70	\$181.17	\$182.67	\$184.20
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28	\$144.49	\$148.83
Total Cost for Collection and Disposal per Ton	\$237.69	\$239.09	\$244.65	\$248.20	\$252.01	\$255.78	\$259.91	\$264.50	\$269.56	\$275.09	\$281.09	\$287.58	\$294.58	\$302.09	\$309.11	\$316.65	\$324.72	\$333.32	\$341.54	\$350.38	\$359.77	\$369.73

Inflation rate used: 3%
 Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.
 Yearly Operating Costs are in year 2001 dollars; Future Operating Costs have been inflated at 3% per year.
 Bond rate used: 8%
 Yearly Equipment and Employee costs increase 25% in 2006 to account for increase in volume of waste due to the NMDS.

option1_ewslf cost an exist landfill cost an exist

OPTION 1: Existing Landfill

Scenario 4: Base Case + Prison + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022		
Tons of Waste	0	1,383	1,406	2,987	2,991	4,871	4,886	4,721	4,747	4,773	4,800	4,827	4,855	4,883	4,912	4,941	4,971	5,002	5,033	5,064	5,096	5,129		
Capital Costs, Existing Landfill																								
Landfill Improvements		\$704,564																						
Equipment		\$341,000																						
Total Capital Costs, Exist. Landfill		\$1,045,564																						
Annualized Capital Costs, Exist. Landfill																								
Landfill Improvements		\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605	\$122,605		
Equipment		\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249		
Total Capital Costs, Existing Landfill		\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854	\$167,854		
Capital Costs, New Landfill																								
Landfill																								
Building		\$89,572																						
Equipment		\$300,000																						
Total Capital Costs, New Landfill		\$389,572																						
Annualized Capital Costs, New Landfill																								
Landfill																								
Building		\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249	\$45,249		
Equipment		\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000	\$341,000		
Total Capital Costs, New Landfill		\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249	\$386,249		
Annualized Capital Costs, New Landfill																								
Landfill		\$23,984	\$30,879	\$31,806	\$39,757	\$40,950	\$42,178	\$43,444	\$44,747	\$46,090	\$47,472	\$48,886	\$50,333	\$51,814	\$53,430	\$55,084	\$56,864	\$58,688	\$60,557	\$62,472	\$64,434	\$66,444		
Equipment		\$37,440	\$38,663	\$49,650	\$62,053	\$65,925	\$65,842	\$67,818	\$69,852	\$71,946	\$74,106	\$76,329	\$78,619	\$80,978	\$83,407	\$85,909	\$88,488	\$91,141	\$93,875	\$96,692	\$99,592	\$102,478		
Utilities		\$3,000	\$3,000	\$3,183	\$3,278	\$3,377	\$3,478	\$3,580	\$3,684	\$3,791	\$3,901	\$4,014	\$4,130	\$4,249	\$4,371	\$4,496	\$4,624	\$4,755	\$4,888	\$5,024	\$5,163	\$5,304		
Subtotal Yearly Operating Costs		\$64,424	\$69,546	\$74,749	\$84,734	\$89,852	\$91,600	\$94,840	\$98,584	\$102,837	\$107,523	\$112,657	\$118,252	\$124,418	\$131,174	\$138,545	\$146,564	\$155,277	\$164,720	\$174,942	\$185,911	\$197,691		
Landfill Operator Profit @ 15%		\$9,684	\$9,954	\$12,340	\$15,779	\$16,253	\$16,740	\$17,243	\$17,764	\$18,304	\$18,864	\$19,444	\$20,044	\$20,664	\$21,304	\$21,964	\$22,644	\$23,344	\$24,064	\$24,804	\$25,564	\$26,344	\$27,144	
Total Yearly Operating Costs		\$74,108	\$79,500	\$87,089	\$100,513	\$106,105	\$108,340	\$112,084	\$116,348	\$121,141	\$126,387	\$132,101	\$138,296	\$144,982	\$152,178	\$159,909	\$168,208	\$177,081	\$186,584	\$196,726	\$207,535	\$219,035		
Total Yearly Costs		\$241,941	\$244,164	\$262,460	\$288,829	\$292,459	\$296,197	\$300,047	\$304,007	\$308,174	\$312,557	\$317,157	\$321,984	\$327,038	\$332,320	\$337,829	\$343,566	\$349,532	\$355,728	\$362,155	\$368,813	\$375,703	\$382,826	
Disposal Cost per Ton		\$174,98	\$173,70	\$188,47	\$222,46	\$222,28	\$222,74	\$223,21	\$223,68	\$224,15	\$224,63	\$225,11	\$225,59	\$226,07	\$226,55	\$227,03	\$227,51	\$228,00	\$228,48	\$228,96	\$229,44	\$229,92	\$230,41	
Collection Cost per Ton		\$80,00	\$82,40	\$84,87	\$87,42	\$89,04	\$90,74	\$92,52	\$94,39	\$96,34	\$98,37	\$100,48	\$102,65	\$104,89	\$107,20	\$109,58	\$112,04	\$114,57	\$117,17	\$119,84	\$122,57	\$125,36	\$128,20	
Total Cost for Collection and Disposal per Ton		\$254,98	\$256,10	\$273,34	\$310,34	\$311,32	\$313,48	\$315,63	\$317,84	\$320,11	\$322,54	\$325,03	\$327,58	\$330,19	\$332,86	\$335,59	\$338,38	\$341,23	\$344,14	\$347,11	\$350,15	\$353,26	\$356,43	\$359,67

Inflation rate used: 3%
 Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.
 Yearly Operating Costs have been inflated at 3% per year.
 Bond rate used: 8%
 Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the prison and 25% in 2006 to account for increase in volume of waste due to the NMDS.

OPTION 2: New Landfill

Scenario 1: Base Case

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021		
Tons of Waste	0	1,383	1,406	1,429	1,453	1,477	1,502	1,527	1,553	1,579	1,606	1,633	1,661	1,689	1,718	1,747	1,777	1,808	1,839	1,870	1,903		
Capital Costs																							
Landfill	\$906,148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$1,293,630	0	0	0	0	0	
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Close Existing Landfill	\$93,613	0	0	0	0	0	0	0	0	0	0	0	\$682,227	0	0	0	0	0	0	0	0	0	
Total Capital Costs	\$1,844,011																						
Annualized Capital Costs																							
Landfill	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	
Close Existing Landfill	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	
Total Capital Costs	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	\$215,959	
Yearly Operating Costs																							
Equipment	\$23,984	\$24,704	\$25,445	\$26,208	\$26,994	\$27,804	\$28,638	\$29,497	\$30,382	\$31,294	\$32,232	\$33,199	\$34,195	\$35,221	\$36,278	\$37,366	\$38,487	\$39,642	\$40,831	\$42,056	\$43,317	\$44,614	
Employees	\$37,440	\$38,563	\$39,720	\$40,912	\$42,139	\$43,403	\$44,705	\$46,048	\$47,428	\$48,851	\$50,316	\$51,826	\$53,380	\$54,982	\$56,631	\$58,330	\$60,080	\$61,883	\$63,739	\$65,651	\$67,619	\$69,643	
Utilities	\$3,000	\$3,090	\$3,183	\$3,278	\$3,377	\$3,478	\$3,582	\$3,690	\$3,800	\$3,914	\$4,032	\$4,153	\$4,277	\$4,406	\$4,539	\$4,674	\$4,814	\$4,959	\$5,107	\$5,258	\$5,413	\$5,572	
Subtotal Yearly Operating Costs	\$64,424	\$66,357	\$68,347	\$70,398	\$72,510	\$74,685	\$76,926	\$79,233	\$81,610	\$84,059	\$86,580	\$89,178	\$91,853	\$94,609	\$97,447	\$100,370	\$103,282	\$106,283	\$109,374	\$112,556	\$115,829	\$121,968	
Landfill Operator Profit @ 15%	\$9,684	\$9,954	\$10,252	\$10,580	\$10,938	\$11,327	\$11,748	\$12,202	\$12,691	\$13,216	\$13,778	\$14,378	\$15,016	\$15,694	\$16,413	\$17,174	\$17,978	\$18,826	\$19,719	\$20,658	\$21,643	\$22,676	\$23,758
Total Yearly Operating Costs	\$74,108	\$76,310	\$78,600	\$80,978	\$83,448	\$85,988	\$88,604	\$91,291	\$94,061	\$96,925	\$99,883	\$102,931	\$106,079	\$109,327	\$112,681	\$116,141	\$120,719	\$125,417	\$130,236	\$135,176	\$140,246	\$145,456	
Total Yearly Costs	\$290,047	\$292,270	\$294,558	\$296,917	\$299,346	\$301,847	\$304,424	\$307,078	\$309,811	\$312,627	\$315,516	\$318,480	\$321,519	\$324,633	\$327,821	\$331,084	\$334,422	\$337,835	\$341,324	\$344,898	\$348,557	\$352,301	\$356,130
Disposal Cost per Ton	\$209.77	\$207.92	\$206.11	\$204.35	\$202.63	\$200.95	\$199.31	\$197.72	\$196.17	\$194.66	\$193.17	\$191.72	\$190.31	\$188.94	\$187.61	\$186.31	\$185.04	\$183.81	\$182.61	\$181.44	\$180.30	\$179.19	\$178.11
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$139.27	\$142.48	\$145.82	
Total Cost for Collection and Disposal per Ton	\$289.77	\$290.32	\$291.00	\$291.77	\$292.67	\$293.69	\$294.84	\$296.11	\$297.51	\$299.04	\$300.69	\$302.46	\$304.35	\$306.36	\$308.49	\$310.74	\$313.11	\$315.60	\$318.21	\$320.93	\$323.76	\$326.70	\$329.75

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated at 3% per year.

Bond rate used: 8%

OPTION 2: New Landfill

Scenario 2: Base Case + Prison

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	20	
Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2021	
Tons of Waste	0	1,383	1,406	2,967	2,981	3,015	3,040	3,065	3,091	3,117	3,144	3,171	3,199	3,227	3,256	3,285	3,315	3,345	3,376	3,408	3,440	3,440	
Capital Costs																							
Landfill	\$806,148	0	0	0	0	0	0	0	0	\$1,051,840	0	0	0	0	0	0	0	\$1,255,952	0	0	0	0	0
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	0	\$682,227	0	0	0	0	0	0	0	0	0	0
Close Existing Landfill	\$89,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,844,011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs																							
Landfill	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$183,036	\$183,036	\$183,036	\$183,036	\$183,036	\$183,036	\$183,036	\$183,036	\$183,036	\$241,234	\$241,234	\$241,234	\$241,234
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
Close Existing Landfill	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Costs	\$253,931	\$253,931	\$253,931	\$253,931	\$253,931	\$253,931	\$253,931	\$253,931	\$253,931	\$253,931	\$307,919	\$293,968	\$293,968	\$293,968	\$293,968	\$293,968	\$293,968	\$293,968	\$293,968	\$293,968	\$379,199	\$379,199	\$379,199
Yearly Operating Costs																							
Equipment	\$23,984	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704	\$24,704
Utilities	\$37,440	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563	\$38,563
Subtotal Yearly Operating Costs	\$61,424	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267	\$63,267
Landfill Operator Profit @ 15%	\$9,664	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954	\$9,954
Total Yearly Operating Costs	\$71,088	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221	\$73,221
Total Yearly Costs	\$328,019	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241	\$330,241
Disposal Cost per Ton	\$237.24	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94	\$234.94
Collection Cost per Ton	\$80.00	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40	\$82.40
Total Cost for Collection and Disposal per Ton	\$317.24	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34	\$317.34

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated at 3% per year.

Bond rate used: 8%

Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the Prison.

OPTION 2: New Landfill

Scenario 3: Base Case + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE BASED ON MORE IN-DEPTH ANALYSES.

Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	1,429	1,453	3,134	3,158	3,184	3,209	3,236	3,262	3,289	3,317	3,345	3,374	3,404	3,433	3,464	3,495	3,527	3,559	
Capital Costs																						
Landfill	\$806,148	0	0	0	0	0	0	0	0	0	\$1,063,395	0	0	0	0	0	0	\$1,332,439	0	0	0	0
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Close Existing Landfill	\$93,613	0	0	0	0	0	0	0	0	0	0	\$682,227	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,844,011																					
Annualized Capital Costs																						
Landfill	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090	\$208,090
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
Close Existing Landfill	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Costs	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$231,072	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023	\$319,023
Yearly Operating Costs																						
Equipment	\$23,984	\$24,704	\$25,445	\$26,208	\$32,760	\$33,743	\$34,755	\$35,798	\$36,872	\$37,978	\$39,117	\$40,291	\$41,499	\$42,744	\$44,027	\$45,347	\$46,708	\$48,109	\$49,552	\$51,039	\$52,562	\$54,125
Employees	\$37,440	\$38,563	\$39,720	\$40,912	\$51,140	\$52,674	\$54,254	\$55,882	\$57,558	\$59,285	\$61,063	\$62,895	\$64,782	\$66,726	\$68,727	\$70,789	\$72,913	\$75,100	\$77,353	\$79,674	\$82,079	\$84,568
Utilities	\$3,000	\$3,090	\$3,183	\$3,278	\$3,377	\$3,478	\$3,582	\$3,690	\$3,800	\$3,914	\$4,032	\$4,153	\$4,277	\$4,406	\$4,538	\$4,674	\$4,814	\$4,959	\$5,107	\$5,261	\$5,420	\$5,584
Subtotal Yearly Operating Costs	\$64,424	\$66,357	\$68,347	\$70,398	\$97,276	\$99,894	\$102,632	\$105,500	\$108,520	\$111,700	\$115,050	\$118,572	\$122,254	\$126,090	\$129,982	\$133,930	\$137,934	\$142,000	\$146,128	\$150,317	\$154,567	\$158,878
Landfill Operator Profit @ 15%	\$9,664	\$9,954	\$10,252	\$10,560	\$13,091	\$13,494	\$13,898	\$14,305	\$14,715	\$15,127	\$15,542	\$15,960	\$16,381	\$16,806	\$17,235	\$17,668	\$18,104	\$18,544	\$18,988	\$19,436	\$19,888	\$20,344
Total Yearly Operating Costs	\$74,088	\$76,311	\$78,600	\$80,958	\$110,367	\$113,388	\$116,530	\$119,805	\$123,235	\$126,827	\$130,492	\$134,232	\$138,044	\$141,926	\$145,881	\$149,900	\$153,984	\$158,132	\$162,344	\$166,620	\$170,969	\$175,392
Total Yearly Costs	\$305,160	\$307,382	\$309,672	\$312,030	\$331,440	\$334,451	\$337,552	\$340,746	\$344,037	\$347,425	\$350,907	\$354,484	\$358,156	\$361,924	\$365,787	\$369,745	\$373,798	\$377,946	\$382,189	\$386,527	\$390,960	\$395,488
Cost per Ton	\$220.70	\$218.67	\$216.68	\$214.75	\$106.77	\$105.90	\$106.03	\$106.18	\$106.33	\$106.50	\$106.68	\$106.87	\$107.07	\$107.28	\$107.49	\$107.71	\$107.94	\$108.18	\$108.42	\$108.67	\$108.92	\$109.18
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$120.99	\$124.60	\$128.31	\$132.12	\$136.03	\$139.94	\$143.95	\$148.06
Total Cost for Collection and Disposal per Ton	\$300.70	\$301.07	\$301.56	\$302.17	\$195.81	\$198.64	\$201.55	\$204.56	\$207.67	\$210.88	\$214.12	\$217.42	\$220.75	\$224.12	\$227.51	\$230.91	\$234.32	\$237.73	\$241.14	\$244.55	\$247.96	\$251.37

Inflation rate used: 3%
 Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.
 Yearly Operating Costs have been inflated at 3% per year.
 Bond rate used: 6%
 Yearly Equipment and Employee costs increase 25% in 2006 to account for increase in volume of waste due to the NMDS.

OPTION 2: New Landfill

Scenario 4: Base Case + Prison + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE BASED ON MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	20	
Tons of Waste	0	1,383	1,406	2,987	2,981	4,671	4,686	4,721	4,747	4,773	4,800	4,855	4,883	4,912	4,941	4,971	5,002	5,033	5,064	5,096			
Capital Costs																							
Landfill	\$806,148	0	0	0	0	0	0	991,460	0	0	0	\$1,149,374	0	0	0	0	0	\$1,332,439	0	0	0	0	0
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	\$682,227	0	0	0	0	0	0	0	0	0	0	0
Close Existing Landfill	\$93,613	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,844,011																						
Annualized Capital Costs																							
Landfill	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$248,318	\$248,318	\$248,318	\$248,318	\$287,868	\$287,868	\$287,868	\$287,868	\$287,868	\$287,868	\$333,718	\$333,718	\$333,718	\$333,718	\$333,718
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
Close Existing Landfill	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951	\$13,951
Total Capital Costs	\$279,722	\$279,722	\$279,722	\$279,722	\$279,722	\$279,722	\$279,722	\$279,722	\$373,201	\$373,201	\$373,201	\$373,201	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834	\$425,834
Yearly Operating Costs																							
Equipment	\$23,984	\$24,704	\$24,704	\$30,879	\$31,806	\$39,757	\$40,950	\$42,178	\$43,444	\$44,747	\$46,090	\$48,896	\$50,363	\$51,874	\$53,430	\$55,033	\$56,684	\$58,385	\$60,136	\$61,940	\$63,797	\$65,692	\$67,628
Employees	\$37,440	\$38,563	\$38,563	\$48,204	\$49,650	\$62,063	\$63,925	\$65,842	\$67,818	\$69,852	\$71,948	\$76,329	\$78,619	\$80,978	\$83,407	\$85,909	\$88,486	\$91,141	\$93,875	\$96,692	\$99,598	\$102,598	\$105,682
Utilities	\$3,000	\$3,090	\$3,183	\$3,278	\$3,377	\$3,478	\$3,582	\$3,690	\$3,802	\$3,914	\$4,032	\$4,153	\$4,277	\$4,406	\$4,538	\$4,674	\$4,814	\$4,959	\$5,107	\$5,261	\$5,421	\$5,586	\$5,756
Subtotal Yearly Operating Costs	\$64,424	\$66,357	\$66,357	\$82,286	\$84,734	\$105,196	\$108,352	\$111,603	\$114,951	\$118,399	\$121,951	\$129,378	\$133,260	\$137,267	\$141,375	\$145,616	\$149,985	\$154,484	\$159,119	\$163,893	\$168,808	\$173,868	\$179,076
Landfill Operator Profit @ 15%	\$9,684	\$9,954	\$9,954	\$12,340	\$12,710	\$15,779	\$16,253	\$16,740	\$17,243	\$17,760	\$18,293	\$19,407	\$19,989	\$20,589	\$21,206	\$21,842	\$22,498	\$23,173	\$23,868	\$24,584	\$25,321	\$26,080	\$26,862
Total Yearly Operating Costs	\$74,108	\$76,311	\$76,311	\$94,626	\$97,444	\$120,975	\$124,605	\$128,343	\$132,194	\$136,159	\$140,244	\$148,785	\$153,249	\$157,846	\$162,581	\$167,459	\$172,483	\$177,657	\$182,987	\$188,476	\$194,027	\$199,740	\$205,618
Total Yearly Costs	\$353,810	\$356,032	\$374,328	\$377,166	\$400,689	\$404,327	\$408,685	\$413,394	\$418,360	\$423,560	\$429,001	\$450,066	\$457,092	\$464,433	\$472,101	\$480,115	\$488,474	\$497,177	\$506,224	\$515,623	\$525,374	\$535,488	\$545,966
Disposal Cost per Ton	\$255.89	\$255.28	\$265.28	\$126.18	\$128.12	\$85.78	\$86.10	\$86.43	\$86.78	\$87.12	\$87.45	\$90.65	\$91.86	\$93.07	\$94.28	\$95.49	\$96.70	\$97.91	\$99.12	\$100.33	\$101.54	\$102.75	\$103.96
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28	\$144.48	\$148.82	\$153.31
Total Cost for Collection and Disposal per Ton	\$335.89	\$335.68	\$336.65	\$211.05	\$213.54	\$175.82	\$178.84	\$181.96	\$184.86	\$188.06	\$191.86	\$211.39	\$223.65	\$236.31	\$249.09	\$262.99	\$277.06	\$291.42	\$306.11	\$321.23	\$336.97	\$353.37	\$370.43

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated at 3% per year.

Bond rate used: 8%

Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the prison and 25% in 2006 to account for increase in volume of waste due to the NMDS.

OPTION 3: New Landfill and C&D

Scenario 1: Base Case

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	1,429	1,453	1,477	1,502	1,527	1,553	1,579	1,606	1,633	1,661	1,689	1,718	1,747	1,777	1,808	1,839	1,870	1,903	
Capital Costs																						
New Landfill	\$906,148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$1,293,630	0	0	0	0	
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	\$662,227	0	0	0	0	0	0	0	0	0	
Construct C&D	\$88,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	\$1,839,370	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Annualized Capital Costs																						
Landfill	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	\$91,076	
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	
Construct C&D	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	
Total Capital Costs	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	\$215,268	
Yearly Operating Costs																						
Equipment	\$27,572	\$29,251	\$30,129	\$31,033	\$31,964	\$32,922	\$33,910	\$34,927	\$35,975	\$37,064	\$38,186	\$39,311	\$40,460	\$41,705	\$42,956	\$44,245	\$45,572	\$46,939	\$48,348	\$49,800	\$51,300	
Employees	\$46,800	\$48,204	\$49,650	\$51,140	\$52,674	\$54,254	\$55,882	\$57,558	\$59,285	\$61,063	\$62,895	\$64,782	\$66,726	\$68,727	\$70,789	\$72,913	\$75,100	\$77,353	\$79,674	\$82,064	\$84,526	
Utilities	\$6,000	\$6,180	\$6,365	\$6,556	\$6,753	\$6,956	\$7,164	\$7,379	\$7,601	\$7,829	\$8,063	\$8,305	\$8,555	\$8,811	\$9,076	\$9,348	\$9,628	\$9,917	\$10,215	\$10,521	\$10,833	
Subtotal Yearly Operating Costs	\$80,372	\$83,783	\$85,267	\$87,825	\$90,459	\$93,173	\$95,968	\$98,847	\$101,813	\$104,867	\$108,013	\$111,254	\$114,591	\$118,029	\$121,570	\$125,217	\$128,973	\$132,843	\$136,828	\$140,933	\$145,160	
Landfill Operator Profit @ 15%	\$12,056	\$12,417	\$12,790	\$13,174	\$13,569	\$13,976	\$14,395	\$14,827	\$15,272	\$15,730	\$16,202	\$16,688	\$17,189	\$17,704	\$18,235	\$18,783	\$19,346	\$19,926	\$20,524	\$21,140	\$21,773	
Total Yearly Operating Costs	\$92,428	\$96,201	\$98,057	\$100,998	\$104,028	\$107,148	\$110,364	\$113,675	\$117,085	\$120,597	\$124,215	\$127,942	\$131,780	\$135,733	\$139,805	\$144,000	\$148,319	\$152,769	\$157,352	\$162,073	\$166,933	
Total Yearly Costs	\$307,696	\$310,468	\$313,324	\$316,296	\$322,417	\$328,631	\$334,942	\$342,353	\$349,865	\$357,478	\$365,193	\$373,011	\$380,934	\$388,964	\$397,103	\$405,353	\$413,716	\$422,194	\$430,788	\$439,500	\$448,331	
Disposal Cost per Ton	\$222.54	\$220.87	\$219.25	\$217.67	\$216.13	\$214.64	\$213.20	\$211.80	\$210.44	\$209.13	\$207.86	\$206.64	\$205.46	\$204.32	\$203.22	\$202.15	\$201.11	\$200.10	\$199.12	\$198.17	\$197.25	
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28	\$144.50	
Total Cost for Collection and Disposal per Ton	\$302.54	\$303.27	\$304.12	\$305.09	\$306.17	\$307.39	\$308.72	\$310.19	\$311.78	\$313.51	\$315.25	\$317.02	\$318.82	\$320.66	\$322.55	\$324.48	\$326.45	\$328.46	\$330.51	\$332.60	\$334.73	

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated at 3% per year.

Bond rate used: 8%

OPTION 3: New Landfill and C&D

Scenario 2: Base Case + Prison

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	2,967	2,991	3,015	3,040	3,065	3,091	3,117	3,144	3,171	3,199	3,227	3,256	3,285	3,315	3,345	3,376	3,408	3,440	
Capital Costs																						
New Landfill	\$806,148	0	0	0	0	0	0	0	0	\$1,051,840	0	0	0	0	0	0	0	\$1,332,439	0	0	0	
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Construct C&D	\$88,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	\$1,839,370																					
Annualized Capital Costs																						
Landfill																						
Building	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048	\$129,048
Equipment	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438
Utilities	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
Construct C&D	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260
Total Capital Costs	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240	\$263,240
Yearly Operating Costs																						
Equipment	\$27,572	\$28,399	\$29,226	\$30,053	\$30,880	\$31,707	\$32,534	\$33,361	\$34,188	\$35,015	\$35,842	\$36,669	\$37,496	\$38,323	\$39,150	\$39,977	\$40,804	\$41,631	\$42,458	\$43,285	\$44,112	\$44,939
Utilities	\$46,800	\$48,204	\$49,608	\$51,012	\$52,416	\$53,820	\$55,224	\$56,628	\$58,032	\$59,436	\$60,840	\$62,244	\$63,648	\$65,052	\$66,456	\$67,860	\$69,264	\$70,668	\$72,072	\$73,476	\$74,880	\$76,284
Subtotal Yearly Operating Costs	\$90,000	\$96,180	\$98,788	\$102,119	\$105,450	\$108,781	\$112,112	\$115,443	\$118,774	\$122,105	\$125,436	\$128,767	\$132,098	\$135,429	\$138,760	\$142,091	\$145,422	\$148,753	\$152,084	\$155,415	\$158,746	\$162,077
Landfill Operator Profit @ 15%	\$12,056	\$12,417	\$12,778	\$13,139	\$13,500	\$13,861	\$14,222	\$14,583	\$14,944	\$15,305	\$15,666	\$16,027	\$16,388	\$16,749	\$17,110	\$17,471	\$17,832	\$18,193	\$18,554	\$18,915	\$19,276	\$19,637
Total Yearly Operating Costs	\$92,428	\$95,201	\$98,201	\$101,417	\$104,633	\$107,849	\$111,065	\$114,281	\$117,497	\$120,713	\$123,929	\$127,145	\$130,361	\$133,577	\$136,793	\$140,009	\$143,225	\$146,441	\$149,657	\$152,873	\$156,089	\$159,305
Total Yearly Costs	\$345,667	\$348,440	\$351,213	\$354,000	\$356,787	\$359,574	\$362,361	\$365,148	\$367,935	\$370,722	\$373,509	\$376,296	\$379,083	\$381,870	\$384,657	\$387,444	\$390,231	\$393,018	\$395,805	\$398,592	\$401,379	\$404,166
Disposal Cost per Ton	\$250.00	\$247.88	\$245.76	\$243.64	\$241.52	\$239.40	\$237.28	\$235.16	\$233.04	\$230.92	\$228.80	\$226.68	\$224.56	\$222.44	\$220.32	\$218.20	\$216.08	\$213.96	\$211.84	\$209.72	\$207.60	\$205.48
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28	\$144.40	\$148.54
Total Cost for Collection and Disposal per Ton	\$330.00	\$330.28	\$329.82	\$321.55	\$315.38	\$318.27	\$322.27	\$324.38	\$327.58	\$324.06	\$324.14	\$280.55	\$282.45	\$286.01	\$269.70	\$273.50	\$277.43	\$303.08	\$307.07	\$311.20	\$315.33	\$319.46

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated at 3% per year.

Bond rate used: 8%

Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the Prison.

Landfill cost: enr2/option3_newc&d cost.xls

OPTION 3: New Landfill and C&D

Scenario 3: Base Case + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	1,429	1,463	3,134	3,158	3,184	3,209	3,236	3,262	3,289	3,317	3,345	3,374	3,404	3,433	3,464	3,495	3,527	3,559	
Capital Costs																						
New Landfill	\$806,148	0	0	0	0	0	0	0	0	\$1,083,395	0	0	0	0	0	0	0	\$1,332,439	0	0	0	
Building	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Equipment	\$478,500	0	0	0	0	0	0	0	0	0	0	0	\$862,227	0	0	0	0	0	0	0	0	
Construct C&D	\$98,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Capital Costs	\$1,839,370																					
Annualized Capital Costs																						
Landfill	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,140	\$120,090	\$208,090	\$208,090	\$208,090	\$208,090	\$255,925	\$255,925	\$255,925	
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	
Construct C&D	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	
Total Capital Costs	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	\$244,332	
Yearly Operating Costs																						
Equipment	\$27,572	\$28,399	\$29,251	\$30,129	\$37,661	\$38,791	\$39,954	\$41,153	\$42,388	\$43,659	\$44,969	\$46,318	\$47,708	\$49,139	\$50,613	\$52,131	\$53,695	\$55,306	\$56,965	\$58,674		
Employees	\$46,800	\$48,204	\$49,650	\$51,140	\$63,925	\$65,842	\$67,818	\$69,852	\$71,948	\$74,106	\$76,329	\$78,619	\$80,978	\$83,407	\$85,909	\$88,486	\$91,141	\$93,875	\$96,692	\$99,592		
Utilities	\$6,000	\$6,180	\$6,365	\$6,556	\$6,753	\$6,956	\$7,164	\$7,379	\$7,601	\$7,829	\$8,063	\$8,305	\$8,555	\$8,811	\$9,076	\$9,348	\$9,628	\$9,917	\$10,215	\$10,521		
Subtotal Yearly Operating Costs	\$80,372	\$82,783	\$85,267	\$87,825	\$108,339	\$111,589	\$114,968	\$118,384	\$121,936	\$125,594	\$129,362	\$133,243	\$137,240	\$141,357	\$145,598	\$149,966	\$154,465	\$159,099	\$163,872	\$168,788		
Landfill Operator Profit @ 15%	\$12,056	\$12,417	\$12,790	\$13,174	\$16,251	\$16,736	\$17,240	\$17,758	\$18,290	\$18,839	\$19,404	\$19,986	\$20,586	\$21,204	\$21,840	\$22,495	\$23,170	\$23,865	\$24,581	\$25,318		
Total Yearly Operating Costs	\$92,428	\$95,201	\$98,057	\$100,998	\$124,589	\$128,327	\$132,177	\$136,142	\$140,226	\$144,433	\$148,766	\$153,229	\$157,826	\$162,561	\$167,437	\$172,461	\$177,634	\$182,963	\$188,452	\$194,106		
Total Yearly Costs	\$336,759	\$339,532	\$342,388	\$345,330	\$368,921	\$372,656	\$376,508	\$380,473	\$384,556	\$388,765	\$393,099	\$397,552	\$402,125	\$406,817	\$411,628	\$416,557	\$421,605	\$426,774	\$432,064	\$437,476		
Disposal Cost per Ton	\$243.96	\$241.45	\$239.68	\$237.87	\$117.73	\$117.99	\$118.27	\$118.55	\$118.86	\$119.17	\$119.51	\$119.87	\$120.24	\$120.62	\$121.01	\$121.41	\$121.82	\$122.24	\$122.67	\$123.11	\$123.56	
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28		
Total Cost for Collection and Disposal per Ton	\$323.96	\$323.85	\$324.55	\$325.29	\$207.78	\$210.74	\$213.79	\$216.94	\$220.20	\$223.55	\$227.02	\$230.58	\$234.24	\$238.01	\$241.88	\$245.85	\$250.00	\$254.33	\$258.85	\$263.56	\$268.40	

Inflation rate used: 3%
 Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.
 Yearly Operating Costs have been inflated at 3% per year.
 Bond rate used: 8%
 Yearly Equipment and Employee costs increase 25% in 2006 to account for increase in volume of waste due to the NMDS.

OPTION 3: New Landfill and C&D

Scenario 4: Base Case + Prison + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES.

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	2,967	2,991	4,671	4,696	4,721	4,747	4,773	4,800	4,827	4,855	4,883	4,912	4,941	4,971	5,002	5,033	5,064	5,096	
Capital Costs																						
New Landfill Building	\$806,148	0	0	0	0	0	0	\$991,460	0	0	0	\$1,149,374	0	0	0	0	0	\$1,332,439	0	0	0	0
Equipment	\$465,750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Construct C&D	\$88,972	0	0	0	0	0	0	0	0	0	0	\$682,227	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,899,370	0	0	0	0	0	0	0	0	0	0	\$1,831,601	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs																						
Landfill	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$154,839	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318	\$248,318
Building	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438	\$47,438
Equipment	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
Construct C&D	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260
Total Capital Costs	\$279,030	\$279,030	\$279,030	\$279,030	\$279,030	\$279,030	\$279,030	\$279,030	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509	\$372,509
Yearly Operating Costs																						
Equipment	\$27,572	\$28,399	\$35,499	\$36,564	\$45,705	\$47,076	\$48,488	\$49,943	\$51,441	\$52,985	\$54,574	\$56,211	\$57,898	\$59,635	\$61,424	\$63,266	\$65,164	\$67,119	\$69,133	\$71,207	\$73,341	\$75,534
Employees	\$46,000	\$48,204	\$50,255	\$52,063	\$53,778	\$55,406	\$57,053	\$58,721	\$60,411	\$62,131	\$63,883	\$65,667	\$67,484	\$69,334	\$71,217	\$73,134	\$75,086	\$77,074	\$79,097	\$81,155	\$83,248	\$85,376
Utilities	\$6,000	\$6,180	\$6,365	\$6,556	\$6,753	\$6,956	\$7,164	\$7,379	\$7,601	\$7,829	\$8,063	\$8,305	\$8,555	\$8,811	\$9,076	\$9,348	\$9,628	\$9,917	\$10,215	\$10,521	\$10,835	\$11,156
Subtotal Yearly Operating Costs	\$80,372	\$82,783	\$102,119	\$105,183	\$130,038	\$133,937	\$137,965	\$142,094	\$146,357	\$150,748	\$155,270	\$159,928	\$164,726	\$169,668	\$174,758	\$180,001	\$185,401	\$190,963	\$196,692	\$202,592	\$202,592	\$202,592
Landfill Operator Profit @ 15%	\$12,056	\$12,417	\$15,318	\$15,777	\$19,505	\$20,091	\$20,681	\$21,314	\$21,954	\$22,612	\$23,291	\$23,999	\$24,726	\$25,450	\$26,214	\$27,000	\$27,810	\$28,644	\$29,504	\$30,389	\$30,389	\$30,389
Total Yearly Operating Costs	\$92,428	\$95,201	\$117,437	\$120,960	\$149,543	\$154,028	\$158,649	\$163,408	\$168,311	\$173,360	\$178,561	\$183,917	\$189,435	\$195,118	\$200,972	\$207,001	\$213,211	\$219,607	\$226,186	\$232,981	\$232,981	\$232,981
Total Yearly Costs	\$371,458	\$374,231	\$396,468	\$399,991	\$428,572	\$433,058	\$437,579	\$442,122	\$446,820	\$451,599	\$456,462	\$461,411	\$466,446	\$471,569	\$476,782	\$482,085	\$487,479	\$492,964	\$498,541	\$504,211	\$509,975	\$515,834
Disposal Cost per Ton	\$268.85	\$266.23	\$133.64	\$133.78	\$91.79	\$92.22	\$92.71	\$93.20	\$93.69	\$94.18	\$94.67	\$95.16	\$95.65	\$96.14	\$96.63	\$97.12	\$97.61	\$98.10	\$98.59	\$99.08	\$99.57	\$100.06
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.35	\$132.23	\$136.19	\$140.28	\$140.28	\$140.28
Total Cost for Collection and Disposal per Ton	\$348.85	\$348.63	\$218.51	\$221.17	\$181.79	\$184.96	\$188.23	\$191.29	\$194.65	\$198.76	\$202.02	\$205.48	\$209.04	\$212.70	\$216.47	\$220.34	\$224.31	\$228.38	\$232.55	\$236.82	\$241.20	\$245.68

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated at 3% per year.

Bond rate used: 8%

Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the prison and 25% in 2006 to account for increase in volume of waste due to the NMDS.

OPTION 4: Transfer Station and C&D

Scenario 1: Base Case

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES

Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	1,429	1,453	1,477	1,502	1,527	1,553	1,579	1,606	1,633	1,661	1,689	1,718	1,747	1,777	1,808	1,839	1,870	1,903	
Capital Costs																						
Construction	\$385,589	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building	\$351,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$313,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upgrade Existing Landfill	\$88,972	0	0	0	0	0	0	0	0	0	0	0	\$446,976	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,139,041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs																						
Construction	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271
Building	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750
Equipment	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600
Upgrade Existing Landfill	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Costs	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Yearly Operating Costs																						
Equipment	\$27,940	\$28,778	\$29,616	\$30,454	\$31,292	\$32,130	\$32,968	\$33,806	\$34,644	\$35,482	\$36,320	\$37,158	\$38,000	\$38,842	\$39,684	\$40,526	\$41,368	\$42,210	\$43,052	\$43,894	\$44,736	\$45,578
Employees	\$46,800	\$48,204	\$49,608	\$51,012	\$52,416	\$53,820	\$55,224	\$56,628	\$58,032	\$59,436	\$60,840	\$62,244	\$63,648	\$65,052	\$66,456	\$67,860	\$69,264	\$70,668	\$72,072	\$73,476	\$74,880	\$76,284
Utilities	\$5,800	\$5,974	\$6,148	\$6,322	\$6,496	\$6,670	\$6,844	\$7,018	\$7,192	\$7,366	\$7,540	\$7,714	\$7,888	\$8,062	\$8,236	\$8,410	\$8,584	\$8,758	\$8,932	\$9,106	\$9,280	\$9,454
Hauling/Tipping fees	\$129,970	\$136,087	\$142,204	\$148,321	\$154,438	\$160,555	\$166,672	\$172,789	\$178,906	\$185,023	\$191,140	\$197,257	\$203,374	\$209,491	\$215,608	\$221,725	\$227,842	\$233,959	\$240,076	\$246,193	\$252,310	\$258,427
Subtotal Yearly Operating Costs	\$210,510	\$219,053	\$227,596	\$236,139	\$244,682	\$253,225	\$261,768	\$270,311	\$278,854	\$287,397	\$295,940	\$304,483	\$313,026	\$321,569	\$330,112	\$338,655	\$347,198	\$355,741	\$364,284	\$372,827	\$381,370	\$389,913
Operator Profit @ 15%	\$31,577	\$32,858	\$34,139	\$35,420	\$36,701	\$37,982	\$39,263	\$40,544	\$41,825	\$43,106	\$44,387	\$45,668	\$46,949	\$48,230	\$49,511	\$50,792	\$52,073	\$53,354	\$54,635	\$55,916	\$57,197	\$58,478
Total Yearly Operating Costs	\$242,087	\$251,911	\$262,735	\$273,559	\$284,383	\$295,207	\$306,031	\$316,855	\$327,679	\$338,503	\$349,327	\$360,151	\$370,975	\$381,799	\$392,623	\$403,447	\$414,271	\$425,095	\$435,919	\$446,743	\$457,567	\$468,391
Total Yearly Costs	\$371,967	\$381,791	\$392,026	\$402,761	\$413,496	\$424,231	\$434,966	\$445,701	\$456,436	\$467,171	\$477,906	\$488,641	\$499,376	\$510,111	\$520,846	\$531,581	\$542,316	\$553,051	\$563,786	\$574,521	\$585,256	\$595,991
Disposal Cost per Ton	\$269.02	\$271.61	\$274.32	\$277.17	\$280.15	\$283.27	\$286.52	\$289.92	\$293.47	\$297.16	\$300.99	\$304.96	\$309.07	\$313.32	\$317.71	\$322.25	\$326.94	\$331.68	\$336.57	\$341.51	\$346.50	\$351.54
Collection Cost per Ton	\$60.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$120.99	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28		
Total Cost for Collection and Disposal per Ton	\$349.02	\$354.01	\$359.20	\$364.59	\$370.19	\$376.01	\$382.05	\$388.31	\$394.81	\$401.54	\$408.41	\$415.47	\$422.77	\$430.36	\$438.25	\$446.45	\$454.94	\$463.72	\$472.79	\$482.15	\$491.80	\$501.65

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated 3% per year.

Bond rate used: 8%

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OPTION 4: Transfer Station and C&D

Scenario 2: Base Case + Prison

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	2,967	2,891	3,015	3,040	3,065	3,091	3,117	3,144	3,171	3,199	3,227	3,256	3,285	3,315	3,345	3,376	3,408	3,440	
Capital Costs																						
Construction	\$365,569	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building	\$351,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$313,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upgrade Existing Landfill	\$88,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,139,041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs																						
Construction	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271
Building	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750
Equipment	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600
Upgrade Existing Landfill	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260
Total Capital Costs	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881
Yearly Operating Costs																						
Equipment	\$27,940	\$28,778	\$29,616	\$30,454	\$31,292	\$32,130	\$32,968	\$33,806	\$34,644	\$35,482	\$36,320	\$37,158	\$38,000	\$38,842	\$39,684	\$40,526	\$41,368	\$42,210	\$43,052	\$43,894	\$44,736	\$45,578
Employees	\$46,800	\$48,204	\$49,608	\$51,012	\$52,416	\$53,820	\$55,224	\$56,628	\$58,032	\$59,436	\$60,840	\$62,244	\$63,648	\$65,052	\$66,456	\$67,860	\$69,264	\$70,668	\$72,072	\$73,476	\$74,880	\$76,284
Utilities	\$5,800	\$5,974	\$6,148	\$6,322	\$6,496	\$6,670	\$6,844	\$7,018	\$7,192	\$7,366	\$7,540	\$7,714	\$7,888	\$8,062	\$8,236	\$8,410	\$8,584	\$8,758	\$8,932	\$9,106	\$9,280	\$9,454
Hauling/Tippling fees	\$129,970	\$136,087	\$142,204	\$148,321	\$154,438	\$160,555	\$166,672	\$172,789	\$178,906	\$185,023	\$191,140	\$197,257	\$203,374	\$209,491	\$215,608	\$221,725	\$227,842	\$233,959	\$240,076	\$246,193	\$252,310	\$258,427
Subtotal Yearly Operating Costs	\$210,510	\$219,053	\$227,596	\$236,139	\$244,682	\$253,225	\$261,768	\$270,311	\$278,854	\$287,397	\$295,940	\$304,483	\$313,026	\$321,569	\$330,112	\$338,655	\$347,198	\$355,741	\$364,284	\$372,827	\$381,370	\$389,913
Operator Profit @ 15%	\$31,577	\$32,858	\$34,139	\$35,420	\$36,701	\$37,982	\$39,263	\$40,544	\$41,825	\$43,106	\$44,387	\$45,668	\$46,949	\$48,230	\$49,511	\$50,792	\$52,073	\$53,354	\$54,635	\$55,916	\$57,197	\$58,478
Total Yearly Operating Costs	\$242,087	\$251,911	\$261,735	\$271,559	\$281,383	\$291,207	\$301,031	\$310,855	\$320,679	\$330,503	\$340,327	\$350,151	\$359,975	\$369,799	\$379,623	\$389,447	\$399,271	\$409,095	\$418,919	\$428,743	\$438,567	\$448,391
Total Yearly Costs	\$371,967	\$381,791	\$391,615	\$401,439	\$411,263	\$421,087	\$430,911	\$440,735	\$450,559	\$460,383	\$470,207	\$480,031	\$489,855	\$499,679	\$509,503	\$519,327	\$529,151	\$538,975	\$548,799	\$558,623	\$568,447	\$578,271
Disposal Cost per Ton	\$269.02	\$271.81	\$274.60	\$277.39	\$280.18	\$282.97	\$285.76	\$288.55	\$291.34	\$294.13	\$296.92	\$299.71	\$302.50	\$305.29	\$308.08	\$310.87	\$313.66	\$316.45	\$319.24	\$322.03	\$324.82	\$327.61
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$89.94	\$92.47	\$95.02	\$97.52	\$100.00	\$102.48	\$104.93	\$107.35	\$109.74	\$112.11	\$114.46	\$116.80	\$119.12	\$121.43	\$123.73	\$126.02	\$128.30	\$130.57
Total Cost for Collection and Disposal per Ton	\$349.02	\$354.01	\$363.02	\$374.82	\$382.82	\$392.22	\$403.11	\$414.21	\$425.53	\$437.05	\$448.81	\$460.80	\$473.02	\$485.45	\$498.11	\$510.97	\$524.04	\$537.32	\$550.81	\$564.51	\$578.42	\$592.54

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated 3% per year.

Bond rate used: 8%

Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the Prison.

OPTION 4: Transfer Station and C&D

Scenario 3: Base Case + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES

Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Tons of Waste	0	1,383	1,406	1,429	1,453	3,134	3,158	3,184	3,209	3,236	3,262	3,289	3,317	3,345	3,374	3,404	3,433	3,464	3,495	3,527	3,559	
Capital Costs																						
Construction	\$385,569	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building	\$351,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$313,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upgrade Existing Landfill	\$88,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,139,041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs																						
Construction	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271
Building	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750
Equipment	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600
Upgrade Existing Landfill	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260	\$13,260
Total Capital Costs	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881
Yearly Operating Costs																						
Equipment	\$27,940	\$28,778	\$29,642	\$30,531	\$31,440	\$32,363	\$33,308	\$34,272	\$35,253	\$36,250	\$37,263	\$38,291	\$39,333	\$40,389	\$41,460	\$42,546	\$43,647	\$44,763	\$45,894	\$47,040	\$48,201	\$49,377
Employees	\$46,800	\$48,204	\$49,650	\$51,140	\$52,673	\$54,249	\$55,867	\$57,525	\$59,223	\$60,961	\$62,729	\$64,527	\$66,355	\$68,213	\$70,101	\$72,019	\$73,967	\$75,945	\$77,953	\$79,991	\$82,059	\$84,157
Utilities	\$5,800	\$5,974	\$6,153	\$6,339	\$6,528	\$6,724	\$6,926	\$7,133	\$7,347	\$7,567	\$7,792	\$8,022	\$8,257	\$8,500	\$8,749	\$9,004	\$9,265	\$9,532	\$9,805	\$10,084	\$10,369	\$10,660
Hauling/Tipping fees	\$129,970	\$136,097	\$142,917	\$149,245	\$156,093	\$163,473	\$171,406	\$179,905	\$188,881	\$198,347	\$208,315	\$218,806	\$229,841	\$241,441	\$253,617	\$266,380	\$279,740	\$293,708	\$308,296	\$323,515	\$339,375	\$355,887
Subtotal Yearly Operating Costs	\$210,510	\$219,053	\$227,962	\$237,253	\$246,936	\$257,024	\$267,529	\$278,463	\$289,838	\$301,665	\$313,956	\$326,723	\$340,000	\$353,800	\$368,137	\$383,032	\$398,497	\$414,553	\$431,221	\$448,521	\$466,473	\$485,087
Operator Profit @ 15%	\$31,577	\$32,858	\$34,194	\$35,588	\$37,041	\$38,553	\$40,125	\$41,758	\$43,452	\$45,207	\$47,024	\$48,903	\$50,846	\$52,854	\$54,927	\$57,065	\$59,268	\$61,537	\$63,872	\$66,274	\$68,743	\$71,279
Total Yearly Operating Costs	\$242,087	\$251,911	\$262,156	\$272,841	\$283,977	\$295,577	\$307,654	\$320,221	\$333,293	\$346,872	\$360,980	\$375,629	\$390,846	\$406,654	\$423,067	\$439,999	\$457,467	\$475,482	\$494,064	\$513,237	\$533,026	\$553,466
Total Yearly Costs	\$371,967	\$381,791	\$392,098	\$402,722	\$413,663	\$424,936	\$436,552	\$448,521	\$460,844	\$473,533	\$486,607	\$499,976	\$513,651	\$527,641	\$541,956	\$556,607	\$571,605	\$586,961	\$602,684	\$618,784	\$635,271	\$652,154
Disposal Cost per Ton	\$269.02	\$271.61	\$274.32	\$277.17	\$280.18	\$283.36	\$286.71	\$290.24	\$293.96	\$297.87	\$301.97	\$306.27	\$310.78	\$315.50	\$320.44	\$325.61	\$331.01	\$336.64	\$342.51	\$348.64	\$354.94	\$361.42
Collection Cost per Ton	\$80.00	\$82.40	\$84.87	\$87.42	\$90.04	\$92.74	\$95.52	\$98.39	\$101.34	\$104.38	\$107.51	\$110.74	\$114.06	\$117.48	\$121.01	\$124.64	\$128.38	\$132.23	\$136.19	\$140.28		
Total Cost for Collection and Disposal per Ton	\$349.02	\$354.01	\$359.20	\$364.59	\$263.02	\$299.92	\$307.02	\$314.34	\$321.87	\$329.63	\$333.58	\$341.84	\$355.64	\$364.34	\$373.31	\$382.54	\$392.04	\$401.82	\$411.89	\$422.26		

Inflation rate used: _____ 3% _____

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at _____ 3% _____ per year from 2001.

Yearly Operating Costs have been inflated _____ 3% _____ per year.

Bond rate used: _____ 8% _____

Yearly Equipment and Employee costs increase _____ 25% _____ in 2006 to account for increase in volume of waste due to the NMDS.

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OPTION 4: Transfer Station and C&D

Scenario 4: Base Case + Prison + NMDS

COSTS ARE CONCEPTUAL AND SUBJECT TO CHANGE FOLLOWING MORE IN-DEPTH ANALYSES

Number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Tons of Waste	0	1,383	1,406	2,967	2,991	4,671	4,696	4,721	4,747	4,773	4,800	4,827	4,855	4,883	4,912	4,941	4,971	5,002	5,033	5,064	5,096
Capital Costs																					
Construction	\$365,569	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Building	\$351,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipment	\$313,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Upgrade Existing Landfill	\$88,972	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Costs	\$1,139,041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annualized Capital Costs																					
Construction	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271	\$39,271
Building	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750	\$35,750
Equipment	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600	\$41,600
Upgrade Existing Landfill	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280	\$13,280
Total Capital Costs	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881	\$129,881
Yearly Operating Costs																					
Equipment	\$27,940	\$28,778	\$29,616	\$30,454	\$31,292	\$32,130	\$32,968	\$33,806	\$34,644	\$35,482	\$36,320	\$37,158	\$38,000	\$38,842	\$39,684	\$40,526	\$41,368	\$42,210	\$43,052	\$43,894	\$44,736
Employees	\$46,800	\$48,204	\$49,608	\$51,012	\$52,416	\$53,820	\$55,224	\$56,628	\$58,032	\$59,436	\$60,840	\$62,244	\$63,648	\$65,052	\$66,456	\$67,860	\$69,264	\$70,668	\$72,072	\$73,476	\$74,880
Utilities	\$5,800	\$5,974	\$6,148	\$6,322	\$6,496	\$6,670	\$6,844	\$7,018	\$7,192	\$7,366	\$7,540	\$7,714	\$7,888	\$8,062	\$8,236	\$8,410	\$8,584	\$8,758	\$8,932	\$9,106	\$9,280
Hauling/Tipping fees	\$129,970	\$136,097	\$142,224	\$148,351	\$154,478	\$160,605	\$166,732	\$172,859	\$178,986	\$185,113	\$191,240	\$197,367	\$203,494	\$209,621	\$215,748	\$221,875	\$228,002	\$234,129	\$240,256	\$246,383	\$252,510
Subtotal Yearly Operating Costs	\$210,510	\$219,053	\$227,596	\$236,139	\$244,682	\$253,225	\$261,768	\$270,311	\$278,854	\$287,397	\$295,940	\$304,483	\$313,026	\$321,569	\$330,112	\$338,655	\$347,198	\$355,741	\$364,284	\$372,827	\$381,370
Operator Profit @ 15%	\$31,577	\$32,858	\$34,139	\$35,420	\$36,701	\$37,982	\$39,263	\$40,544	\$41,825	\$43,106	\$44,387	\$45,668	\$46,949	\$48,230	\$49,511	\$50,792	\$52,073	\$53,354	\$54,635	\$55,916	\$57,197
Total Yearly Operating Costs	\$242,087	\$251,911	\$261,735	\$271,559	\$281,383	\$291,207	\$301,031	\$310,855	\$320,679	\$330,503	\$340,327	\$350,151	\$359,975	\$369,799	\$379,623	\$389,447	\$399,271	\$409,095	\$418,919	\$428,743	\$438,567
Total Yearly Costs	\$371,967	\$381,791	\$391,615	\$401,439	\$411,263	\$421,087	\$430,911	\$440,735	\$450,559	\$460,383	\$470,207	\$480,031	\$489,855	\$499,679	\$509,503	\$519,327	\$529,151	\$538,975	\$548,799	\$558,623	\$568,447
Disposal Cost per Ton	\$268,02	\$271,61	\$275,20	\$278,79	\$282,38	\$285,97	\$289,56	\$293,15	\$296,74	\$300,33	\$303,92	\$307,51	\$311,10	\$314,69	\$318,28	\$321,87	\$325,46	\$329,05	\$332,64	\$336,23	\$339,82
Collection Cost per Ton	\$80,00	\$82,40	\$84,87	\$87,42	\$89,94	\$92,47	\$95,02	\$97,52	\$100,04	\$102,53	\$105,04	\$107,51	\$110,07	\$112,60	\$115,14	\$117,64	\$120,14	\$122,64	\$125,14	\$127,64	\$130,14
Total Cost for Collection and Disposal per Ton	\$348,02	\$354,01	\$360,07	\$366,21	\$372,32	\$378,41	\$384,49	\$390,57	\$396,64	\$402,71	\$408,77	\$414,81	\$420,85	\$426,89	\$432,93	\$438,97	\$445,01	\$451,05	\$457,09	\$463,13	\$469,17

Inflation rate used: 3%

Initial Capital Costs are in year 2001 dollars; Future Capital Costs have been inflated at 3% per year from 2001.

Yearly Operating Costs have been inflated 3% per year.

Bond rate used: 8%

Yearly Equipment and Employee costs increase 25% in 2004 to account for increase in volume of waste due to the prison and 25% in 2006 to account for increase in volume of waste due to the NMDS.

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