

Life Cycle Cost Analysis (1 to 15 years)

Project: Sample LCCA
 PID: 180102

Date: 2/4/2018
 Prepared By: John

Project Description:

Life Cycle Cost Analysis for ...

Year 0:	2018
Years of Analysis:	15
Discount Rate:	5.00%

			Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
Item	Descriptions	Total	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
A	Capital Costs	\$155,434	\$110,434	\$45,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
A1	Planning	\$13,434	\$13,434															
A2	Design	\$22,000	\$17,000	\$5,000														
A3	Construction	\$120,000	\$80,000	\$40,000														
A4		\$0																
A5		\$0																
B	Operating Costs	\$2,175,000	\$0	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000	\$145,000
B1	Labor	\$1,800,000		\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000
B2	Utility Bills	\$375,000		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
B3		\$0																
B4		\$0																
B5		\$0																
C	Maintenance Costs	\$55,000	\$0	\$7,000	\$2,000	\$2,000	\$7,000	\$2,000	\$2,000	\$7,000	\$2,000	\$2,000	\$7,000	\$2,000	\$2,000	\$7,000	\$2,000	\$2,000
C1	Preventive Maint.	\$30,000		\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
C2	Inspections	\$25,000		\$5,000			\$5,000			\$5,000			\$5,000			\$5,000		
C3		\$0																
C4		\$0																
C5		\$0																
D	Miscellaneous Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D1		\$0																
D2		\$0																
D3		\$0																
D4		\$0																
D5		\$0																

			Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Undiscounted	Total Cost:	\$2,385,434	\$110,434	\$197,000	\$147,000	\$147,000	\$152,000	\$147,000	\$147,000	\$152,000	\$147,000	\$147,000	\$152,000	\$147,000	\$147,000	\$152,000	\$147,000	\$147,000
	Cumulative Cost:	=====	\$110,434	\$307,434	\$454,434	\$601,434	\$753,434	\$900,434	\$1,047,434	\$1,199,434	\$1,346,434	\$1,493,434	\$1,645,434	\$1,792,434	\$1,939,434	\$2,091,434	\$2,238,434	\$2,385,434
	Average Annualized Cost:	\$159,029																

			Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13	Year 14	Year 15
			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Discounted	Present Value Factor:	=====	1.0000	0.9524	0.9070	0.8638	0.8227	0.7835	0.7462	0.7107	0.6768	0.6446	0.6139	0.5847	0.5568	0.5303	0.5051	0.4810
	Present Value Total Cost:	\$1,697,251	\$110,434	\$187,619	\$133,333	\$126,984	\$125,051	\$115,178	\$109,694	\$108,024	\$99,495	\$94,758	\$93,315	\$85,948	\$81,855	\$80,609	\$74,245	\$70,710
	Present Value Cumulative Cost:	=====	\$110,434	\$298,053	\$431,386	\$558,371	\$683,421	\$798,600	\$908,293	\$1,016,317	\$1,115,812	\$1,210,570	\$1,303,885	\$1,389,832	\$1,471,688	\$1,552,296	\$1,626,541	\$1,697,251
	Average Annualized Cost:	\$113,150																