Life Cycle Cost Analysis

Project: Sample LCCA
Option: Option A - Company ABC
Note:

Year 0: 2015
Years of Analysis: 15
Discount Rate: 5.00%

Date: 12/6/15
Prepared By: T.M.

	Item	Descriptions	Total	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
A	**Capital Costs**			*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*
A1	Planning		$13,434	$13,434															
A2	Design	EOR Design	$22,000	$17,000	$5,000														
A3	Construction	B&C Corp	$120,000	$80,000	$40,000														
A4			$0																
A5			$0																
		A) Total Capital Cost =	**$155,434**	$110,434	$45,000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
B	**Operating Costs**			*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*
B1	Labor		$870,000		$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000	$58,000
B2	Electric		$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																
		B) Total Operating Cost =	**$1,245,000**	$0	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000
C	**Maintenance Costs**			*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*
C1	Preventive		$0																
C2	Corrective		$0																
C3			$0																
		C) Total Maintenance Cost =	**$0**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
D	**Renewal Costs**			*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*
D1	Repair		$0																
			$0																
			$0																
		D) Total Renewal Cost =	**$0**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
E	**Disposal Costs**			*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*
E1	Salvage Value		$0																
E2	Disposal Costs		$0																
			$0																
		E) Total Disposal Cost =	**$0**	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Undiscounted	Total Cost:	$1,400,434	$110,434	$128,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000	$83,000
	Cumulative Cost:	======>	$110,434	$238,434	$321,434	$404,434	$487,434	$570,434	$653,434	$736,434	$819,434	$902,434	$985,434	$1,068,434	$1,151,434	$1,234,434	$1,317,434	$1,400,434
	Average Annualized Cost:	$93,362																

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:	$1,014,803	$110,434	$121,905	$75,283	$71,699	$68,284	$65,033	$61,936	$58,987	$56,178	$53,503	$50,955	$48,528	$46,218	$44,017	$41,921	$39,924
	Present Value Cumulative Cost:	======>	$110,434	$232,339	$307,622	$379,321	$447,605	$512,638	$574,574	$633,560	$689,738	$743,240	$794,195	$842,724	$888,941	$932,958	$974,878	$1,014,803
	Average Annualized Cost:	$67,654																