

Project Title: Lighting Upgrade Analysis  
Project ID: 30206  
Project Manager: T.M.

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Sheet: 1 of 1  
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PAYBACK ANALYSIS (1 to 10 Years 2 Options)

**Project Description**  
Evaluation of two options at the end of 10 years.

**OPTION A:** Option A from Company ABC

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
1 Initial Cost	-\$100,000											-\$100,000
2 O&M Costs	-\$800	-\$800	-\$800	-\$800	-\$800	-\$800	-\$800	-\$800	-\$800	-\$800	-\$800	-\$8,800
3 Equip Overhaul						-\$50,000					-\$50,000	-\$100,000
4 Energy Savings		\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$19,000	\$190,000
5												\$0
6												\$0
7												\$0
Total	-\$100,800	\$18,200	\$18,200	\$18,200	\$18,200	-\$31,800	\$18,200	\$18,200	\$18,200	\$18,200	-\$31,800	-\$18,800
Cumulative	-\$100,800	-\$82,600	-\$64,400	-\$46,200	-\$28,000	-\$59,800	-\$41,600	-\$23,400	-\$5,200	\$13,000	-\$18,800	

**OPTION B:** Option B from Company XYZ

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	
1 Initial Cost	-\$150,000											-\$150,000
2 O&M Costs	-\$500	-\$500	-\$500	-\$500	-\$500	-\$500	-\$500	-\$500	-\$500	-\$500	-\$500	-\$5,500
3 Equip Overhaul				-\$25,000			-\$25,000			-\$25,000		-\$75,000
4 Energy Savings		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$250,000
5												\$0
6												\$0
7												\$0
Total	-\$150,500	\$24,500	\$24,500	-\$500	\$24,500	\$24,500	-\$500	\$24,500	\$24,500	-\$500	\$24,500	\$19,500
Cumulative	-\$150,500	-\$126,000	-\$101,500	-\$102,000	-\$77,500	-\$53,000	-\$53,500	-\$29,000	-\$4,500	-\$5,000	\$19,500	

