

COST-BENEFIT ANALYSIS TEMPLATE

Summary page

		Fiscal Year									
Undiscounted Cash Flows	Reference	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Costs	6.1										
Development Costs		\$300,000	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Operational Costs		\$0	\$0	\$200,000	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$0
Non-Recurring Costs	6.1.1	\$0	\$0	\$850,000	\$850,000	\$900,000	\$0	\$0	\$0	\$0	\$0
Recurring Costs	6.1.2	\$400,000	\$400,000	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Annual Cost	6.1.3	\$700,000	\$650,000	\$1,700,000	\$1,000,000	\$1,050,000	\$0	\$0	\$0	\$0	\$0
Total Cost Over Estimated Lifetime	6.1.4	\$700,000	\$1,350,000	\$3,050,000	\$4,050,000	\$5,100,000	\$5,100,000	\$5,100,000	\$5,100,000	\$5,100,000	\$5,100,000
Benefits	6.2										
Cost Reduction	6.2.1	\$0	\$0	\$500,000	\$525,000	\$550,000	\$600,000	\$650,000	\$700,000	\$800,000	\$1,000,000
Recurring Benefits	6.2.2	\$0	\$0	\$0	\$250,000	\$350,000	\$500,000	\$600,000	\$750,000	\$800,000	\$900,000
Labor Cost Reduction	6.2.3	\$0	\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Decreased Overhead	6.2.4	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Intangible Benefits		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Benefits		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Annual Benefit	6.2.5	\$0	\$0	\$550,000	\$925,000	\$1,050,000	\$1,250,000	\$1,400,000	\$1,600,000	\$1,750,000	\$2,050,000
Total Benefit Over Estimated Lifetime	6.2.6	\$0	\$0	\$550,000	\$1,475,000	\$2,525,000	\$3,775,000	\$5,175,000	\$6,775,000	\$8,525,000	\$10,575,000
Net Annual Cash Flow		\$ (700,000)	\$ (650,000)	\$ (1,150,000)	\$ (75,000)	\$ -	\$ 1,250,000	\$ 1,400,000	\$ 1,600,000	\$ 1,750,000	\$ 2,050,000

Discount Factor (for more advanced CBA; basic CBA may ignore the section below)

Discount Rate	6.6	3.0%
Base Year		2014

Discount Factor		1.0000	0.9709	0.9426	0.9151	0.8885	0.8626	0.8375	0.8131	0.7894	0.7664
		Fiscal Year									
Discounted Flows	Reference	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Costs		\$700,000	\$631,068	\$1,602,413	\$915,142	\$932,911	\$0	\$0	\$0	\$0	\$0
Benefits		\$0	\$0	\$518,428	\$846,506	\$932,911	\$1,078,261	\$1,172,478	\$1,300,946	\$1,381,466	\$1,571,154
Net Annual Cash Flow		\$ (700,000)	\$ (631,068)	\$ (1,083,985)	\$ (68,636)	\$ -	\$ 1,078,261	\$ 1,172,478	\$ 1,300,946	\$ 1,381,466	\$ 1,571,154
Cumulative Annual Cash Flow		\$ (700,000)	\$ (1,331,068)	\$ (2,415,053)	\$ (2,483,689)	\$ (2,483,689)	\$ (1,405,428)	\$ (232,950)	\$ 1,067,996	\$ 2,449,463	\$ 4,020,617

Net Present Value		\$ 4,020,617
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