

Example of Lifecycle Costs

Recreation Complex

Age of Asset  
 Expected Useful Life  
 Remaining Life  
 Interest Rate for Capital Expenditures  
 Amortization Period for Loan  
 Percentage of Total Capital for Financing

0	yrs
45	yrs
45	yrs
0.0%	applies to system capital renewals during asset lifecycle
30	yrs
0%	

\$ -	Loan Principal
\$ 14,663,326.00	Downpayment
\$ -	Total Interest
\$ -	Annualized Interest over Loan Term

**Capital Cost for Initial Acquisition of Asset**  
 Construction  
 Site work and Landscaping  
 Infrastructure Servicing  
 Commissioning  
 Staff Training  
 Land Costs  
 Furnishings  
 Legal  
 Architectural Engineering  
 Environmental  
 Archaeological  
 Project Administration  
**TOTAL INITIAL CAPITAL COST**

\$ 14,663,326.00
<b>\$ 14,663,326.00</b>

**Asset Annual Operation and Maintenance (O&M)**  
 Staffing  
 Electricity  
 Natural Gas/Diesel  
 Water/Sewer  
 Telephone  
 Office Expenses  
 Lease Expenses  
 Chemicals and Other Cleaning Supplies  
 Solid Waste and Recycling  
 Building Maintenance and Repairs  
 Site and Landscape Maintenance  
 Spare Parts Procurement and Storage  
 Contracted Services  
 Security  
 Maintenance Equipment  
 Administration and Overhead  
 Facility Insurance and Legal Costs  
**TOTAL ANNUAL O&M COST**

\$ 265,156.00
\$ 64,632.63
\$ 69,100.00
\$ -
\$ 6,084.00
\$ -
\$ 31,692.00
\$ -
\$ 4,560.00
\$ -
\$ 76,862.00
<b>\$ 518,086.63</b>

**Program/Service Delivery**  
 Activities and Programs  
 Program Staff Labour  
 Program Staff Training  
 Administration  
 Licensing  
 Program Insurance and legal  
**TOTAL ANNUAL COST FOR PROGRAM/SERVICES**

\$ 222,889.00
\$ 390,646.00
\$ 12,369.00
\$ -
\$ -
\$ -
<b>\$ 625,894.00</b>

**System Renewals During Asset Lifecycle**  
 Roof cover assembly  
 Exterior finishes  
 Interior finishes  
 Furnishings  
 Communications and Data Systems  
 Security and Alarm Systems  
 Electrical and Lighting Systems  
 HVAC and Mechanical Systems  
 Doors and Windows  
**TOTAL SYSTEM RENEWALS COST**

	Renewal Frequency	Renewals in Asset Life	Cost per Year
\$ 586,533.04	80	0	\$ -
\$ 586,533.04	40	1.125	\$ 14,663.33
\$ 2,199,498.90	20	2.25	\$ 109,974.95
\$ 733,166.30	20	2.25	\$ 36,658.32
\$ 1,759,599.12	20	2.25	\$ 87,979.96
\$ 1,466,332.60	20	2.25	\$ 73,316.63
\$ 1,759,599.12	40	1.125	\$ 43,989.98
\$ 2,932,665.20	40	1.125	\$ 73,316.63
\$ 586,533.04	50	0	\$ -
<b>\$ 12,610,460.36</b>			<b>\$ 439,899.78</b>

**Indirect Lifecycle & Risk Costs**  
 Environmental impacts & risks  
 Greenhouse gas emissions  
 Safety risks

\$ -
\$ -
\$ -
<b>\$ -</b>

