

20-Year Life Cycle Cost Summary Worksheet

Instructions: Fill In Yellow Cells

Year of Proposed Construction (Year X):	0	<ENTER 4-digit year
Horsepower of Pumps Required in Lift Station:	0	
Insert "1" for Private Development, Insert "2" for Public Project:	0	
Study Period (years):	20	
Construction Inflation (5-year ENCR):	3.40%	
Yearly Power Cost Increase:	4.30%	
Yearly Labor Cost Increase:	2.94%	
Discount Rate Used (5-year CPI):	2.23%	

Notes:

1. Construction inflation based on Published "ENR Cost Indexing" 2005-2010.
2. Yearly power cost increase based on BLS 5-year Industrial Electric Power Rates 2005-2010 published by Produce Price Index.
3. Yearly labor cost increase based on BLS: Employment Cost Index: " Total Compensation, Private Industry, Construction" 2005-2010.
4. Discount rate based on BLS: Consumer Price Index: "All Urban Consumers - (CPI-U) U.S. City average; All Items" 2005-2010.

GRAVITY SEWER LIFE CYCLE COST

Item	2010 Present Worth	$F_{YEAR X}/P_{2010}$ Factor	Year X Value at Time of Construction
Construction and Capital Costs	\$ -	0.00	\$ -
Maintenance Costs	\$ -	0.00	\$ -
Power Costs	\$ -	0.00	\$ -
Remaining Useful Life Value	\$ -	0.00	\$ -
TOTAL YEAR X GRAVITY SEWER PRESENT WORTH			\$ -

LIFT STATION AND FORCE MAIN LIFE CYCLE COST

Item	2010 Present Worth	$F_{YEAR X}/P_{2010}$ Factor	Year X Value at Time of Construction
Construction and Capital Costs	\$ 187,000	0.00	\$ 0
Power Costs	\$ 9,000	0.00	\$ 0
Yearly Lift Station Maintenance Costs	\$ 89,000	0.00	\$ 0
Capital Improvement Costs	\$ 75,000	0.00	\$ 0
Onsite Gravity Sewer Maintenance Costs	\$ -	0.00	\$ -
Remaining Useful Life Value	\$ (93,500)	0.00	\$ (0)
TOTAL YEAR X LIFT STATION AND FORCE MAIN PRESENT WORTH			\$ -

GRINDER STATIONS AND LOW PRESSURE SEWER LIFE CYCLE COST

Item	2010 Present Worth	$F_{YEAR X}/P_{2010}$ Factor	Year X Value at Time of Construction
Construction and Capital Costs	\$ -	0.00	\$ -
Grinder Station Maintenance Costs	\$ -	0.00	\$ -
Low Pressure Sewer Maintenance Costs	\$ 43,000	0.00	\$ 0
Remaining Useful Life Value	\$ -	0.00	\$ -
TOTAL YEAR X GRINDERS & LOW PRESSURE SEWER PRESENT WORTH			\$ -
<i>Grinder Stations Power Costs</i>	\$ -	0.00	\$ -

Note: Cost converted from 2010 to Year X using the yearly increase rates for construction, power, and labor for construction, power and O&M respectively. Positive values indicate costs.