

**20-Year Life Cycle Cost Summary Worksheet**

**Instructions: Fill In Yellow Cells**

Year of Proposed Construction (Year X):		<ENTER 4-digit year
Horsepower of Pumps Required in Lift Station:		
Insert "1" for Private Development, Insert "2" for Public Project:		
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	$F_{\text{YEAR X}/P_{2010}}$ 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	\$ -
<b>TOTAL YEAR X GRAVITY SEWER PRESENT WORTH</b>	<b>\$ -</b>		<b>\$ -</b>

**LIFT STATION AND FORCE MAIN LIFE CYCLE COST**

Item	2010 Present Worth	$F_{\text{YEAR X}/P_{2010}}$ 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)
<b>TOTAL YEAR X LIFT STATION AND FORCE MAIN PRESENT WORTH</b>	<b>\$ -</b>		<b>\$ -</b>