

COMPANY NAME	City of Asbury	DATE CONDUCTED	12/3/2020
PROPOSED PRODUCT/INITIATIVE/SERVICE	Splashpad transition to flow-through	COMPLETED BY	Blaine A. Telford

5 YEAR COST ANALYSIS	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL
FLOW THROUGH COSTS						
PLC and HMI Reprogramming	\$ 4,200.00					\$ 4,200.00
Reduced Pressure Zone Backflow Assembly	\$ 2,318.00					\$ 2,318.00
4" Pressure Reducing Valve	\$ 2,165.00					\$ 2,165.00
4" Ultrasonic Water Meter	\$ 1,040.00					\$ 1,040.00
4" Saddle Tap	\$ 150.00					\$ 150.00
Schedule 80 PVC Pipe and Fittings	\$ 500.00					\$ 500.00
Approx. 8 Hours Labor for Install@ \$100.00/HR	\$ 800.00					\$ 800.00
						\$ -
Public Works Dept. Labor (.5 hrs/day for 90 days)	\$ 1,525.00	\$ 1,570.00	\$ 1,617.00	\$ 1,665.00	\$ 1,715.00	\$ 8,092.00
						\$ -
Approx. 6,000,000 gallons of water use per year	\$ 16,800.00	\$ 16,800.00	\$ 16,800.00	\$ 16,800.00	\$ 16,800.00	\$ 84,000.00
						\$ -
Added Benefits from Flow-through						\$ -
- Flexibility in hours open						\$ -
- No additional water testing						\$ -
- No need to have CPO's						\$ -
- Assist with summer time water system turnover						\$ -
- Decrease in water system water age						\$ -
						\$ -
TOTAL FLOW THROUGH COSTS	\$ 29,498.00	\$ 18,370.00	\$ 18,417.00	\$ 18,465.00	\$ 18,515.00	\$ 103,265.00

CURRENT SYSTEM COSTS						
Water Treatment Chemicals	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 7,500.00
Chemical Feed Pumps and Tubes	\$ 85.00	\$ 85.00	\$ 1,085.00	\$ 85.00	\$ 85.00	\$ 1,425.00
Water Testing Equipment and Reagents	\$ 240.00	\$ 240.00	\$ 240.00	\$ 240.00	\$ 240.00	\$ 1,200.00
Instrumentation (ORP and pH)	\$ 510.00	\$ 510.00	\$ 510.00	\$ 510.00	\$ 510.00	\$ 2,550.00
Chemical Scales (2 required)	\$ 750.00					\$ 750.00
Certified Pool Operator Licensing (2 Required)	\$ 1,500.00				\$ 1,500.00	\$ 3,000.00
Approx. 150,000 gal water use per year	\$ 420.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 2,100.00
Public Works Dept Labor (1.5 hrs/day for 90 days)	\$ 3,775.00	\$ 3,888.00	\$ 4,004.64	\$ 4,124.00	\$ 4,247.00	\$ 20,038.64
						\$ -
Over-time and part-time labor	\$ 2,000.00	\$ 2,060.00	\$ 2,121.80	\$ 2,185.45	\$ 2,251.02	\$ 10,618.27
						\$ -
TOTAL CURRENT SYSTEM COSTS	\$ 10,780.00	\$ 8,703.00	\$ 9,881.44	\$ 9,064.45	\$ 10,753.02	\$ 49,181.91

TOTAL FLOW THROUGH SAVINGS ON 5 YEARS						\$ (54,083.09)
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