

CAPITAL ESTIMATED COSTS	RECIRCULATION SYSTEM	FLOW THROUGH SYSTEM	DIFFERENCE
TOTAL PROJECT BUDGET	\$ 720,000	\$ 720,000	
Design Costs w/NMGRT	\$ 71,298	\$ 71,298	
Construction Costs w/NMGRT	\$ 587,671	\$ 491,270	
15% Construction Contingency	\$ 88,151	\$ 73,690	
1% APP	\$ 7,200	\$ 7,200	
TOTAL CAPITAL COSTS	\$ 754,320	\$ 643,458	\$ (110,862)
OVER/UNDER BUDGET	\$ (34,320)	\$ 76,542	
OPERATIONS & MAINTENANCE ESTIMATED COSTS	RECIRCULATION SYSTEM	FLOW THROUGH SYSTEM	DIFFERENCE
Year 1			
Sewage Service Rates (6-K Variable Rate)	\$ 3,290	\$ 64,596	
Sewage Service Customer Charge	\$ 141	\$ 141	
Potable Water Consumption Rates (Peak Season)	\$ 912	\$ 17,898	
Potable Water Meter Service Charge (12 months)	\$ 126	\$ 596	
Water Treatment Chemicals	\$ 1,875	\$ -	
Lifefloor Cleaning Products	\$ 900	\$ 900	
CPO Staff Training (2 days)	\$ 300	\$ -	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$ 37,000	\$ 5,000	
TOTAL	\$ 44,544	\$ 89,131	\$ 44,588
Year 2			
Sewage Service Rates (6-K Variable Rate)	\$ 3,388	\$ 66,532	
Sewage Service Customer Charge	\$ 145	\$ 145	
Potable Water Consumption Rates (Peak Season)	\$ 951	\$ 18,673	
Potable Water Meter Service Charge (12 months)	\$ 132	\$ 622	
Water Treatment Chemicals	\$ 2,000	\$ -	
Lifefloor Cleaning Products	\$ 950	\$ 950	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$ 38,480	\$ 5,150	
TOTAL	\$ 46,046	\$ 92,072	\$ 46,026
Year 3			
Sewage Service Rates (6-K Variable Rate)	\$ 3,456	\$ 67,854	
Sewage Service Customer Charge	\$ 148	\$ 148	
Potable Water Consumption Rates (Peak Season)	\$ 989	\$ 19,415	
Potable Water Meter Service Charge (12 months)	\$ 137	\$ 647	
Water Treatment Chemicals	\$ 2,125	\$ -	
Lifefloor Cleaning Products	\$ 1,000	\$ 1,000	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$ 40,019	\$ 5,300	
TOTAL	\$ 47,874	\$ 94,364	\$ 46,490
Year 4			
Sewage Service Rates (6-K Variable Rate)	\$ 3,456	\$ 67,854	
Sewage Service Customer Charge	\$ 148	\$ 148	

Potable Water Consumption Rates (Peak Season)	\$	989	\$	19,415	
Potable Water Meter Service Charge (12 months)	\$	137	\$	647	
Water Treatment Chemicals	\$	2,250	\$	-	
Lifefloor Cleaning Products	\$	1,050	\$	1,050	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$	41,620	\$	5,450	
TOTAL	\$	49,650	\$	94,564	\$ 44,914
Year 5					
Replace feature pump motor	\$	2,500	\$	-	
Replace recirculation pump motor	\$	2,500	\$	-	
Rebuild sand filter	\$	2,500	\$	-	
Sewage Service Rates (6-K Variable Rate)	\$	3,456	\$	67,854	
Sewage Service Customer Charge	\$	148	\$	148	
Potable Water Consumption Rates (Peak Season)	\$	989	\$	19,415	
Potable Water Meter Service Charge (12 months)	\$	137	\$	647	
Water Treatment Chemicals	\$	2,375	\$	-	
Lifefloor Cleaning Products	\$	1,100	\$	1,100	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$	43,285	\$	5,600	
TOTAL	\$	58,990	\$	94,764	\$ 35,774
Year 6					
Sewage Service Rates (6-K Variable Rate)	\$	3,456	\$	67,854	
Sewage Service Customer Charge	\$	148	\$	148	
Potable Water Consumption Rates (Peak Season)	\$	989	\$	19,415	
Potable Water Meter Service Charge (12 months)	\$	137	\$	647	
Water Treatment Chemicals	\$	2,500	\$	-	
Lifefloor Cleaning Products	\$	1,150	\$	1,150	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$	45,016	\$	5,750	
TOTAL	\$	53,396	\$	94,964	\$ 41,567
Year 7					
Sewage Service Rates (6-K Variable Rate)	\$	3,456	\$	67,854	
Sewage Service Customer Charge	\$	148	\$	148	
Potable Water Consumption Rates (Peak Season)	\$	989	\$	19,415	
Potable Water Meter Service Charge (12 months)	\$	137	\$	647	
Water Treatment Chemicals	\$	2,625	\$	-	
Lifefloor Cleaning Products	\$	1,200	\$	1,200	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$	46,817	\$	5,900	
TOTAL	\$	55,371	\$	95,164	\$ 39,792
Year 8					
Sewage Service Rates (6-K Variable Rate)	\$	3,456	\$	67,854	
Sewage Service Customer Charge	\$	148	\$	148	
Potable Water Consumption Rates (Peak Season)	\$	989	\$	19,415	
Potable Water Meter Service Charge (12 months)	\$	137	\$	647	
Water Treatment Chemicals	\$	2,750	\$	-	
Lifefloor Cleaning Products	\$	1,250	\$	1,250	
Staff (Salary, Benefits, OT) CPO vs Non-Certified	\$	48,690	\$	6,050	

	TOTAL	\$	57,419	\$	95,364	\$	37,944
Year 9							
Sewage Service Rates (6-K Variable Rate)		\$	3,456	\$	67,854		
Sewage Service Customer Charge		\$	148	\$	148		
Potable Water Consumption Rates (Peak Season)		\$	989	\$	19,415		
Potable Water Meter Service Charge (12 months)		\$	137	\$	647		
Water Treatment Chemicals		\$	2,875	\$	-		
Lifefloor Cleaning Products		\$	1,300	\$	1,300		
Staff (Salary, Benefits, OT) CPO vs Non-Certified		\$	50,638	\$	6,200		
	TOTAL	\$	59,543	\$	95,564	\$	36,021
Year 10							
Replace feature pump motor		\$	2,500	\$	-		
Replace recirculation pump motor		\$	2,500	\$	-		
Rebuild sand filter		\$	2,500	\$	-		
Sewage Service Rates (6-K Variable Rate)		\$	3,456	\$	67,854		
Sewage Service Customer Charge		\$	148	\$	148		
Potable Water Consumption Rates (Peak Season)		\$	989	\$	19,415		
Potable Water Meter Service Charge (12 months)		\$	137	\$	647		
Water Treatment Chemicals		\$	3,000	\$	-		
Lifefloor Cleaning Products		\$	1,350	\$	1,350		
Staff (Salary, Benefits, OT) CPO vs Non-Certified		\$	52,663	\$	6,350		
	TOTAL	\$	69,243	\$	95,764	\$	26,521
	TOTAL O&M COSTS OVER 10 YEARS	\$	542,075	\$	941,711	\$	399,636
	ESTIMATED costs are based on the assumption that the splash pad is open 15 weeks from Memorial Day to Labor Day (approx. 100 days) and runs for about 6 hours a day at 100 GPM			FIRST 5 Weeks of Season			
	For a recirculation system the existing 1 1/4" supply line and 3/4" meter should produce about 50 GPM at 45 psi., which will be sufficient to maintain water levels and take about an hour to refill the holding tank from empty.			25 (5 hr long) days on weekdays = 25,000 gal/day x 25 = 625,000 gal			

	<p>The average accident rate is 2.5 times per week. When an accident happens in a recirculation system, all the water must be drained out and refilled with fresh clean water. Weekly water use for the recirculation system is calculated based on this assumption and the use of a 2500 gal holding tank. Flow through does not have this issue.</p>	10 (6 hr long) days on weekends = 30,000 gal/day x 10 = 300,000 gal	
	<p>Wage increase for a CPO certified staff member is assumed to be 4% annually.</p>		
	<p>For a flow through system: if the water supply line did not get increased the splash pad would need to have a booster pump installed or be designed to flow at 50 GPM (currently we are designing for 100 GPM so there would be a significantly reduced water flow). If a flow through system is desired at the anticipated 100 GPM, then the water supply line & meter would need to increase to a 1 1/2" or preferably a 2" (Civil/mechanical would need to properly size this line).</p>	REMAINING 10 Weeks of Season	
		50 (6 hr long) days on weekdays = 30,000 gal/day x 50 = 1,500,000 gal	
		20 (8 hr long) days on weekends = 40,000 gal/day x 20 = 800,000 gal	
		TOTAL SEASON WATER USE = 3,225,000 gallons	