Piers Island Improvement District Capital Asset Planning Workbook

10 Year Cashflow Projection by Capital Reserve Fund

PIID Buildings and Lands Capital Asset Reserve Fund

				Inflation What-if Calculations...										
				Compound line	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*	*1*
				Inflation	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*	*0%*
Category	**Asset**	**Total**	**Estimated Replacement year**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
Fire Hall Structure	Fire Hall Structure External	$ 260,000.00	2073											
Fire Hall Structure	Fire Hall Structure Internal	$ 22,000.00	2043											
Fire Hall Structure	Foundation	$ 30,000.00	2073											
Fire Hall Structure	Roof (metal)	$ 30,000.00	2033											
Fire Hall Structure	Finishings	$ 14,000.00	2033											
Fire Hall Structure	Electric (wiring, heating, lighting)	$ 20,000.00	2043											
Fire Hall Structure	Overhead Doors	$ 10,000.00	2043											
Fire Hall Structure	Doors and windows	$ 10,000.00	2043											
Fire Hall Structure	Kitchen appliances	$ 6,000.00	2020						$ 6,000.00					
Fire Hall Structure	Utilities - Water hookup, plumbing, septic	$ 15,000.00	2043											
Old Fire Hall	Old Fire Hall Structure External	$ 14,000.00	2030											
Old Fire Hall	Old Fire Hall Structure Internal	$ 5,000.00	2030											
Old Fire Hall	Foundation	$ 6,000.00	2030											
Old Fire Hall	Roof (metal)	$ 6,000.00	2030											
Old Fire Hall	Finishings	$ 1,000.00	2030											
Old Fire Hall	Electric (wiring, heating, lighting)	$ 4,000.00	2030											
Old Fire Hall	Doors and windows	$ 2,000.00	2030											
Old Fire Hall	Bathroom and fittings	$ 5,000.00	2030											
Old Fire Hall	Utilities - Water hookup, plumbing, septic	$ 3,000.00	2030											
Other Assets	Dolphin Road Compound Fencing & Gates	$ 30,000.00	2028											
Other Assets	Dolphin Road Compound Lighting/Electrical	$ 9,000.00	2040											
Other Assets	Dolphin Road Shed & Ramp	$ 10,000.00	2028											
Other Assets	McKenzie Cres. Roadbed & Drainage	$ -	0											
Other Assets	Public Dock & Access	$ -	0											
	Major Structures Asset Replacement Totals			$ -	$ -	$ -	$ -	$ -	$ 6,000.00	$ -	$ -	$ -	$ -	$ -
	Major Structures Capital Reserve Fund Opening Balance			$ -	$ 9,243.33	$ 18,486.67	$ 27,730.00	$ 36,973.33	$ 46,216.67	$ 49,460.00	$ 58,703.33	$ 67,946.67	$ 77,190.00	$ 86,433.33
	Capital Fund Inputs			$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33
	Capital Fund Net Change			$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 3,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33	$ 9,243.33
	Major Structures Capital Reserve Fund End Balance			***9,243.33***	***18,486.67***	***27,730.00***	***36,973.33***	***46,216.67***	***49,460.00***	***58,703.33***	***67,946.67***	***77,190.00***	***86,433.33***	***95,676.67***

PIVFD Vehicles and Major Equipment Capital Reserve Fund

Category	**Asset**	**Total**	**Estimated Replacement year**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
PIVFD Equipment	Large Portable Pumps	$ 20,000.00	2027											
PIVFD Equipment	Small Portable Pumps	$ 10,000.00	2018				$ 10,000.00							
PIVFD Equipment	SCBA (Breathing Apparatus)	$ 20,000.00	2025											$ 20,000.00
PIVFD Equipment	Pumper/Tanker	$ 70,000.00	2022								$ 70,000.00			
PIVFD Equipment	4 x 4 Fire/Rescue	$ 130,000.00	2020						$ 130,000.00					
PIVFD Equipment	Golf cart/command	$ 7,000.00	2018				$ 7,000.00							
PIVFD Equipment	Ambulance - Type IV	$ 25,000.00	2017			$ 25,000.00								
PIVFD Equipment	Tractor & Attachments	$ 44,000.00	2023									$ 44,000.00		
PIVFD Equipment	Large Generator	$ 25,000.00	2029											
PIVFD Equipment	911 Systems, wiring and Sirens	$ 20,000.00	2030											
PIVFD Equipment	Miscellaneous Emergency Equip	$ 5,000.00	2017			$ 5,000.00								
	PIVFD Asset Replacement Totals			**$ -**	**$ -**	**$ 30,000.00**	**$ 17,000.00**	**$ -**	**$ 130,000.00**	**$ -**	**$ 70,000.00**	**$ 44,000.00**	**$ -**	**$ 20,000.00**
	PIVFD Capital Reserve Fund Opening Balance			$ 54,000.00	$ 70,458.33	$ 86,916.67	$ 73,375.00	$ 72,833.33	$ 89,291.67	-$ 24,250.00	-$ 7,791.67	-$ 61,333.33	-$ 88,875.00	-$ 72,416.67
	Capital Fund Inputs			$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33	$ 16,458.33
	Capital Fund Net Change			$ 16,458.33	$ 16,458.33	-$ 13,541.67	-$ 541.67	$ 16,458.33	-$ 113,541.67	$ 16,458.33	-$ 53,541.67	-$ 27,541.67	$ 16,458.33	-$ 3,541.67
	PIVFD Capital Reserve Fund End Balance			***70,458.33***	***86,916.67***	***73,375.00***	***72,833.33***	***89,291.67***	***(24,250.00)***	***(7,791.67)***	***(61,333.33)***	***(88,875.00)***	***(72,416.67)***	***(75,958.33)***

Domestic Potable Water System Reserve Fund

Category	**Asset**	**Total**	**Estimated Replacement year**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**
Water System	Piers Road Vault, Valve & Meter	$ 3,000.00	2032											
Water System	Piers Road Supply Line (100m 3")	$ 40,000.00	2052											

Water System	Marine Line (1400m 2"PE)	$ 50,000.00	2048											
Water System	Marine Line (1400m 1 5/8" PE)	$ 50,000.00	2048											
Water System	Distribution Line & Valves (3500m 3" PVC)	$ 788,000.00	2052											
Water System	Service Connections (123 @ 3/4")	$ 92,000.00	2052											
Water System	Service Meters (123)	$ 30,000.00	2039											
Water System	Standpipes (21@ 2" Incl 1@2"-3")	$ 38,000.00	2048											
Water System	Pump House #1, Structure & Piping	$ 15,000.00	2068											
Water System	Pump House #2, Structure & Piping	$ 15,000.00	2069											
Water System	Pump House #2, Chlorination System	$ 27,000.00	2029											
Water System	Pump House #3, Structure & Piping	$ 10,000.00	2032											
Water System	Pump House #3, Disinfection Equipment	$ 15,000.00	2035											
Water System	Wooden Storage Tank (40,000 gal)	$ 220,000.00	2022								$ 220,000.00			
Water System	Tank Supply Line (140m 4" PVC)	$ 36,000.00	2052											
Water System	Electrical Contol System	$ 8,500.00	2022								$ 8,500.00			
Water System	Upper & Lower Resevoir Fencing	$ 35,000.00	2041											
Water System	Upper & Lower Resevoir Platforms	$ 8,000.00	2018				$ 8,000.00							
Water System	Lower Resevoir Hydrant	$ 16,000.00	2094											
Water System	Air Valves	$ 15,000.00	2048											
Water System	Golf Cart	$ 7,000.00	2027											
	Domestic Potable Water System Asset Replacement Totals			**$ -**	**$ -**	**$ -**	**$ 8,000.00**	**$ -**	**$ -**	**$ -**	**$ 228,500.00**	**$ -**	**$ -**	**$ -**
	Domestic Potable Water System Capital Reserve Fund Opening Balance			$ 169,000.00	$ 195,678.33	$ 222,356.67	$ 249,035.00	$ 267,713.33	$ 294,391.67	$ 321,070.00	$ 347,748.33	$ 145,926.67	$ 172,605.00	$ 199,283.33
	Capital Fund Inputs			$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33
	Capital Fund Net Change			$ 26,678.33	$ 26,678.33	$ 26,678.33	$ 18,678.33	$ 26,678.33	$ 26,678.33	$ 26,678.33	-$ 201,821.67	$ 26,678.33	$ 26,678.33	$ 26,678.33
	Domestic Potable Water System Capital Reserve Fund End Balance			***195,678.33***	***222,356.67***	***249,035.00***	***267,713.33***	***294,391.67***	***321,070.00***	***347,748.33***	***145,926.67***	***172,605.00***	***199,283.33***	***225,961.67***