

APPENDIX C

Water Utility Asset Improvement Projects (2024 – 2028)

Table C1 – Water Utility Asset Improvement Summarized Projects, including 2023 Budget for reference:

Water Utility Fund - Asset Improvement Financial Plan							
Infrastructure Renewal	2023 Budget	2024 Budget	2025 Budget	5 - Year Financial Plan			5 Year Total Budget
				2026 Budget	2027 Budget	2028 Budget	
Coordinated with Road Works	\$ 675,000	\$ 90,000	\$ 208,000	\$ 282,000	\$ 366,000	\$ 111,000	\$ 1,057,000
Wells	1,842,000	1,105,000	110,000	110,000	110,000	110,000	1,545,000
Reservoirs	173,000	30,000	66,000	66,000	66,000	66,000	294,000
Treatment Plant	100,000	-	-	-	-	-	-
Water Mains	1,629,000	575,000	550,000	1,001,000	872,000	650,000	3,648,000
Pumps & Valves	75,000	-	-	-	-	750,000	750,000
Meters	64,000	75,000	75,000	75,000	75,000	75,000	375,000
Hydrants	55,000	55,000	55,000	55,000	55,000	55,000	275,000
Vehicles & Equipment	65,000	130,000	-	-	86,000	-	216,000
Technology & Other	576,000	90,000	120,000	150,000	80,000	100,000	540,000
Contingency	42,000	400,000	450,000	450,000	500,000	500,000	2,300,000
Total	\$ 5,296,000	\$ 2,550,000	\$ 1,634,000	\$ 2,189,000	\$ 2,210,000	\$ 2,417,000	\$ 11,000,000

Table C2 – Water Utility Asset Improvement Funding Sources, including 2023 Funding Sources for reference:

Water Utility Fund - Asset Improvement Financial Plan							
Funding Sources	2023 Budget	2024 Budget	2025 Budget	5 - Year Financial Plan			5 Year Total Budget
				2026 Budget	2027 Budget	2028 Budget	
Water Development Cost Charges	\$ 30,000	\$ -	\$ -	\$ 20,000	\$ -	\$ 113,000	\$ 133,000
Water Fund Infrastructure Reserve	5,109,900	2,338,400	1,515,000	2,069,000	2,047,100	2,142,900	10,112,400
Equipment Replacement Reserve	49,900	111,600	-	-	62,900	-	174,500
Contributions	106,200	100,000	119,000	100,000	100,000	161,100	580,100
Total	\$ 5,296,000	\$ 2,550,000	\$ 1,634,000	\$ 2,189,000	\$ 2,210,000	\$ 2,417,000	\$ 11,000,000

Table C3 – Water Utility, Projects Coordinated with Roadworks:

Coordinated with Road Works	2023 Budget	2024 Budget	2025 Budget	5 - Year Financial Plan			5 Year Total Budget
				2026 Budget	2027 Budget	2028 Budget	
Johnston - Russell to Thrift	\$ 610,000	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Johnston - Thrift to Roper	-	-	126,000	200,000	200,000	-	526,000
Johnston - Pacific to Columbia	-	-	82,000	82,000	166,000	-	330,000
Blackburn Crescent - Archibald to High	65,000	-	-	-	-	-	-
Martin - Buena Vista to Victoria	-	-	-	-	-	111,000	111,000

Table C4 – Water Utility, Well projects:

Wells	2023 Budget	5 - Year Financial Plan					5 Year Total Budget
		2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	
New Oxford Well #5 (Well #3 Replacement)	\$ 1,764,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000
High Street Well #4 Stabilization	-	200,000	-	-	-	-	200,000
Well Upgrades	75,000	105,000	110,000	110,000	110,000	110,000	545,000
Well Controller Upgrades	3,000	-	-	-	-	-	-

Table C5 – Water Utility, Reservoir projects:

Reservoirs	2023 Budget	5 - Year Financial Plan					5 Year Total Budget
		2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	
Roper Reservoir Building Exterior Improvements	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Reservoir Cleaning Program	93,000	-	36,000	36,000	36,000	36,000	144,000
Cross Connection Control	-	30,000	30,000	30,000	30,000	30,000	150,000

Table C6 – Water Utility, Treatment Plant projects:

Treatment Plant	2023 Budget	5 - Year Financial Plan					5 Year Total Budget
		2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	
Water Treatment Plant E33 Regeneration Tanks	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Water Treatment Plant Storage Tank	50,000	-	-	-	-	-	-

Table C7 – Water Utility, Water Main projects:

Water Mains	2023 Budget	5 - Year Financial Plan					5 Year Total Budget
		2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	
Water Main Upgrade - Goggs Oxford to WTP	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
Water Main Upgrade - Surrey Emergency Connection	301,000	-	-	-	-	-	-
Water Main Upgrade - Coldicutt Chestnut to Lancaster	900,000	-	-	-	-	-	-
Water Main Upgrade - Martin - Roper to Thrift	-	-	-	-	-	650,000	650,000
Water Main Upgrade - Columbia Lane Cypress to Ash	-	-	550,000	-	-	-	550,000
Water Main Upgrade - North Bluff - Oxford to Overall	-	-	-	-	475,000	-	475,000
Water Main Upgrade - Oxford/MacDonald	-	50,000	-	-	-	-	50,000
Water Main Upgrade - Cypress - Pacific Lane to Royal	428,000	-	-	-	-	-	-
Water Main Upgrade - Pacific Ave Cypress to Balsam & Pacific Lane	-	-	-	541,000	-	-	541,000
Water Main Upgrade - Balsam Pacific Lane to Royal	-	-	-	-	397,000	-	397,000
Oxford - Vine to Goggs	-	263,000	-	-	-	-	263,000
Vine - Goggs to Water Treatment Plant	-	262,000	-	-	-	-	262,000
Water Main - Cast Iron Condition Assessment	-	-	-	160,000	-	-	160,000

Table C8 – Water Utility, Pump & Valve projects:

Pumps & Valves	2023 Budget	5 - Year Financial Plan					5 Year Total Budget
		2024 Budget	2025 Budget	2026 Budget	2027 Budget	2028 Budget	
Overall Street PRV Station	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ 750,000
Oxford Pumphouse HVAC	75,000	-	-	-	-	-	-

Table C9 – Water Utility, Hydrants & Meters:

Hydrants & Meters	2023	2024	2025	5 - Year Financial Plan			5 Year Total
	Budget	Budget	Budget	2026	2027	2028	
Fire Hydrants	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 275,000
Water Meters	64,000	75,000	75,000	75,000	75,000	75,000	375,000

Table C10 – Water Utility, Vehicles & Equipment:

Vehicles & Equipment	2023	2024	2025	5 - Year Financial Plan			5 Year Total
	Budget	Budget	Budget	2026	2027	2028	
Replace Ford F150 Crew Cab 4X4 Unit #362	\$ -	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Replace Ford F150 2wd Unit #363	65,000	-	-	-	-	-	-
Replace Ford F250 Crew Cab 4X4 Unit #364	-	65,000	-	-	-	-	65,000
Replace Colorado Extended Cab 4WD Unit #360	-	-	-	-	86,000	-	86,000

Table C11 – Water Utility, Technology & Other:

Technology & Other	2023	2024	2025	5 - Year Financial Plan			5 Year Total
	Budget	Budget	Budget	2026	2027	2028	
BC Hydro Transformer Replacement	\$ 358,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cast Iron Pipe Replacement Program	-	50,000	40,000	40,000	40,000	40,000	210,000
Chemical Room Jib Crane	30,000	-	-	-	-	-	-
Merklin Pump House Roof Repair	23,000	-	-	-	-	-	-
Ageing Infrastructure Analysis	-	-	-	50,000	-	-	50,000
Engineering Design Specifications Document	-	-	40,000	-	-	-	40,000
Water Master Plan Update	100,000	-	-	-	-	-	-
Development Coordinated Works	15,000	15,000	15,000	15,000	15,000	15,000	75,000
DCC Bylaw Review	30,000	-	-	20,000	-	20,000	40,000
Information Technology Infrastructure Replacement/Upgrades	20,000	25,000	25,000	25,000	25,000	25,000	125,000

Table C12 – Water Utility, Contingency:

Contingency	2023	2024	2025	5 - Year Financial Plan			5 Year Total
	Budget	Budget	Budget	2026	2027	2028	
Capital Contingency	\$ 42,000	\$ 400,000	\$ 450,000	\$ 450,000	\$ 500,000	\$ 500,000	\$ 2,300,000