

**Greater Vernon Water
2017 Master Water Plan 25-Year Capital Plan**

Project	Project Description	25 Year Total	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
1	SW Vernon Pressure (PZ431) Zone Reservoir	\$ 549,851	549,851																								
2	Headgates Dam Improvements - Construction Phase	\$ 1,385,015	1,385,015																								
3	BX - Elec/PS upgrade design study	\$ 30,633	30,633																								
4	30 St - Hwy 6 to 37 Ave - Engineering	\$ 60,000	60,000																								
5	Venables Way : Aberdeen to Middleton - Upgrade watermain	\$ 252,063	252,063																								
6	Remove DND reservoir - replace with PRV	\$ 568,840	568,840																								
7	Raising Kal Intake by 3 m	\$ 118,350	118,350																								
8	Dallas Road watermain	\$ 116,000	116,000																								
9	Aberdeen Low Level outlet	\$ 333,138	333,138																								
10	Kal Lake Road Giles Drive to Howe Drive pipe replacement	\$ 752,202	752,202																								
11	VER - 30 ST - HWY 6 TO 30 AVE	\$ 17,249	17,249																								
12	VER - 28 AVE - 29 ST TO 30 ST	\$ 165,000	165,000																								
13	VER - 29 AVE - 29 ST TO 30 ST	\$ 109,321	109,321																								
14	OK1 pump station improvements	\$ 18,173	18,173																								
15	PRV - Silver Star and E Dedecker Rd	\$ 284,481	284,481																								
16	Highway # 6 Watermain from Ricardo east to King Edward FSR	\$ 226,980	226,980																								
17	Juniper Drive	\$ 50,000	50,000																								
18	35 St - 28 Ave to 30 Ave - CoV	\$ 190,000	190,000																								
19	35 Ave - 24 St to 27 St - CoV	\$ 300,000	300,000																								
20	29 Ave - 30 St to 32 St - CoV	\$ 280,000	280,000																								
21	30 St - 30 Ave to 34 Ave - CoV	\$ 195,000	195,000																								
22	School Rd - South from Hwy 6	\$ 190,000	190,000																								
23	Kal Lake Rd - Coldstream to 14 Ave - CoV	\$ 20,000	20,000																								
24	DCWTP - UV Installation	\$ 7,000,000	7,000,000																								
25	Howe Drive - Kal Rd to North of Howe Dr	\$ 240,000	240,000																								
26	Oversize Water Main - Boss Creek Development	\$ 85,000	85,000																								
27	Hwy 6 - King Ed FSR to Vimy Rd	\$ 920,000	920,000																								
28	Replace PU's # 04 - 2000 Ford Pickup & #03 - 99 Chev - Silverado	\$ 80,000	80,000																								
29	Replace Ranch Well #1 plus new pumphouse	\$ 365,000	365,000																								
30	North Swan Lake Reservoir	\$ 200,000	200,000																								
31	42 Ave - 35A St to Alexis Park Dr	\$ 260,000	260,000																								
32	Kalavista Rd - Kalamalka Rd to south side of lagoon	\$ 580,000	580,000																								
33	SCADA/Electrical at BX & Swan Lk Area Pump Stations	\$ 60,000	60,000																								
34	Kal Lake PS Meter	\$ 25,000	25,000																								
35	SRWs for Water Quality Loops	\$ 60,000	60,000																								
36	Star Road to Marmot Court	\$ 360,000	360,000																								
37	Installation of 2 Kiosks to eliminate confined spaces	\$ 60,000	60,000																								
38	Anderson Land Purchase	\$ 450,000	450,000																								
39	Capital Project Contingency	\$ 8,750,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
40	Water meter replacement program & remote reads	\$ 900,000		300,000	300,000	300,000																					
41	Radio Transmitters in GVW Service Area	\$ 1,092,841	442,841		325,000	325,000																					
42	Meter replacement Program - Domestic/ICI	\$ 11,507,133	707,133	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000	450,000
43	Pipe oversizing for growth and development	\$ 2,400,000		100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
44	Vehicle Replacements	\$ 560,000		40,000	40,000	40,000	40,000	40,000	40,000			40,000		40,000		40,000		40,000		40,000		40,000		40,000		40,000	
45	Duteau Creek WTP UV Treatment Study	\$ 50,000		50,000																							
46	Duteau Creek WTP Chlorine Mgmt of THMs	\$ 400,000			200,000	200,000																					
49	Mission Hill WTP Filtration Predesign	\$ 300,000					300,000																				
50	Mission Hill WTP Filtration Engineering	\$ 3,312,000						3,312,000																			
51	Mission Hill WTP Filtration Construction	\$ 29,810,000							29,810,000																		
52	Aberdeen Dam Improvements	\$ 6,978,000									6,978,000																
53	Goose Lake Supply from Okanagan Lake	\$ 3,312,000																									3,312,000
54	Gold-Paradise Extension	\$ 3,975,000																			3,975,000						
55	PZ431 SW Vernon Reservoir	\$ 1,600,000		1,600,000																							
56	Electrical and Controls Upgrades on Combined Service Pump Stations	\$ 2,650,000			2,650,000																						
57	Learnmouth Drive Watermain (Incl School Rd Watermain)	\$ 585,000				585,000																					
58	Kalamalka Lake Pump Station Upgrade - Add Jockey pump first/250hp pu	\$ 276,000																276,000									
59	Supply Main Twinning from Kal Lake to Mission Hill WTP	\$ 1,082,000											1,082,000														
60	McMechan Reservoir Dedicated Supply Main	\$ 1,910,000																									
61	Lavington System Separation - van Kyserlink PS to Reid Rd/Learnmouth F	\$ 6,624,000																									
62	Lavington System Separation - West of Reid Rd & Learnmouth Rd - Multiple	\$ 26,760,000																									
63	Algae control on Goose Lake - ultrasonic/solarbee	\$ 1,600,000				1,600,000																					
64	Pleasant Valley and Elmwood Roads	\$ 916,000		916,000																							
65	Silver Star Road	\$ 728,000			728,000																						
66	Okanagan Avenue	\$ 1,353,000																									
67	Easement North of Kal Lake	\$ 260,000																									
68	Scott Road - Main	\$ 312,000																									
69	Construct PRV at BX Fire Hall	\$ 250,000		250,000																							
70	Foothills: PZ 665 Reservoir	\$ 416,000											416,000														
71	Eastside Road	\$ 3,433,000																									
72	North Swan Lake Reservoir Construction/Oversizing	\$ 2,200,000		2,200,000																							
73	Watermain: 580m of 200mm supply pipe on Glenhayes Road	\$ 300,000		300,000																							
74	3rd Well at Coldstream Ranch	\$ 130,000																									
75	Highway # 6 Watermain from Murphy Road to Brewer Road - Phase 6	\$ 312,000		312,000																							
76	Highway # 6 Watermain from 6884 Hwy 6 to School Road - Phase 7	\$ 702,000			702,000																						
77	Highway # 6 Watermain from Brewer Road to 6884 Hwy 6 - Phase 8	\$ 520,000																									
78	School Road: Hwy 6 to south side of railway tracks - Phase 9	\$ 260,000				260,000																					
79	Complete 750mm trunk watermain between Kal PS and MHWTP	\$ 1,325,000																									