

Cost Comparison and Summary

Based on 2/3 senior government capital funding, the following comparison of estimated costs is for wastewater servicing to property line and excludes private and strata land connections and collections systems

Description	Total Capital	Connection Fee/SFU	SFU Cost	Annual SFU Sewer Rate	Total Annual SFU Cost	Total Annual Cost per SFU with 18% OBWB Funding
Gallagher Lake to OIB WWTP	\$237,000	\$6,000	\$6,444	\$442	\$958	\$865
Gallagher Lake to OK Falls WWTP	\$2,752,000	N/A	\$5,154	\$976	\$1,388	\$1,314
Gallagher Lake to Oliver WWTP	\$3,189,000	\$857	\$6,829	\$506	\$1,052	\$954
Gallagher Lake to Satellite WWTP	\$5,144,000	N/A	\$9,633	\$1,124	\$1,895	\$1,756
Vaseux Lake to OIB WWTP via Gallagher	\$3,223,000	\$6,000	\$22,528	\$945	\$2,747	\$2,423
Vaseux Lake to OK Falls WWTP	\$3,873,000	N/A	\$19,862	\$1,408	\$2,997	\$2,711
Vaseux Lake to Oliver WWTP	\$5,589,000	\$857	\$29,519	\$1,148	\$3,510	\$3,084
Vaseux Lake Satellite WWTP	\$5,893,000	N/A	\$30,221	\$3,077	\$5,495	\$5,059

Notes (*)

- Assumes a 20 year amortized period for the capital expenditure and 5% interest rate over the 20-year period
- Excludes costs related to private, strata land and internal campground connections and collections systems
- Costs in 2011 dollars and excludes annual sewer rate increases
- Includes 2/3 senior government funding for capital expenditures
- Includes 18% Okanagan Basin Water Board (OBWB) funding on remaining capital balance

Household Costs for a Residential Gravity Connection

Item	Unit	Quantity	Cost/Unit	Total Cost
1.) 100mm diameter gravity pipe from home to inspection chamber at property line (includes average 1.5m trench depth, bedding and backfill)	M	30	\$100	\$3,000
2.) Fittings	Allowance	1	\$200	\$200
3.) Landscape restoration (grass sod)	m ²	50	\$6	\$300
4.) 100mm clean-out	each	1	\$250	\$250
5.) 100mm flap gate for back flow prevention	each	1	\$250	\$250
6.) Disconnect and pump-out existing septic tank and back-fill with sand for decommissioning	each	1	\$500	\$500
Total (w/o HST)				\$4,500

Mobile Home Park On-Site Conceptual Estimates

Item	Unit	Quantity	Cost/Unit	Total Cost
1.) 100mm diameter gravity sewer service from home to common sewer collection main (includes average 1.5m trench depth, bedding and backfill)	m	3,000	\$100	\$300,000
2.) Fittings	each	136	\$200	\$27,200
3.) Landscape restoration (grass sod)	m ²	2,500	\$6	\$15,000
4.) Roadway restoration (granular base course, prime coat and 50 mm depth asphalt)	m ²	4,500	\$40	\$180,000
4.) 100mm clean-out	each	136	\$250	\$34,000
5.) 100mm flap gate for back flow prevention	each	136	\$250	\$34,000
6.) Disconnect and pump-out existing septic tank and back-fill with sand for decommissioning	each	136	\$500	\$68,000
7.) 200 mm diameter gravity sewer main (includes average 2.5m trench depth, bedding and backfill)	m	1,500	\$200	\$300,000
8.) 1,200 diameter sewer manhole (includes base, frame and cover)	v.m.	50	\$1,200	\$60,000
9.) Lift station	LS	1	\$150,000	\$150,000
10.) 75 mm sewer forcemain from lift station to property line	m	300	\$100	\$30,000
Sub-Total				\$1,198,200
Engineering and Contingency				\$300,000
Total (w/o HST)				\$1,498,200
Cost Per Unit				\$11,000