

							Cost Contribution			
Component	Tota	Total Cost	Cost a	Cost after %50 Grant	Township Cost	Cost	Grey Rd 1 and Mt. Pleasant Dr.	30th St. West and Edmonstone St.	Pottawatomi Village	Total
Watermain A	₩	1,660,000	\$ (830,000	↔	1	\$346,700	\$361,300	\$122,000	\$830,000
Watermain B	∽	875,000	\$	437,500	⋄	219,000	0\$			\$437,500
Watermain C	ςs.	640,000	\$	320,000			0\$	\$320,000	0\$	\$320,000
Watermain D	∽	855,000	\$ 0	427,500	⋄	427,500	0\$	0\$	0\$	\$427,500
Watermain E	∽	656,000	\$	328,000					\$328,000	\$328,000
Booster Station	∽	470,000	\$	235,000	⋄	115,000		\$89,700	00£'0£\$	\$235,000
Net Cost	₩	5,156,000	\$	2,578,000	↔	761,500	\$ 346,700	\$ 934,300	\$ 535,500	\$2,578,000
Add 30% Eng. And Contingencies	❖	1,546,800	\$	773,400	❖	228,450	\$ 104,010	\$ 280,290	\$ 160,650	\$773,400
Total Revised Cost	₩	6,702,800	\$ (3,351,400	❖	036'686	\$ 450,710	\$ 1,214,590	\$ 696,150	\$3,351,400
	Number of Existing Connections	ting Connect	ions				71	74	25	170
	Initial Cost per Ex. Connection	Ex. Connecti	uo				\$6,348	\$16,413	\$27,846	
	Add \$6,000 connection and \$700 plumbing fee	nection and	\$700 plu	umbing fee			\$13,048	\$23,113	\$34,546	
	Rounded cost per current connection	er current co	onnectio	-			\$13,100	\$23,200	\$34,600	

Note - the number of estimated total connections in subject areas (excluding VLA area and south end of Grey Rd 1) is 272 units over 20 years.

These include homes facing on to Somers St between 30th Street and Grey Rd 17B. So potentially additional 102 units (272 - 170) assumed over next 20 years. However, if non mandatory connection policy, asssume 75 homes (75%) connect over 20 years.

Note - the above Costs for Pottawatomi Village do not include new watermain within subdivision.

Cost to replace 500 m of 75 mm dia with new 200 mm dia in PV is estimated to be \$200,000 for watermain only - or additional \$8,000 per existing connection.

TABLE 1 - UPDATED

ERU EVALUATION

WATER SERVICE AREAS

EVALUATION OF MUNCIPAL WATER SUPPLY - CLASS EA

September, 2017 (Updated February 28, 2018)

17-024

AREA	CURRENT NO. OF ERU'S (JULY, 2017)	ESTIMATED, 20 YR NO. OF ERU'S	
EXISTING SERVICED AREA NORTH OF INDIAN RIVER	464 *	1,100	
SOUTH BALMY BEACH (UNSERVICED)	56	65	
SUBTOTAL – AREA NORTH OF INDIAN RIVER	520	1,165	
INDIAN RIVER SOUTH AND MOUNT PLEASANT AREA	+/- 71	110**	
30 TH STREET WEST AND EDMONSTONE STREET AREA	+/- 74	+/- 78	
VLA SUBDIVISION AREA	DO NOT INCLUDE***	DO NOT INCLUDE***	
POTTAWATOMI VILLAGE AREA	25	33	
ADD EX. HOMES ALONG SOMERS ST AND NICOLS GULLY RD/AITKENS	DEFER	+/- 51 NOW	
SUBTOTAL – ERU'S IN STUDY AREA	170	272	
TOTAL	690 ERU'S	+/- 1,437 ERU'S	

NOTES: ERU - Equivalent Residential Unit

Above estimate of future ERU's assumes minimal lot severances as no expansion of sanitary sewer system outside of Cobble Beach assumed over next 20 years.

Total connected ERU's as of July, 2017 *. 20 year estimate (1,100 ERU's) includes 400 ERU's in Cobble Beach. Currently, 87 ERU's connected in Cobble Beach (March, 2018).

Water users at south end of Grey Rd 1 connected to Owen Sound water system not included in future connections**

Existing water users in VLA subdivision not included as assumed they will stay on City of Owen Sound water system. ***

Rated, Maximum Day Treatment Plant capacity is 2,600 m³/d.

TABLE 2

CAPACITY SUMMARY – EXISTING EAST LINTON WATER TREATMENT PLANT

EVALUATION OF MUNICPAL WATER SUPPLY - CLASS EA

September, 2017 (Updated March, 2018)

17-024

	2016/2017*	2017**
EXISTING, RATED TREATMENT PLANT CAPACITY	2,600 M³/D	2,600 M³/D
CURRENT, AVERAGE WATER DEMAND	386 M³/D	367 M³/D
CURRENT, MAXIMUM DAY DEMAND	688 M³/D	± 800 M³/D
CURRENT NUMBER OF ERU'S SERVICED NORTH OF INDIAN RIVER (2017 VALUE AS OF MARCH, 2018).	464 ERU'S	472 ERU'S
CURRENT MAXIMUM DAY DEMAND PER ERU (688 M³/D ÷ 464 ERU'S FOR 2016/2017). SAME FOR FULL 2017.	1.5 M³/D PER ERU	1.7 M³/D PER ERU
TOTAL ERU'S THAT CAN BE SERVICED (2,600 M³/D ÷ 1.5 M³/D FOR 2017). DIVIDE BY 1.7 M³/D FOR 2018.	1,733 ERU'S (1,700 ERU'S)	1,529 ERU'S (1,500 ERU'S)
TOTAL ESTIMATED 20 YEAR (2037) NO. OF ERU'S INCLUDING APPROX. 272 ERU'S IN STUDY AREA SOUTH OF INDIAN RIVER***.	1,437 ERU'S	1,437 ERU'S
ESTIMATED, ADDITIONAL ERU'S THAT CAN BE SERVICED AFTER 20 YEARS	263 ADDITIONAL ERU'S	63 ADDITIONAL ERU'S
ESTIMATED, 20 YEAR MAXIMUM DAY FLOW (1,437 ERU'S X 1.5 M³/D / 1.7 M³/D)	2,156 M³/D	2,443 M³/D

^{*} Based on review of water consumption records from July 2016 to June 2017. ** Based on OCWA Annual Report – 2017

NOTE – Major leaks experienced in July, November, and December, 2016. Increased average water demand between July, 2016 and December, 2016. Once leaks repaired, average flows in first 6 months of 2017 were 344 m³/d

^{***} Currently, there are 87 ERU's in Cobble Beach (66 actual connections). This is estimated to increase to 400 ERU's in Cobble Beach over 20 years. Total ERU's in 20 years estimated to be 400 in Cobble Beach, 272 ERU's in the Study Area and an additional 765 ERU's in existing service area north of Indian River. Total 1,437 ERU's.