

ATTACHMENT 1

TOWN OF ERIN URBAN CENTRE WATER SERVICING CLASS EA

SUMMARY TABLES

Table 1: Erin Forecasted Water Demands Corresponding to Revised Growth Forecast

Year	Erin Village Independent				
	System Firm Capacity (m ³ /day)	MDD Per Unit* (m ³ /d)	Total Serviced Households	Max. Day Demand (m ³ /d)	Reserve Capacity (m ³ /d)
2020	1,968	1.45	1,019	1,473	495
2031	1,968	1.45	1,700	2,457	-489
2036	1,968	1.45	2,000	2,891	-923
2041	1,968	1.45	2,500	3,614	-1,646

* MDD = Maximum Day Demand

Table 2: Hillsburgh Forecasted Water Demands Corresponding to Revised Growth Forecast

Year	Hillsburgh Village Independent				
	System Firm Capacity (m ³ /day)	MDD Per Unit* (m ³ /d)	Total Serviced Households	Max. Day Demand (m ³ /d)	Reserve Capacity (m ³ /d)
2020	655	2.31	275	202	21
2031	655	2.31	700	515	-960
2036	655	2.31	900	662	-1,421
2041	655	2.31	1,100	809	-1,883

Table 10: Summary of Water Supply Alternatives Evaluation Versus Opportunity Statement:

Alternative Solutions	Opportunity Statement Components			
	Increase Supply Capacity to Meet Requirements of Existing Community	Increase Redundancy in Both Communities	Increase Supply Capacity to Meet Future Requirements	Problem Statement Addressed in its Entirety?
Alternative 1: Do Nothing	No	No	No	No
Alternative 2: Increase Water Taking from Existing Municipal Wells	Yes	Yes	No	No
Alternative 3: Reinstate Bel-Erin Wells	Yes Erin Only	Yes Erin Only	No	No
Alternative 4: Addition of New Wells at Each Existing Municipal System	Yes	Yes	Yes	Yes
Alternative 5: Interconnect Existing Erin and Hillsburgh Water Systems	Yes	Yes	No	No
Alternative 6: Interconnect Existing Erin and Hillsburgh Water Systems and Addition of New Well Supply	Yes	Yes	Yes	Yes

Table 3: Reserve Capacity Evaluation of Shortlisted Alternatives Versus the Preferred Growth Allocation Scenario

Village	Year	Serviced Population	Supply Requirements (m ³ /day)	Additional Supply Capacity (m ³ /day)	New System Firm Capacity (m ³ /day)	New Reserve Capacity (m ³ /day)	Alternative
Erin	2020	3,100	1,473	2,765	4,128	2,655	Alternative 4
	2031	4,500	2,457	2,765	4,128	1,671	
	2036	5,600	2,891	2,765	4,128	1,237	
	2041	7,100	3,614	2,765	4,128	514	
Hillsburgh	2020	1,500	634	1,616	1,637	1,003	
	2031	2,000	1,615	1,616	1,637	22	
	2036	2,500	2,076	1,616	1,637	-439	
	2041	3,200	2,538	1,616	1,637	-901	

Table 4: Future Storage Capacity Evaluation of Shortlisted Alternatives Versus the Preferred

	Year	Population	Existing Storage (m ³)	Required Storage (m ³)	Additional Storage Required (m ³)
Erin	2031	3,100	2,200	1938	-262
	2036	5,600	2,200	2793	593
	2041	7,100	2,200	3289	1089
Hillsburgh	2031	2,000	790	1315	525
	2036	2,500	790	1549	759
	2041	3,200	790	1783	993