

Table 6.1
 Community of Neustadt
 Calculation of Water 2025 Reserve Capacity
 Municipality of West Grey

21-039

Description		
1	Design Capacity of Neustadt Water Treatment (m ³ /day)	916
2	Current Max Day Demand (m ³ /day) ¹	359
3	Average Day Demand (m ³ /day)	126
4	Reserve Capacity (m ³ /day) (1) - (2)	557
5	Max/Average Day Factor (2) ÷ (3)	2.85
6	Serviced ERU ²	262
7	Persons per Equivalent Residential Unit (assumed)	3
8	Population Equivalent Served (6) X (7)	786
9	Current Maximum Day Demand ³ Per Capita (m ³ /day) - ERU basis (2) ÷ (8)	0.457
10	Additional Population that can be Served on ERU basis (4) ÷ (9)	1,220
11	Additional Equivalent Residential Units that can be Served (10) ÷ (7)	407
12	Vacant Lots for infilling	21
13	Proposed Development Under Review	118
	i) Weltz - 8 units	
	ii) Subdivision 1 - 67 units	
	iii) Subdivision 2 - 43 units	
14	Uncommitted Reserve Capacity to Support New ERU's (11) - (12) - (134)	268
¹ Accurate Current Max Day information is not known due to flow meter issue		
² Based on 249 residential customers and 4 commercial customers (equivalent to 13 residences)		
³ Calculated Max Day Demand Per Capita is a low number. This number shall increase to 0.549 m ³ /day/capita, if "Persons per ERU" in (7) above is changed to 2.5		

Notes:

A) West Grey can likely commit to Water Supply to Weltz Subdivision and two (2) other subdivisions with 67 and 43 proposed units. West Grey is advised to withhold commitments to any further developments until reliable "Max Day Demand" record is available.