

*WATER SUPPLY & WASTEWATER DISPOSAL FEASIBILITY STUDY,  
HISTORIC VILLAGE AND TOWN CENTER  
TOWN OF GEORGIA, VERMONT  
TABLE 6: Historic Village : Build-Out Analysis*

<i>Use Category</i>	<i>Number of Units or Square Feet</i>	<i>Land Area (acres)</i>
<i>Residential</i>	<i>243 units</i>	<i>102</i>
<i>Commercial</i>	<i>781,200 sq. ft.</i>	<i>34</i>
<i>Total</i>		<i>136</i>

Notes:

1. The Build-Out Analysis information is from the "Georgia Village Plan" for Village Option #2, Figure 21.

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TABLE 7: Historic Village : Projected Water Demands*

Use Category	2005	Design Criteria <sup>(2)(3)</sup>	2025	Water Demands (gpd)
	Estimated Water Usage (gpd) <sup>(1)</sup>		Quantity	
Residential	6,800	300 gpd/unit	48 units	14,400
Commercial	400	450 gpd/acre	4 acres	1,800
Institutional	11,200			16,800
Other	0			0
Total	18,400			33,000

Notes:

1. Using the property descriptions in the Needs Assessment, the current water usage was estimated for each use category.
2. The Vermont Water Supply Rules were used to estimate the water demands. For residential uses, the design value used is 2 bedrooms X 2 people per bedroom X 75 gpd = 300 gpd.
3. Information is not available on the specific types of commercial uses, so an allowance of 450 gpd per acre was assumed.

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*TABLE 8: Historic Village : Projected Wastewater Flows*

Use Category	2005 Estimated Wastewater Flows (gpd)	Design Criteria	2025 Quantity	Wastewater Flows (gpd)
Residential	6,800	245 gpd/unit	48 units	11,760
Commercial	400	450 gpd/acre	4 acres	1,800
Institutional	11,200			16,800
Other	0			0
Total Use	18,400			30,360 31,000

Notes:

1. Using the property descriptions in the Needs Assessment, the current wastewater flows were estimated for each use category.
2. The Vermont Environmental Protection Rules were used to estimate the wastewater flows.
3. Information is not available on the specific types of commercial uses, so an allowance of 450 gpd per acre was assumed.

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TABLE 9: Town Center: Build-Out Analysis*

Use Category	Number of Units or Square Feet	Land Area (acres)
Residential	1,214 units	152
Commercial	4,415,885 sq. ft.	152
Total		304

Notes:

1. The Build-Out Analysis information is from the "Georgia Village Plan" for Village Option #2, Figure 21.

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 TABLE 10: Town Center: Projected Water Demands*

Use Category	2005	Design Criteria <sup>(2)(3)</sup>	2025	Water Demands (gpd)
	Estimated Water Usage (gpd) <sup>(1)</sup>		Quantity	
Residential	9,900	300 gpd/unit	450 units	135,000
Commercial	8,000	450 gpd/acre	60 acres	27,000
Institutional	0			0
Other	400			1,000
Total	18,300			163,000

Notes:

1. Using the property descriptions in the Needs Assessment, the current water usage was estimated for each use category.
2. The Vermont Water Supply Rules were used to estimate the water demands. For residential uses, the design value used is 2 bedrooms X 2 people per bedroom X 75 gpd = 300 gpd.
3. Information is not available on the specific types of commercial uses, so an allowance of 450 gpd per acre was assumed.

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 TABLE 11: Town Center: Projected Wastewater Flows*

Use Category	2005	Design Criteria	2025	Wastewater Flows (gpd)
	Estimated Wastewater Flows (gpd)		Quantity	
Residential	9,900	245 gpd/unit	450 units	110,250
Commercial	8,000	450 gpd/acre	60 acres	27,000
Institutional	0			0
Other	400			1,000
Total Use	18,300			138,250 138,000

Notes:

1. Using the property descriptions in the Needs Assessment, the current wastewater flows were estimated for each use category.
2. The Vermont Environmental Protection Rules were used to estimate the wastewater flows.
3. Information is not available on the specific types of commercial uses, so an allowance of 450 gpd per acre was assumed.

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*TABLE 12: Wyeth Nutritionals Wastewater Treatment Facility: Existing Flows*

Month	2003		2004	
	Monthly Average (mgd)	Maximum Day (mgd)	Monthly Average (mgd)	Maximum Day (mgd)
January	0.095	0.276	0.095	0.250
February	0.099	0.225	0.113	0.219
March	0.106	0.259	0.096	0.278
April	0.105	0.233	0.094	0.225
May	0.108	0.255	0.084	0.232
June	0.118	0.218	---	---
July	0.089	0.170	---	---
August	0.109	0.203	---	---
September	0.122	0.234	---	---
October	0.102	0.251	---	---
November	0.089	0.260	---	---
December	0.090	0.226	---	---
Average	0.102		0.096	
Maximum		0.276		0.278

Notes:

1. The flows are summarized from the monthly WR-43 operations reports.