

Projected Wastewater Flow (based on water flow data provided on 9/16/2014)

Usage Type	Subcategory	Unit	Number of Units	Wastewater Flow (gpd/unit)	Wastewater Flow (gpd)	Wastewater Flow with 20% Reduction (gpd)	Peaking Factor	Maximum 24-hour Flow (gpd)	Peaking Factor	Peak Hourly Flow (gpd)
Residential	Total Bedroom Count	Bedroom	993	110	109,230	109,560	3	328,680	3.78	414,137
Lodge Clubhouse	Restaurant	Seats	167	35	5,845	4,676	3	14,028	5.00	23,380
	Store/Pro Shop	Employees	4	15	60	48	3	144	5.00	240
Clubhouse/Fitness	Pool	Swimmers	50	10	500	400	3	1,200	5.00	2,000
	Health Club	Patrons	20	20	400	320	3	960	5.00	1,600
Sales House - General Store	Sq. Ft.		5,000	0.1	500	400	3	1,200	5.00	2,000
Activity Barn	Pool	Swimmers	50	10	500	400	3	1,200	5.00	2,000
	Bowling	Lanes	2	75	150	120	3	360	5.00	600
	Theater	Seats	32	5	160	128	3	384	5.00	640
Winery Building	Restaurant	Seats	80	35	2,800	2,240	3	6,720	5.00	11,200
	Winery	Allowance	1	2,000	2,000	1,600	3	4,800	5.00	8,000
Golf Academy		Students	40	10	400	320	3	960	5.00	1,600
		Teachers	2	10	20	16	3	48	5.00	80
Vineyard Villas Club		Seats	13	35	455	364	3	1,092	5.00	1,820
Equestrian Center	Wash Stalls	Stalls	2	35	70	56	3	168	5.00	280
	Boarded Horses	Horses	20	0	0	0	3	0	5.00	0
	Employees	Employees	5	15	75	60	3	180	5.00	300
Field House	Pool	Swimmers	50	10	500	400	3	1,200	5.00	2,000
Golf Maintenance Building	Building Size	Sq. Ft.	11,500	0.1	1,150	920	3	2,760	5.00	4,600
Employees		Employees	200	15	3,000	2,400	3	7,200	5.00	12,000
Comfort Stations	Snack Seating	Seats	16	25	400	320	3	960	5.00	1,600
Golf Course	Rounds of Golf	Round	60	20	1,200	960	3	2,880	5.00	4,800
<b>Total Wastewater Flow (gpd)</b>						125,708		377,124		494,877

sq. ft. square feet  
gpd gallons per day  
gpm gallons per minute

\* 20% reduction not applied to residential water demand component per NYSDEC New York State Design Standards for Intermediate Sized Wastewater Treatment System, March 5, 2014 (2014 Design Standards)

Unit wastewater flows - New York State Design Standards for Intermediate Sized Wastewater Treatment System, March 5, 2014 (2014 Design Standards)

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