

# LEGGETTE, BRASHEARS & GRAHAM, INC.

## SILO RIDGE RESORT COMMUNITY AMENIA, NEW YORK

### Water Demand Calculation – January 2015

Usage Type	Subcategory	Number	Water Usage Rate	Water Demand (gpd)	Water Demand with 20% Reduction (gpd)
Residential*	Total Bedroom Count	993	110 gpd/bedroom	109,230	109,230
Lodge Clubhouse	Restaurant	167 seats	35/seat	5,845	4,676
	Store/Pro Shop	4 employees	15/employee	60	48
Clubhouse/Fitness	Pool	50 swimmers	10/swimmer	500	400
	Health Club	20 patrons	20/patron	400	320
Sales House - General Store		5,000 sq.ft.	0.1/sq. ft.	500	400
Activity Barn	Pool	50 swimmers	10/swimmer	500	400
	Bowling	2 lanes	75/lane	150	120
	Theater	32 seats	5/seat	160	128
Winery Building	Restaurant	80 seats	35/seat	2,800	2,240
	Winery	allowance	2,000	2,000	1,600
Golf Academy		40 students	10/student	400	320
		2 teachers	10/teacher	20	16
Vineyard Villas Club		13 seats	35/seat	455	364
Equestrian Center	Wash Stalls	2 stalls	35/stall	70	56
	Boarded Horses	20 horses	12/horse	240	192
	Employees	5 employees	15/employee	75	60
Field House	Pool	50 swimmers	10/swimmer	500	400
Golf Maintenance Building	Building Size	11,500 sq. ft.	0.1/ sq. ft.	1,150	920
Employees		200 employees	15/employee	3,000	2,400
Comfort Stations	Snack Seating	16 seats	25/seat	400	320
Golf Course	Rounds of Golf	60 rounds	20/round	1,200	960
<b>Total Water Demand (gpd)</b>					125,570
<b>Total Water Demand (gpm)</b>					87.2

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)

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