

**Blacklake Resort Lodge, Bungalows, Retirement and Recreation Facilities**  
**Existing vs. Proposed Water Utilization** 8/19/2014

**Existing Resort - Turf, Landscape and Domestic Water Uses**

Source	Annual Consumption AFY	
Wells (400 to 500 AF Annually)	400	Approximate, varies year to year
NCSD Treated Waste Water Currently Utilized	50	
NCSD Domestic Water (Metered)	8.5	
<b>Total</b>	<b>458.5</b>	

**Proposed Water Savings Due to Resort Modifications (Changes in Turf)**

Modification	AC and AFY	Rate ft/yr or %	AFY
Reduced Turf Area (AC)	23	2.6	59.8
Improved Irrigation System (AFY)	458.5	0.05	22.9
Conversion of Turf to Vines/Orchards (AC)	15	1	15.0
Increase in Pond Area (AC)	1.5	1.87	-2.8
<b>Total</b>			<b>94.9</b>

**Proposed New Development Water Usage Imported from NCSD**

Unit Type	Unit Quantity	Rate ft/yr	AFY
Golf Bungalows (Single Family)	93	0.15	14.0
Hotel Suites and Facilities	130	0.1	13.0
Retirement Village	52	0.1	5.2
<b>Total</b>			<b>32.2</b>

**Resulting Additional Waste Water Recharge from New Development**

Unit Type	Water Usage AFY	Recharge Rate %	AFY
Golf Bungalows (Single Family)	13.95	80%	11.2
Hotel Suites & Facilities	13	80%	10.4
Retirement Village	5.2	80%	4.2
<b>Total</b>			<b>25.7</b>

**Projected Water Savings**

Item	AFY
Resort Modifications (Reduction in Turf)	94.9
Waste Water Recharge From New Developer	25.7
<b>Total Project "Savings"</b>	<b>120.6</b>



Similar Facilities - Residential and Resort Water Use Data\*

Source	Total Actual Gallons	No. of Units	AF per Unit/Year
<b>Residential</b>			
Pelican Point	3,714,871	117	0.09
Skylark	2,374,320	65	0.11
Mallard Green	2,326,447	53	0.13
<b>Resort</b>			
San Luis Bay Inn	6,249,260	144	0.13
Avila Village Inn	1,581,122	30	0.16

\*Water use data compiled for similar residential and resort facilities

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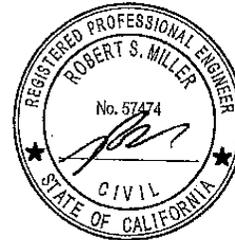
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