## WATER CONSUMPTION

MPWMD USE FACTORS CONSERVATIVE WITH RECYCLE/GREYWATER SYSTEMS FAILURE

## MONTEREY BAY SHORES

Ecoresort, Wellness Spa and Residences 12/22/2008

PROJECT	NUMBER	WATER USE		OCCUPANCY/	ACRE	ANNUAL
COMPONENT	(UNITS, ROOMS	FACTORS	PER UNIT	USE	FEET	DEMAND
	OR SEATS)	(IMPVVIND)		ASSUMPTION		(ACRE-FEET/TR)
Non-Residential:						
Hotel <sup>1</sup>	161	0.100000	AF/room	100%	16.10	
Bar/Restaurant	80/120	0.020000	AF/seat	100%	2.40	
Pool	4000	0.020000	AF/100sf sa	100%	0.80	
Laundry <sup>2</sup>						
Beauty Salon	4	0.056700	AF/station	100%	0.23	
Spa(Jacuzzi/Hot tubs)	10	0.050000	AF/spa	100%	0.50	-
Group I3	27,500	0.000070	AF/SF	100%	1.93	
Meeting Hall Facilities	10,000	0.000530	AS/SF	100%	5.30	
Residential:						
Visitor Serving Residential⁴	88					
Owner Occupied	22	0.129000	AF/unit	100%	2.84	
In Rental Pool (66 units)	132	0.100000	AF/unit	100%	13.20	
Residential Condominiums					,	
Two-Bedroom	61	0.191000	AF/unit	100%	11.65	
Three Bedroom	31	0.221000	AF/unit	100%	6.85	
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WATER CONSUMPTION AT RESORT OCCUPANCY LEVELS SHOWN	SORI OCCOPAINO	OY LEVELS SHOW				67.19
Irrigation Consumption <sup>5</sup>					1.20	·
TOTAL RESORT ANNUAL WATER CONSUMPTION AT OCCUPANCY LEVEL SHOWN	VATER CONSUM	IPTION AT OCCI	JPANCY LEVE	EL SHOWN		62.99
IRRIGATION USE OF POTABLE WA	E WATER: IF FAIL	TER: IF FAILURE OF RECYCLE/GRAY WATER SYSTEMS	E/GRAY WATE	R SYSTEMS		8.09
TOTAL WATER CONSUMPTION IN		CASE OF FAILURE OF RECYCLE/GREYWATER SYSTEMS	LE/GREYWATE	R SYSTEMS		71.08

- <sup>1</sup> Sand City LCP specifies use of 80% occupancy level, not 100%
- <sup>2</sup> Laundry water will be recycled water, but we are incorporating potable use in these calculations under Group
- ³ Group I space includes: public restrooms(1400), Iobby(1200), Laundry(1500), retail(2500), offices(2500), houskeeping area(1400), wellness center (non-spa)(14000),gym(3000). Total 27,500sf
- 4 Visitor Serving Residential Condos are calculated here as 2 hotel rooms in the rental period. Owners may use the condos 90 days in a year bur no more than 29 consecutive days. Balance of year (9 months), condos are in a rental pool under hotel management.
  - <sup>5</sup> No potable water will be used for annual irrigation demand. A 1.2AF safety factor is shown.

12.46 AF will be used to establish plants after grading and prior to completion of construction Annual irrigation after construction is as shown above at 8.09 ac-ft/year-non-potable water