

# Appendix E

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*Alternatives Trip Generation and Water Demand*



## ALTERNATIVES TRIP GENERATION

### Reduced Hotel Trip Generation

Land Use	Trip Rates					Units*	Total Trips				
	Daily	AM	Mid-Day	PM	Saturday		Daily	AM	Mid-Day	PM	Saturday
Condominiums	3.55	0.28	0.33	0.33	0.29	214	760	60	71	71	62
Hotel	7.75	0.41	0.49	0.57	0.26	67	519	27	33	38	17
Spa	14.5	1.21	1.45	1.45	1.45	3,685	18	1	2	2	2
Restaurants	54.02	0.33	5.69	4.18	3.44	2,1245	57	0	13	10	8
Bars	113.4	0	3.4	11.34	11.34	2,719	154	0	11	34	12
<b>Total</b>							<b>1,508</b>	<b>89</b>	<b>129</b>	<b>155</b>	<b>101</b>

\* Residential units/rooms for condos & hotel; 1,000 sf for other uses; 33% external trips for spa, 50% for restaurants/bars.

### Office Alternative Trip Generation

Land Use	Trip Rates					Units*	Total Trips				
	Daily	AM	Mid-Day	PM	Saturday		Daily	AM	Mid-Day	PM	Saturday
Condominiums	3.55	0.28	0.33	0.33	0.29	193	685	54	64	64	56
Office	11.03	1.56	0.75	1.49	0.43	204,291	2,253	319	153	304	88
						3,685	0	0	0	0	0
						2,1245	0	0	0	0	0
						2,719	0	0	0	0	0
<b>Total</b>							<b>2,938</b>	<b>373</b>	<b>217</b>	<b>368</b>	<b>144</b>

\* Residential units for condos; 1,000 sf for office.

## ALTERNATIVES WATER DEMAND

### Reduced Hotel Water Demand

Use	Quantity	Demand Factor (gal/day)	Daily Demand (gal/day)	Estimated Greywater Collected (gal/day)	HVAC Greywater Usage (gal/day) <sup>a</sup>	Daily Greywater Usage (gal/day)	Daily Demand Domestic Water (gal/day)	Annual Demand (gal/year)	Annual Demand (AFY)
Condominiums	214	250	53,500	26,130	10,000	0	43,500	15,877,500	49
Hotel	67	162.5	10,888	10,720	4,000	2,081	4,806	1,754,345	5
Hotel Ancillary	45,203	0.1875	8,476	0	550	5,265	2,661	971,174	3
Restaurants	326	37.5	12,225	0	450	2,025	9,750	3,558,689	11
Retail	0	0.1	0	0	0	0	0	0	0
Landscaping	129,650	0.04958	6,428	0	0	6,428	0	17	0
<b>Total</b>			91,516	36,850	15,000	15,799	60,717	22,161,725	68

<sup>a</sup> Daily greywater usage other than for landscaping is assumed to be proportional to the alternative's overall demand relative to the Project.

### Office Alternative Water Demand

Use	Quantity	Demand Factor (gal/day)	Daily Demand (gal/day)	Estimated Greywater Collected (gal/day)	HVAC Greywater Usage (gal/day) <sup>a</sup>	Daily Greywater Usage (gal/day)	Daily Demand Domestic Water (gal/day)	Annual Demand (gal/year)	Annual Demand (AFY)
Condominiums	193	250	48,250	26,130	10,000	0	38,250	13,961,250	43
Office <sup>c</sup>	204,291	0.1875	38,305	10,720	5,000	3,397	29,908	10,916,312	34
Landscaping	129,650	0.04958	6,428	0	0	6,428	0	0	0
<b>Total</b>			92,983	36,850	15,000	9,825	68,158	24,877,562	76

<sup>a</sup> HVAC gray water usage assumed to be equal to the total usage for the hotel, hotel ancillary, and restaurants.

<sup>b</sup> Daily greywater usage other than for landscaping is assumed to be proportional to the alternative's overall demand relative to the Project.

<sup>c</sup> Water demand for office based on 125% of 150 gallons/1,000 sf/day, per the LA CEQA Thresholds Guide.