

3161 - Fenway N Hwy 101

Prepared by: Pasco Laret Suiter & Associates

DATE: 2/11/2021

PRELIMINARY WATER DEMAND SUMMARY

Projected Water Demands

Land Use	Quantity	Demand Factor	Projected Water Demand (gpd)
Residential	94 units	450 gpd/unit*	42300
Hotel	0.42 acres	7000 gpd/acre*	2940
Commercial	0.42 acres	5000 gpd/acre*	2100
Landscaping	Per Landscape Architect		600
TOTAL =			47940
Max Day Demand Peaking Factor =			1.7**
Max Daily Demand (MDD), gpd =			81498
Fire Flow Demand (FF), gpm =			2500

Proposed Water Conservation Measures and Water Savings

Measure	Location	Yearly Water Savings (gal/unit)	Daily Water Savings (gpd/unit)	Project Total Water Savings (gpd) ¹
Hot Water Pipe Insulation	Indoor	2400 gal/unit	6.57	618
Pressure Reducing Valves	Indoor	1800 gal/unit	4.93	463
Water Efficient Dishwashers	Indoor	650 gal/unit	1.78	167
Dual Flush Toilets	Indoor	4000 gal/unit	10.96	1030
TOTAL=				2279

¹ Based on 94 Residential Units

References

* Water Agency Standards (WAS) - Design Guidelines: Section 4.1 (7/28/14)

** San Dieguito Water District Water System Master Plan: Section 3.5 (June 2010)