

**Table L-1
Estimated Wastewater Average Dry Weather Flow Projections**

Year	Actual WWTP ADWFs ¹	Minimum Month Potable Water Production ^{1,2}		WWTP ADWF/ Min. Potable Water Demand	Projected Indoor Water Use (After WCP)	Projected Wastewater ADWF
	(mgd)	MG	mgd	%	mgd	mgd
2000	4.73	167.83	5.99	78.9% ³		4.73 ¹
2001	4.60	162.99	5.82	79.0% ³		4.60 ¹
2002	4.79	162.82	5.81	82.4% ³	5.78	4.79 ¹
2003	4.35	161.67	5.77	75.3% ³	5.84	4.35 ¹
2004	5.13	151.75	5.42	94.7% ³	5.91	5.13 ¹
2005	4.60	Not Provided		77.0% ³	6.01	4.60 ¹
2010	N/A	N/A	N/A	81.2% ⁴	6.38	5.68 ⁵
2015	N/A	N/A	N/A	81.2% ⁴	6.72	5.95 ⁵
2020	N/A	N/A	N/A	81.2% ⁴	6.85	6.06 ⁵
2025	N/A	N/A	N/A	81.2% ⁴	6.97	6.16 ⁵

Notes:

¹ Information provided by the City of Petaluma

² Minimum month potable water production is based on water production in February. Minimum potable water production is greater than ADWF due to indoor water consumption, minimal outdoor use, and lost water. The historic ratio of the WWTP ADWF to minimum month potable water production is approximately 81.2%.

³ Actual value

⁴ Average value based on historical data

⁵ Calculated based on 81.2% of projected indoor water use plus 0.5 mgd of flow from recirculation of tertiary process water at the water reclamation facility.

Table L-2
Indoor Water Use Estimate by 5 Year Time Periods (MG/Year)

	2002	2005	2010	2015	2020	2025
<u>Water Use by Customers</u>						
Single Family	1,363	1,407	1,486	1,553	1,573	1,594
Multi-Family	230	258	335	421	452	477
Commercial/ Industrial/ Office	424	433	511	599	656	705
Institutional	93	98	133	128	128	128
Total by Customers	2,110	2,196	2,465	2,701	2,809	2,903
WCP	0	0	-95	-165	-186	-200
Plumbing Code Adjustment	0	-4	-40	-84	-124	-161
<u>Total ¹ (MG/Year)</u>	2,110	2,192	2,330	2,451	2,499	2,543
Total (mgd)	5.78	6.01	6.38	6.72	6.85	6.97

¹ Does not include Coast Guard Facility