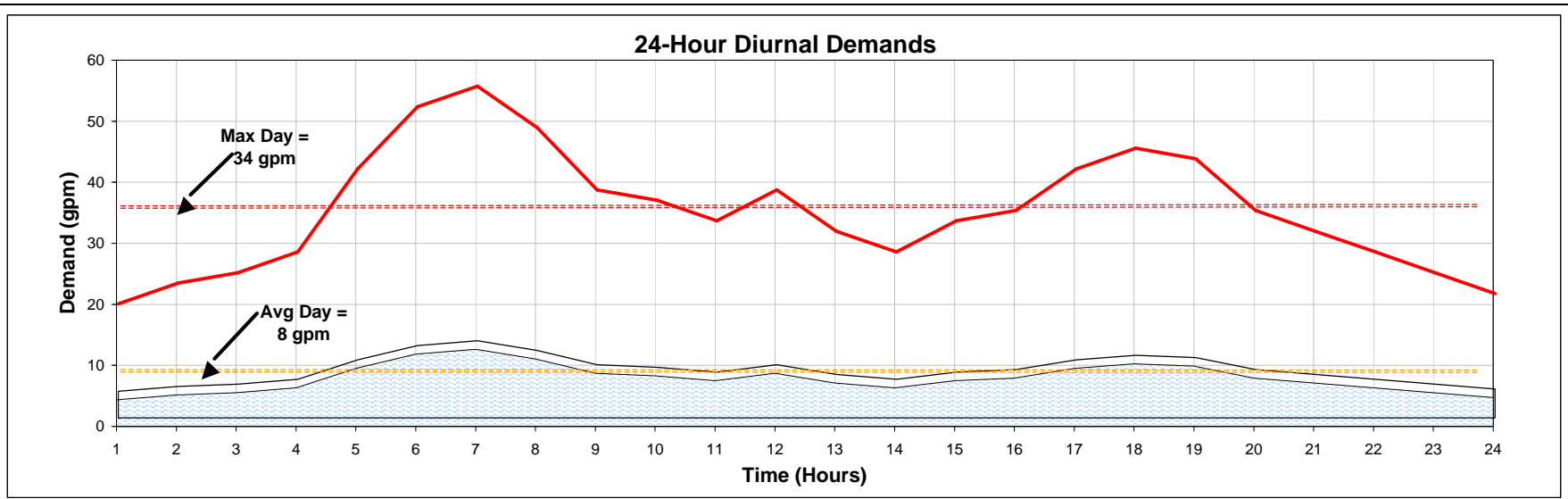


**Table 4.5 Dorena Cluster Daily Diurnal Demand Patterns
Cottage Grove Water System Feasibility Study Report
City of Cottage Grove**

Demand Condition	Time (Hours)																								24-Hour Average	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Peaking Factors																										
Annual Average Day (ADD)	0.55	0.65	0.70	0.80	1.20	1.50	1.60	1.40	1.10	1.05	0.95	1.10	0.90	0.80	0.95	1.00	1.20	1.30	1.25	1.00	0.90	0.80	0.70	0.60	1.00	
Maximum Day (MDD)	2.37	2.80	3.01	3.44	5.16	6.45	6.88	6.02	4.73	4.52	4.09	4.73	3.87	3.44	4.09	4.30	5.16	5.59	5.38	4.30	3.87	3.44	3.01	2.58	4.30	
Water Demands (gpm)																										
Annual Average Day (ADD)	4	5	6	6	9	12	13	11	9	8	8	9	7	6	8	8	9	10	10	8	7	6	6	5	8	0.0
Maximum Day (MDD)	19	22	24	27	41	51	54	48	37	36	32	37	31	27	32	34	41	44	42	34	31	27	24	20	34	0.0

Note: 1) Peaking Factors are multipliers applied to the average annual demands



**FIGURE 11
DORENA CLUSTER DAILY DIURNAL DEMAND PATTERNS**