

Appendix A

DWR Public Water System Statistics

Table A-2
DWR Public Water System Statistics
California Water Service Company
Chico, Year 2000

State of California

Department of Water Resources

The Resources Agency

PUBLIC WATER SYSTEM STATISTICS

WATER YEAR 2000

CAL WATER SERVICE - CHICO
PWS #410002

1. General Information

Please follow the guidelines on the back of this form.

Contact: JAY PERRINE
Title:
Phone:
Fax:
E-mail:
Website:
Communities served: CHICO AND VICINITY
HAMILTON CITY AND VICINITY
County: BUTTE AND GLENN
Population served: 80480

2. Active Service Connections

Customer Class	Recycled Water	Potable Water		Inside City Limits		Outside City Limits	
		Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
Single Family Residential		7603	11431				
Multi-family Residential		419					
Commercial/Institutional		2974					
Industrial		38					
Landscape Irrigation							
Other		326	293				
Agricultural Irrigation							
TOTAL		0	11360	11724	0	0	0

Complete this portion if the system serves all or part of an incorporated city

3. Total Water Into the System – Units of production

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Potable	814.84	436.97	381.18	374.34	337.99	473.93	726.34	861.89	1191.07	1247.07	1222.38	970.65	9038.66
Wells													0.00
Surface													0.00
Purchased ^{1/}													0.00
Total Potable	814.84	436.97	381.18	374.34	337.99	473.93	726.34	861.89	1191.07	1247.07	1222.38	970.65	9038.66
MILLION GALLONS WITH HAMILTON CITY PRODUCTION	814.84	436.97	381.18	374.34	337.99	473.93	726.34	861.89	1191.07	1247.07	1222.38	970.65	9038.66
MILLION GALLONS WITHOUT HAMILTON CITY PRODUCTION	799.12	427.236	372.7	365.56	330.844	463.924	711.218	842.696	1163.986	1220.366	1195.242	949.203	8842.096
MILLION GALLONS WITHOUT HAMILTON CITY PRODUCTION MG	15.72	9.73	8.48	8.78	7.15	10.01	15.13	19.19	27.09	26.71	27.14	21.45	196.56

1/ Potable wholesale supplier(s):

2/ Recycled wholesale supplier(s):
Level of treatment

4. Metered Water Deliveries – Units of delivery

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
A. Single Family Residential	149.63	105.65	68.92	59.19	58.89	60.55	109.29	136.28	196.22	232.83	229.99	209.43	1616.88
B. Multi-family Residential	75.15	61.64	47.73	43.58	45.92	45.06	56.75	71.58	84.57	89.87	91.17	90.74	803.77
C. Commercial/Institutional (INCLUDES REPORTED PUBLIC AUTHORITY VOLUMES)	212.72	164.79	110.42	97.48	99.24	103.39	148.73	193.19	237.56	272.34	270.14	254.87	2164.86
D. Industrial	9.17	10.24	9.63	9.69	7.73	8.22	10.17	11.90	12.37	11.40	12.68	10.86	124.06
E. Landscape Irrigation				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
F. Other	4.67	1.64	0.07	0.06	0.07	0.23	1.02	0.40	0.98	1.94	2.74	2.84	16.68
TOTAL	451.33	343.97	236.77	210.01	211.85	217.45	325.97	413.35	531.71	608.38	606.73	568.74	4726.25
MILLION GALLONS	451.33	343.97	236.77	210.01	211.85	217.45	325.97	413.35	531.71	608.38	606.73	568.74	4726.25

Table A-3
DWR Public Water System Statistics
California Water Service Company
Gridley, Year 2000

State of California

Department of Water Resources

The Resources Agency

PUBLIC WATER SYSTEM STATISTICS

WATER YEAR 2000

PWS #410004

1. General Information

Please follow the guidelines on the back of this form.

Contact: RAY D. ROLLS
Title: CONSULTING ENGINEER
Phone:
Fax:
E-mail:
Website:
Communities served: HAMILTON CITY AND VICINITY
County: BUTTE
Population served: 5,382

2. Active Service Connections

Customer Class	Recycled Water	Potable Water		Inside City Limits		Outside City Limits	
		Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
Single Family Residential		1518	1	1518	3		
Multi-family Residential		65	1	65	1		
Commercial/Institutional		197	7	197	7		
Industrial		2		2			
Landscape Irrigation							
Other							
Agricultural Irrigation		2		2			
TOTAL	0	1784	11	1784	11	0	0

Complete this portion if the system serves all or part of an incorporated city

3. Total Water Into the System – Units of production

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Wells	44.64	22.87	20.89	21.29	19.56	25.87	36.29	48.35	68.72	69.81	67.09	48.21	493.59
Surface													0.00
Purchased ^{1/}													0.00
Total Potable	44.64	22.87	20.89	21.29	19.56	25.87	36.29	48.35	68.72	69.81	67.09	48.21	493.59
MILLION GALLONS	44.64	22.87	20.89	21.29	19.56	25.87	36.29	48.35	68.72	69.81	67.09	48.21	493.593

1/ Potable wholesale supplier(s):

2/ Recycled wholesale supplier(s):
Level of treatment

4. Metered Water Deliveries – Units of delivery

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
A. Single Family Residential	28.0031	15.5193	10.8947	10.3299	10.4188	19.9696	20.3619	35.1714	42.7683	41.1018	33.7681	23.6512	291.9581
B. Multi-family Residential	3.7280	2.4409	1.6272	1.4052	1.6299	2.6437	7.1628	4.7292	6.7352	5.6968	5.2036	5.0076	48.01
C. Commercial/Institutional	10.1349	7.1943	4.6021	6.5056	4.7988	7.5257	8.2473	13.7041	13.8266	14.7179	11.6757	8.9934	111.93
D. Industrial	0.3826	0.1272	0.0409	0.0348	0.0249	0.1101	0.0890	0.1173	0.4832	0.3058	0.1608	0.1343	2.01
E. Landscape Irrigation	0.1055	0.0181	0.0218	0.0071	0.0059	0.0580	0.0577	0.1802	0.1515	0.1473	0.1191	0.0612	0.93
F. Other													0.00
Total Urban Retail (A thru F)	42.35	25.30	17.19	18.28	16.88	30.31	35.92	53.90	63.96	61.97	50.93	37.85	454.84
MILLION GALLONS	42.35	25.30	17.19	18.28	16.88	30.31	35.92	53.90	63.96	61.97	50.93	37.85	454.84

Table A-4
DWR Public Water System Statistics
California Water Service Company
Oroville, Year 2000

State of California

Department of Water Resources

The Resources Agency

PUBLIC WATER SYSTEM STATISTICS

WATER YEAR 2000

PWS #410004

1. General Information

Please follow the guidelines on the back of this form.

Contact: _____
Title: _____
Phone: _____
Fax: _____
E-mail: _____
Website: _____
Communities served: _____
OROVILLE
County: BUTTE COUNTY
Population served: 9,620

2. Active Service Connections

Customer Class	Recycled Water	Potable Water		Inside City Limits		Outside City Limits	
		Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
Single Family Residential		2180	408				
Multi-family Residential		14					
Commercial/Institutional		690					
Industrial		15					
Landscape Irrigation							
Other		126	79				
Agricultural Irrigation							
TOTAL	0	3025	487	0	0	0	0

Complete this portion if the system serves all or part of an incorporated city

3. Total Water Into the System – Units of production

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Potable	2.101	0.077	0.504	2.831	1.471	3.703	15.054	14.205	7.557	8.267	19.614	1.036	76.42
													0.00
	164.495	111.713	64.090	52.373	51.784	59.489	68.683	72.962	164.043	131.246	168.012	200.465	1309.36
Total Potable	166.60	111.79	64.59	55.20	53.26	63.19	83.74	87.17	171.60	139.51	187.63	201.50	1385.78
MILLION GALLONS	166.60	111.79	64.59	55.20	53.26	63.19	83.74	87.17	171.60	139.51	187.63	201.50	1385.775

1/ Potable wholesale supplier(s):

Butte County and PG&E

2/ Recycled wholesale supplier(s):

Level of treatment

4. Metered Water Deliveries – Units of delivery

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
A. Single Family Residential	39530	28522	21404	20967	20200	20811	25182	30424	48568	59108	56302	48489	314
B. Multi-family Residential	6504	5392	4412	4506	4159	4574	5746	5905	7312	8624	8545	7691	55
C. Commercial/Institutional	38535	31937	22934	24049	25386	22480	27678	31503	39258	43688	47478	48246	302
D. Industrial	42560	29804	2820	8474	7313	5250	6988	6930	7853	9867	57699	65505	188
E. Landscape Irrigation													0
F. Other	13822	8262	2923	1949	2259	1525	5981	9947	14210	18100	18002	16948	85
Total Urban Retail (A thru F)	140,951	103,917	54,493	59,945	59,317	54,640	71,575	84,709	117,201	139,387	188,026	186,879	943
MILLION GALLONS	105.43	77.73	40.76	44.84	44.37	40.87	53.54	63.36	87.67	104.26	140.64	139.79	943.26

Table A-5
DWR Public Water System Statistics
Oroville Wyandotte Irrigation District
Year 2000

State of California

Department of Water Resources

The Resources Agency

PUBLIC WATER SYSTEM STATISTICS

WATER YEAR 2000

PWS #410004

1. General Information

Please follow the guidelines on the back of this form.

Contact: GEORGE BARBER
 Title: WATER DIV. MGR
 Phone: 530-533-9700
 Fax: 530-533-9700
 E-mail:
 Website:
 Communities served: OROVILLE
 County: BUTTE COUNTY
 Population served: 14000

2. Active Service Connections

Customer Class	Recycled Water	Potable Water		Inside City Limits		Outside City Limits	
		Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
Single Family Residential		6059		470		5589	
Multi-family Residential							
Commercial/Institutional							
Industrial							
Landscape Irrigation							
Other							
Agricultural Irrigation		15				15	
TOTAL	0	6074		470		5604	0

Complete this portion if the system serves all or part of an incorporated city

3. Total Water Into the System – Units of production

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Potable	177.00	81.00	79.00	76.10	67.90	91.60	139.60	176.60	264.50	292.00	285.70	214.10	1945.10
Wells													0.00
Surface Purchased ^{1/}													0.00
Total Potable	177.00	81.00	79.00	76.10	67.90	91.60	139.60	176.60	264.50	292.00	285.70	214.10	1945.10
MILLION GALLONS	177.00	81.00	79.00	76.10	67.90	91.60	139.60	176.60	264.50	292.00	285.70	214.10	1945.1

1/ Potable wholesale supplier(s):

Butte County and PG&E

2/ Recycled wholesale supplier(s):

Level of treatment

4. Metered Water Deliveries – Units of delivery

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
A. Single Family Residential	168.00	110.00	50.00	57.27	37.18	41.75	83.67	175.84	163.28	248.75	201.11	233.17	1570.02
B. Multi-family Residential													0
C. Commercial/Institutional													0
D. Industrial													0
E. Landscape Irrigation													0
F. Other													0
Total Urban Retail (A thru F)	168.00	110.00	50.00	57.27	37.18	41.75	83.67	175.84	163.28	248.75	201.11	233.17	1570.02
MILLION GALLONS	168.00	110.00	50.00	57.27	37.18	41.75	83.67	175.84	163.28	248.75	201.11	233.17	1570.02

Table A-6
DWR Public Water System Statistics
Thermalito Irrigation District
Year 2000

State of California

Department of Water Resources

The Resources Agency

PUBLIC WATER SYSTEM STATISTICS

WATER YEAR 2000

THERMALITO IRRIGATION
DISTRICT PWS #04-008

1. General Information

Please follow the guidelines on the back of this form.

Contact: _____
 Title: _____
 Phone: _____
 Fax: _____
 E-mail: _____
 Website: _____
 Communities served: THERMALITO
 OROVILLE
 County: BUTTE COUNTY
 Population served: 7,500

2. Active Service Connections

Customer Class	Recycled Water	Potable Water		Inside City Limits		Outside City Limits	
		Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
Single Family Residential		2182		406		1776	
Multi-family Residential		69		57		12	
Commercial/Institutional		113		27		86	
Industrial		4		4			
Landscape Irrigation		5		4		1	
Other							
Agricultural Irrigation		3				3	
TOTAL	0	2376	0	498	0	1878	0

Complete this portion if the system serves all or part of an incorporated city

3. Total Water Into the System – Units of production

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Potable	Wells				7.52	17.08								24.60
	Surface Purchased ^{1/}	233.70	122.46	97.73	89.63	103.69	103.56	167.59	230.58	365.28	366.55	383.25	258.67	2522.69
	Total Potable	233.70	122.46	97.73	97.15	120.77	103.56	167.59	230.58	365.28	366.55	383.25	258.67	2547.29
MILLION GALLONS		41.61	21.33	17.18	20.25	28.93	19.41	36.04	49.07	72.43	71.87	73.40	49.42	830.04

1/ Potable wholesale supplier(s): _____

2/ Recycled wholesale supplier(s): _____
 Level of treatment _____

4. Metered Water Deliveries – Units of delivery

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
A. Single Family Residential	81628	43874	35013	32317	29919	40302	52736	74350	131454	134455	145493	99566	674.03
B. Multi-family Residential	2647	1423	1172	997	922	1242	1626	2175	3845	3933	4256	2913	20.31
C. Commercial/Institutional	3530	1897	1523	1573	1457	1962	2567	3625	6409	6555	7093	4854	32.20
D. Industrial	150	80	64	35	33	44	57	80	142	146	158	108	0.82
E. Landscape Irrigation	176	95						242	427	437	473	324	1.63
F. Other													0.00
Total Urban Retail (A thru F)	88131.00	47369.00	37772.00	34922.00	32331.00	43550.00	56986.00	80472.00	142277.00	145526.00	157473.00	107765.00	974574.00
MILLION GALLONS	65.92	35.43	28.25	26.12	24.18	32.58	42.63	60.19	106.42	108.85	117.79	80.61	728.98
Agricultural Irrigation	106	57	45	35	32	44	57	80	143	146	158	107	1010.00
AG IRRIGATION MG	34.54	18.57	14.66	11.40	10.43	14.34	18.57	26.07	46.60	47.57	51.48	34.87	329.11

Table A-7
DWR Public Water System Statistics
Paradise Irrigation District
Year 2000

State of California

Department of Water Resources

The Resources Agency

PUBLIC WATER SYSTEM STATISTICS

WATER YEAR 2000

PARADISE PWS #410007

1. General Information

Please follow the guidelines on the back of this form.

Contact: _____
 Title: _____
 Phone: _____
 Fax: _____
 E-mail: _____
 Website: _____
 Communities served: PARADISE
 OROVILLE
 County: BUTTE COUNTY
 Population served: 26,408

2. Active Service Connections

Customer Class	Recycled Water	Potable Water		Inside City Limits		Outside City Limits	
		Metered	Unmetered	Metered	Unmetered	Metered	Unmetered
Single Family Residential		9065					
Multi-family Residential							
Commercial/Institutional		723					
Industrial							
Landscape Irrigation							
Other							
Agricultural Irrigation		31					
TOTAL		0	9819	0	0	0	0

Complete this portion if the system serves all or part of an incorporated city

3. Total Water Into the System – Units of production

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
Potable	Wells	11.00	58.00	59.00	59.00	55.00	56.00	5.00			37.00	39.00		379.00
	Surface Purchased ^{1/}	768.00	341.00	311.00	300.00	297.00	358.00	579.00	701.00	1022.00	1153.00	1174.00	854.00	7858.00
	Total Potable	225.81	119.91	118.28	116.33	114.37	134.58	189.65	222.88	329.44	371.47	362.02	259.70	8237.00
MILLION GALLONS		225.81	119.91	118.28	116.33	114.37	134.58	189.65	222.88	329.44	371.47	362.02	259.70	2564.45

1/ Potable wholesale supplier(s): _____

2/ Recycled wholesale supplier(s): _____
 Level of treatment _____

4. Metered Water Deliveries – Units of delivery

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
A. Single Family Residential	565.00	492.00	258.00	196.00	176.00	155.00	214.00	323.00	383.00	648.00	659.00	710.00	1557.24
B. Multi-family Residential													
C. Commercial/Institutional	151.00	129.00	74.00	73.00	57.00	60.00	65.00	115.00	110.00	191.00	185.00	202.00	460.10
D. Industrial													
E. Landscape Irrigation													
F. Other	17.00	5.00	3.00	3.00	31.00	30.00	8.00	10.00	16.00	83.00	75.00	62.00	111.77
Total Urban Retail (A thru F)	733.00	626.00	335.00	272.00	264.00	245.00	287.00	448.00	509.00	922.00	919.00	974.00	6534.00
MILLION GALLONS	238.85	203.98	109.16	88.63	86.02	79.83	93.52	145.98	165.86	300.43	299.46	317.38	2129.11
AG IRRIGATION MG	28.02	10.10	2.28	0.65	0.33	0.33	0.65	5.54	3.58	16.29	33.24	18.57	119.59

Appendix B

Detailed IWR-MAIN Urban Water Demand Forecast Results

Restricted Water Use Values

Thursday, October 09, 2003 2:28 PM

Water Use In Million Gallons

Study Area YEAR	Biggs 2000												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	3.848	3.882	7.440	7.856	13.103	15.934	15.313	12.581	8.811	10.433	5.782	4.059	109.042
Multifamily	0.364	0.422	0.685	1.856	1.225	1.745	1.476	1.348	1.297	0.966	0.632	0.422	12.438
Nonresidential													
Commercial	0.670	0.682	0.710	1.022	1.327	1.632	1.871	1.856	1.751	1.462	1.132	0.759	14.874
Industrial	0.472	0.376	0.401	0.496	0.579	0.603	0.555	0.618	0.529	0.446	0.499	0.469	6.043
Large Landscape	0.004	0.005	0.015	0.067	0.026	0.064	0.127	0.180	0.186	0.306	0.108	0.005	1.093
Other													
Unmetered/Unaccounted	1.600	1.603	2.763	3.374	4.857	5.967	5.777	4.953	3.756	4.066	2.435	1.707	42.861
Avg-Daily Demand	6.958	6.970	12.014	14.671	21.117	25.946	25.119	21.536	16.330	17.679	10.588	7.421	186.351
System Peak Demand	0.000												0.000
YEAR	2010												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	4.384	4.796	8.672	8.888	15.092	17.938	18.672	15.004	10.236	13.007	7.375	4.583	128.646
Multifamily	0.382	0.459	0.725	1.936	1.289	1.816	1.594	1.441	1.370	1.054	0.697	0.440	13.203
Nonresidential													
Commercial	0.524	0.534	0.556	0.800	1.038	1.277	1.464	1.452	1.370	1.144	0.886	0.594	11.638
Industrial	0.446	0.356	0.379	0.469	0.548	0.570	0.525	0.585	0.500	0.422	0.472	0.444	5.716
Large Landscape	0.004	0.005	0.015	0.065	0.025	0.064	0.128	0.180	0.184	0.301	0.104	0.005	1.080
Other													
Unmetered/Unaccounted	1.715	1.837	3.090	3.632	5.374	6.471	6.686	5.574	4.080	4.758	2.848	1.812	47.877
Avg-Daily Demand	7.455	7.985	13.437	15.790	23.366	28.137	29.069	24.237	17.740	20.686	12.381	7.877	208.161
System Peak Demand	0.000												0.000

Water Use In Million Gallons

YEAR	2020												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	5.193	5.681	10.273	10.529	17.878	21.250	22.119	17.775	12.126	15.408	8.736	5.429	152.398
Multifamily	0.389	0.467	0.739	1.973	1.313	1.851	1.625	1.469	1.396	1.074	0.710	0.448	13.456
Nonresidential													
Commercial	0.404	0.411	0.428	0.616	0.800	0.983	1.127	1.118	1.055	0.881	0.682	0.457	8.962
Industrial	0.418	0.333	0.355	0.439	0.513	0.534	0.492	0.547	0.469	0.395	0.442	0.415	5.353
Large Landscape	0.004	0.005	0.015	0.065	0.025	0.064	0.128	0.180	0.184	0.301	0.104	0.005	1.080
Other													
Unmetered/Unaccounted	1.914	2.060	3.528	4.069	6.132	7.373	7.614	6.299	4.549	5.395	3.189	2.018	54.139
Avg-Daily Demand	8.322	8.958	15.337	17.691	26.662	32.055	33.106	27.388	19.779	23.454	13.863	8.773	235.389
System Peak Demand	0.000												0.000

YEAR	2030												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	6.172	6.751	12.209	12.512	21.247	25.253	26.286	21.123	14.410	18.311	10.382	6.452	181.108
Multifamily	0.380	0.457	0.722	1.928	1.283	1.809	1.588	1.435	1.364	1.050	0.694	0.438	13.146
Nonresidential													
Commercial	0.314	0.320	0.333	0.479	0.622	0.765	0.877	0.870	0.821	0.685	0.530	0.356	6.970
Industrial	0.390	0.311	0.331	0.410	0.478	0.498	0.458	0.510	0.437	0.368	0.412	0.387	4.990
Large Landscape	0.004	0.005	0.015	0.065	0.025	0.064	0.128	0.180	0.184	0.301	0.104	0.005	1.080
Other													
Unmetered/Unaccounted	2.168	2.343	4.065	4.598	7.066	8.480	8.763	7.204	5.142	6.188	3.621	2.281	61.919
Avg-Daily Demand	9.427	10.186	17.674	19.992	30.721	36.868	38.100	31.322	22.358	26.903	15.744	9.919	269.215
System Peak Demand	0.000												0.000

Restricted Water Use Values

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Water Use In Million Gallons

Study Area YEAR	Chico, City of 2000												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	124.391	123.745	127.230	229.657	286.387	412.341	489.275	483.305	440.092	314.424	222.015	144.830	3,397.692
Multifamily	61.604	64.910	63.703	80.227	101.185	119.552	127.041	128.883	128.276	106.234	87.142	67.477	1,136.234
Nonresidential													
Commercial	97.480	99.240	103.390	148.730	193.190	237.560	272.340	270.140	254.870	212.720	164.790	110.420	2,164.870
Industrial	9.690	7.730	8.220	10.170	11.900	12.370	11.400	12.680	10.860	9.170	10.240	9.630	124.060
Large Landscape	0.118	0.139	0.436	1.939	0.758	1.865	3.683	5.210	5.393	8.870	3.123	0.139	31.673
Other													
Unmetered/Unaccounted	32.587	32.863	33.664	52.303	65.936	87.076	100.415	100.024	93.277	72.380	54.146	36.944	761.614
Avg-Daily Demand	325.870	328.627	336.643	523.026	659.356	870.764	1,004.154	1,000.242	932.768	723.798	541.456	369.440	7,616.143
System Peak Demand	0.000												0.000
YEAR	2010												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	140.139	148.790	145.803	255.158	337.347	460.862	589.572	565.648	516.404	382.019	278.190	160.550	3,980.483
Multifamily	74.054	84.529	81.128	100.715	130.518	150.497	165.604	165.749	165.166	139.013	115.673	84.620	1,457.266
Nonresidential													
Commercial	118.970	121.118	126.183	180.632	229.072	275.448	341.066	327.903	312.345	260.085	201.119	134.763	2,628.704
Industrial	9.017	7.193	7.649	9.464	11.073	11.511	10.608	11.799	10.106	8.533	9.529	8.961	115.442
Large Landscape	0.147	0.182	0.543	2.426	0.964	2.299	4.727	6.597	6.679	11.697	4.028	0.158	40.447
Other													
Unmetered/Unaccounted	38.036	40.201	40.145	60.933	78.775	100.069	123.509	119.744	112.300	89.039	67.615	43.228	913.593
Avg-Daily Demand	380.364	402.012	401.452	609.326	787.749	1,000.686	1,235.086	1,197.440	1,122.999	890.385	676.154	432.281	9,135.935
System Peak Demand	0.000												0.000

Water Use In Million Gallons

YEAR	2020												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	182.251	193.500	189.617	331.832	438.718	599.350	766.736	735.623	671.581	496.814	361.785	208.795	5,176.602
Multifamily	100.473	114.684	110.071	136.645	177.080	204.188	224.684	224.880	224.089	188.606	156.939	114.809	1,977.148
Nonresidential													
Commercial	145.754	148.386	154.591	221.298	280.644	337.460	417.852	401.725	382.664	318.638	246.398	165.103	3,220.514
Industrial	8.423	6.720	7.146	8.841	10.345	10.753	9.910	11.023	9.440	7.971	8.902	8.371	107.844
Large Landscape	0.182	0.225	0.673	3.008	1.196	2.850	5.862	8.181	8.281	14.505	4.995	0.196	50.154
Other													
Unmetered/Unaccounted	48.565	51.502	51.344	77.958	100.887	128.289	158.338	153.492	144.006	114.059	86.558	55.253	1,170.251
Avg-Daily Demand	485.649	515.017	513.441	779.581	1,008.869	1,282.890	1,583.381	1,534.924	1,440.063	1,140.594	865.576	552.527	11,702.513
System Peak Demand	0.000												0.000

YEAR	2030												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	234.581	249.061	244.062	427.111	564.688	771.442	986.890	946.843	880.077	639.465	465.665	268.746	6,678.632
Multifamily	134.865	153.940	147.748	183.418	237.694	274.080	301.592	301.856	300.794	253.165	210.659	154.107	2,653.918
Nonresidential													
Commercial	178.570	181.794	189.396	271.122	343.829	413.437	511.929	492.171	468.818	390.378	301.873	202.274	3,945.591
Industrial	7.869	6.277	6.675	8.259	9.664	10.045	9.258	10.297	8.819	7.447	8.316	7.820	100.746
Large Landscape	0.223	0.276	0.825	3.687	1.466	3.494	7.185	10.028	10.152	17.780	6.123	0.241	61.479
Other													
Unmetered/Unaccounted	61.790	65.705	65.412	99.289	128.593	163.611	201.873	195.688	185.407	145.359	110.293	70.354	1,493.374
Avg-Daily Demand	617.897	657.054	654.118	992.885	1,285.934	1,636.110	2,018.726	1,956.883	1,854.067	1,453.594	1,102.928	703.544	14,933.739
System Peak Demand	0.000												0.000

Restricted Water Use Values

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Water Use In Million Gallons

Study Area YEAR	Gridley 2000												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	10.330	10.420	19.970	20.360	35.170	42.770	41.100	33.770	23.650	28.000	15.520	10.890	291.950
Multifamily	1.410	1.630	2.640	7.160	4.730	6.740	5.700	5.200	5.010	3.730	2.440	1.630	48.020
Nonresidential													
Commercial	6.510	4.800	7.530	8.250	13.700	13.830	14.720	11.680	8.990	10.130	7.190	4.600	111.930
Industrial	0.030	0.020	0.110	0.090	0.120	0.480	0.310	0.160	0.130	0.380	0.130	0.040	2.000
Large Landscape	0.007	0.006	0.058	0.058	0.180	0.152	0.147	0.119	0.061	0.106	0.018	0.022	0.933
Other													
Unmetered/Unaccounted	1.590	1.467	2.635	3.123	4.687	5.563	5.389	4.429	3.291	3.682	2.200	1.494	39.551
Avg-Daily Demand	19.877	18.343	32.943	39.041	58.587	69.534	67.367	55.358	41.132	46.028	27.498	18.676	494.384
System Peak Demand	0.000												0.000
YEAR	2010												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	11.079	12.118	21.913	21.683	38.134	45.326	47.177	37.914	24.949	32.861	18.634	11.575	323.363
Multifamily	1.822	2.185	3.444	9.213	6.137	8.652	7.593	6.856	6.526	5.020	3.319	2.095	62.863
Nonresidential													
Commercial	6.185	4.560	7.154	7.838	13.016	13.140	13.985	11.097	8.541	9.624	6.831	4.370	106.344
Industrial	0.027	0.018	0.099	0.081	0.109	0.434	0.280	0.145	0.118	0.344	0.118	0.036	1.809
Large Landscape	0.008	0.007	0.069	0.067	0.212	0.181	0.179	0.143	0.073	0.125	0.021	0.025	1.108
Other													
Unmetered/Unaccounted	1.663	1.642	2.842	3.381	5.009	5.890	6.019	4.883	3.496	4.172	2.515	1.574	43.086
Avg-Daily Demand	20.784	20.530	35.521	42.264	62.617	73.623	75.233	61.038	43.703	52.146	31.438	19.676	538.573
System Peak Demand	0.000												0.000

Water Use In Million Gallons

YEAR	2020												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	12.508	13.681	24.739	24.480	43.053	51.173	53.262	42.804	28.167	37.100	21.038	13.069	365.074
Multifamily	2.362	2.832	4.465	11.944	7.956	11.217	9.844	8.889	8.461	6.509	4.303	2.717	81.499
Nonresidential													
Commercial	5.875	4.332	6.796	7.445	12.364	12.481	13.284	10.541	8.113	9.142	6.489	4.151	101.014
Industrial	0.027	0.018	0.099	0.081	0.109	0.434	0.280	0.145	0.118	0.344	0.118	0.036	1.809
Large Landscape	0.010	0.009	0.080	0.079	0.247	0.211	0.208	0.167	0.085	0.145	0.024	0.029	1.293
Other													
Unmetered/Unaccounted	1.807	1.815	3.146	3.829	5.542	6.567	6.685	5.439	3.908	4.630	2.780	1.739	47.886
Avg-Daily Demand	22.589	22.686	39.326	47.858	69.270	82.083	83.565	67.984	48.851	57.869	34.752	21.741	598.574
System Peak Demand	0.000												0.000

YEAR	2030												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	13.936	15.242	27.563	27.275	47.968	57.015	59.343	47.691	31.383	41.335	23.440	14.561	406.751
Multifamily	2.988	3.582	5.648	15.107	10.063	14.188	12.452	11.243	10.701	8.233	5.443	3.436	103.084
Nonresidential													
Commercial	5.582	4.116	6.457	7.075	11.748	11.860	12.623	10.016	7.709	8.687	6.166	3.945	95.983
Industrial	0.026	0.017	0.095	0.077	0.103	0.413	0.267	0.138	0.112	0.327	0.112	0.034	1.722
Large Landscape	0.011	0.010	0.092	0.090	0.283	0.241	0.238	0.191	0.097	0.166	0.028	0.033	1.478
Other													
Unmetered/Unaccounted	1.960	1.997	3.466	4.315	6.101	7.280	7.385	6.024	4.348	5.108	3.060	1.914	52.958
Avg-Daily Demand	24.503	24.965	43.320	53.939	76.266	90.996	92.307	75.302	54.350	63.856	38.247	23.922	661.975
System Peak Demand	0.000												0.000

Restricted Water Use Values

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Water Use In Million Gallons

Study Area YEAR	Oroville 2000												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	27.980	25.270	27.660	36.810	52.260	75.340	92.310	87.360	76.660	60.710	40.740	28.130	631.230
Multifamily	3.990	3.680	4.190	5.300	5.760	7.850	8.880	9.020	7.550	6.500	4.910	4.020	71.650
Nonresidential													
Commercial	19.730	20.940	18.310	25.640	31.650	41.140	47.390	50.250	49.630	39.790	30.410	19.610	394.490
Industrial	6.360	5.490	3.960	5.270	5.240	5.980	7.490	43.280	49.080	31.950	22.350	2.160	188.610
Large Landscape	0.000	0.000	0.000	0.000	0.140	0.260	0.260	0.280	0.190	0.110	0.060	0.000	1.300
Other													
Unmetered/Unaccounted	16.376	15.620	15.265	20.595	26.809	36.827	44.093	53.643	51.646	39.222	27.774	15.208	363.079
Avg-Daily Demand	74.436	71.000	69.385	93.615	121.859	167.397	200.423	243.833	234.756	178.282	126.244	69.128	1,650.359
System Peak Demand	0.000												0.000
YEAR	2010												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	33.473	32.780	33.856	43.730	63.208	89.063	118.195	109.405	93.519	79.477	54.564	33.354	784.623
Multifamily	6.004	5.743	6.365	7.940	8.701	11.733	13.774	13.848	11.451	10.186	7.776	6.017	109.536
Nonresidential													
Commercial	21.394	22.706	19.854	27.802	34.319	44.609	51.386	54.487	53.815	43.145	32.974	21.264	427.755
Industrial	5.801	5.007	3.612	4.807	4.779	5.454	6.831	39.474	44.764	29.140	20.384	1.970	172.023
Large Landscape	0.000	0.000	0.000	0.000	0.201	0.377	0.384	0.409	0.274	0.158	0.084	0.000	1.888
Other													
Unmetered/Unaccounted	18.805	18.682	17.963	23.771	31.366	42.657	53.750	61.381	57.488	45.723	32.657	17.658	421.899
Avg-Daily Demand	85.476	84.918	81.649	108.049	142.573	193.893	244.320	279.004	261.311	207.830	148.440	80.262	1,917.724
System Peak Demand	0.000												0.000

Water Use In Million Gallons

YEAR	2020												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	46.141	45.186	46.669	60.280	87.129	122.770	162.927	150.810	128.912	109.556	75.214	45.977	1,081.572
Multifamily	8.359	7.995	8.861	11.055	12.115	16.336	19.177	19.280	15.943	14.182	10.827	8.377	152.508
Nonresidential													
Commercial	23.757	25.214	22.047	30.873	38.110	49.537	57.062	60.506	59.760	47.911	36.617	23.612	475.006
Industrial	5.420	4.678	3.374	4.491	4.465	5.096	6.382	36.880	41.823	27.226	19.045	1.841	160.721
Large Landscape	0.000	0.000	0.000	0.000	0.274	0.516	0.525	0.560	0.375	0.217	0.116	0.000	2.584
Other													
Unmetered/Unaccounted	23.601	23.431	22.832	30.094	40.078	54.790	69.406	75.600	69.614	56.154	40.000	22.510	528.110
Avg-Daily Demand	107.278	106.505	103.784	136.793	182.171	249.045	315.480	343.637	316.426	255.246	181.818	102.317	2,400.500
System Peak Demand	0.000												0.000

YEAR	2030												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	59.955	58.715	60.640	78.327	113.214	159.525	211.705	195.961	167.506	142.355	97.731	59.741	1,405.377
Multifamily	10.822	10.352	11.473	14.313	15.685	21.150	24.828	24.962	20.641	18.362	14.018	10.846	197.452
Nonresidential													
Commercial	26.381	27.999	24.482	34.283	42.319	55.008	63.365	67.189	66.360	53.203	40.661	26.220	527.468
Industrial	5.062	4.369	3.152	4.194	4.171	4.759	5.961	34.447	39.063	25.429	17.788	1.719	150.115
Large Landscape	0.000	0.000	0.000	0.000	0.348	0.655	0.667	0.711	0.476	0.275	0.147	0.000	3.279
Other													
Unmetered/Unaccounted	28.831	28.610	28.134	36.982	49.567	68.002	86.456	91.178	82.936	67.586	48.046	27.790	644.118
Avg-Daily Demand	131.052	130.044	127.881	168.098	225.303	309.101	392.982	414.447	376.982	307.210	218.391	126.317	2,927.809
System Peak Demand	0.000												0.000

Restricted Water Use Values

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Water Use In Million Gallons

Study Area YEAR	Paradise 2000												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	58.530	52.560	46.290	63.900	96.450	114.370	193.500	196.790	212.020	168.720	146.720	77.040	1,426.890
Multifamily	5.370	4.820	4.240	5.860	8.850	10.490	17.740	18.050	19.440	15.470	13.470	7.070	130.870
Nonresidential													
Commercial	22.610	17.560	18.580	20.130	35.620	34.070	59.150	57.290	62.560	46.760	39.950	22.920	437.200
Industrial	1.190	0.930	0.980	1.060	1.870	1.790	3.110	3.020	3.290	2.460	2.100	1.210	23.010
Large Landscape	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other													
Unmetered/Unaccounted	17.963	15.540	14.356	18.628	29.246	32.919	56.018	56.356	60.895	47.807	41.423	22.170	413.319
Avg-Daily Demand	105.663	91.410	84.446	109.578	172.036	193.639	329.518	331.506	358.205	281.217	243.663	130.410	2,431.289
System Peak Demand	0.000												0.000
YEAR	2010												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	65.080	60.247	49.040	65.596	104.148	117.616	218.003	211.960	235.671	192.915	173.774	78.339	1,572.390
Multifamily	5.655	5.151	4.369	5.950	9.200	10.661	18.808	18.742	20.482	16.514	14.616	7.148	137.296
Nonresidential													
Commercial	24.005	18.644	19.727	21.372	37.818	36.173	62.800	60.826	66.421	49.646	42.415	24.334	464.181
Industrial	1.127	0.881	0.928	1.004	1.771	1.696	2.946	2.861	3.117	2.330	1.989	1.146	21.798
Large Landscape	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other													
Unmetered/Unaccounted	13.073	11.580	10.100	12.808	20.855	22.656	41.258	40.144	44.412	35.646	31.745	15.132	299.409
Avg-Daily Demand	108.941	96.503	84.163	106.730	173.792	188.801	343.816	334.532	370.103	297.052	264.539	126.099	2,495.073
System Peak Demand	0.000												0.000

Water Use In Million Gallons

YEAR	2020												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	69.352	64.202	52.259	69.902	110.984	125.336	232.313	225.873	251.140	205.578	185.180	83.481	1,675.598
Multifamily	5.778	5.263	4.463	6.079	9.399	10.891	19.214	19.147	20.925	16.871	14.932	7.302	140.262
Nonresidential													
Commercial	25.130	19.517	20.651	22.374	39.590	37.867	65.743	63.675	69.533	51.972	44.403	25.475	485.929
Industrial	1.053	0.823	0.867	0.938	1.655	1.584	2.752	2.672	2.911	2.177	1.858	1.071	20.361
Large Landscape	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other													
Unmetered/Unaccounted	8.810	7.809	6.803	8.634	14.055	15.276	27.828	27.075	29.957	24.052	21.424	10.202	201.926
Avg-Daily Demand	110.122	97.613	85.044	107.926	175.682	190.954	347.850	338.443	374.466	300.649	267.796	127.531	2,524.076
System Peak Demand	0.000												0.000

YEAR	2030												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	75.065	69.490	56.563	75.659	120.125	135.660	251.448	244.478	271.826	222.511	200.433	90.357	1,813.616
Multifamily	5.907	5.298	4.660	6.441	9.727	11.530	19.498	19.839	21.366	17.003	14.805	7.771	143.844
Nonresidential													
Commercial	26.304	20.429	21.616	23.419	41.439	39.636	68.814	66.650	72.781	54.399	46.477	26.665	508.628
Industrial	0.983	0.768	0.810	0.876	1.545	1.479	2.570	2.496	2.719	2.033	1.735	1.000	19.014
Large Landscape	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Other													
Unmetered/Unaccounted	9.414	8.347	7.274	9.252	15.029	16.374	29.768	28.997	32.060	25.734	22.909	10.938	216.096
Avg-Daily Demand	117.673	104.331	90.923	115.646	187.866	204.679	372.097	362.459	400.753	321.681	286.359	136.731	2,701.199
System Peak Demand	0.000												0.000

Restricted Water Use Values

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Water Use In Million Gallons

Study Area YEAR	Unincorporated 2000												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	231.280	173.960	248.380	371.710	732.300	744.810	980.420	796.100	823.620	663.720	416.520	213.960	6,396.780
Multifamily	54.240	62.913	102.045	276.480	182.544	259.975	219.893	200.856	193.291	143.899	94.217	62.809	1,853.162
Nonresidential													
Commercial	2.420	1.790	2.800	3.070	5.110	5.150	5.480	4.350	3.350	3.780	2.680	1.720	41.700
Industrial	0.240	0.170	0.770	0.620	0.820	3.380	2.140	1.130	0.940	2.690	0.890	0.290	14.080
Large Landscape	0.126	0.105	1.030	1.028	3.209	2.698	2.623	2.121	1.090	1.879	0.322	0.388	16.619
Other													
Unmetered/Unaccounted	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Avg-Daily Demand	288.306	238.938	355.025	652.908	923.983	1,016.013	1,210.556	1,004.557	1,022.291	815.968	514.629	279.167	8,322.341
System Peak Demand	0.000												0.000
YEAR	2010												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	253.606	196.644	259.496	376.297	779.805	755.351	1,089.292	845.608	902.831	748.402	486.497	214.558	6,908.387
Multifamily	52.438	61.724	96.524	257.725	174.202	242.540	214.017	191.453	186.953	141.017	93.851	58.292	1,770.736
Nonresidential													
Commercial	3.835	2.837	4.438	4.530	7.675	7.722	8.874	6.796	5.298	6.151	4.247	2.726	65.131
Industrial	0.228	0.161	0.731	0.588	0.778	3.208	2.031	1.072	0.892	2.553	0.845	0.275	13.363
Large Landscape	0.121	0.105	0.960	0.942	3.049	2.459	2.533	2.006	1.012	1.875	0.307	0.345	15.713
Other													
Unmetered/Unaccounted	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Avg-Daily Demand	310.228	261.471	362.148	640.082	965.509	1,011.281	1,316.747	1,046.935	1,096.987	899.998	585.748	276.196	8,773.330
System Peak Demand	0.000												0.000

Water Use In Million Gallons

YEAR	2020												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	274.330	212.713	280.701	407.046	843.527	817.075	1,178.304	914.707	976.606	809.558	526.252	232.091	7,472.909
Multifamily	53.603	63.095	98.668	263.450	178.071	247.928	218.771	195.706	191.107	144.150	95.936	59.586	1,810.072
Nonresidential													
Commercial	4.615	3.413	5.339	5.451	9.235	9.292	10.677	8.178	6.375	7.401	5.111	3.280	78.368
Industrial	0.212	0.150	0.681	0.548	0.725	2.990	1.893	0.999	0.831	2.379	0.787	0.256	12.453
Large Landscape	0.121	0.105	0.960	0.942	3.049	2.459	2.533	2.006	1.012	1.875	0.307	0.345	15.713
Other													
Unmetered/Unaccounted	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Avg-Daily Demand	332.880	279.477	386.349	677.437	1,034.608	1,079.744	1,412.178	1,121.596	1,175.931	965.363	628.393	295.559	9,389.515
System Peak Demand	0.000												0.000

YEAR	2030												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Residential													
Single-Family	294.171	228.097	301.002	436.486	904.535	876.170	1,263.525	980.864	1,047.239	868.109	564.313	248.877	8,013.389
Multifamily	48.520	57.113	89.312	238.469	161.186	224.419	198.027	177.148	172.985	130.481	86.839	53.936	1,638.437
Nonresidential													
Commercial	4.496	3.326	5.202	5.311	8.998	9.053	10.403	7.967	6.211	7.210	4.979	3.196	76.351
Industrial	0.199	0.141	0.637	0.513	0.678	2.796	1.770	0.935	0.778	2.226	0.736	0.240	11.649
Large Landscape	0.117	0.102	0.929	0.911	2.950	2.379	2.450	1.940	0.979	1.814	0.297	0.333	15.200
Other													
Unmetered/Unaccounted	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Avg-Daily Demand	347.502	288.778	397.082	681.690	1,078.347	1,114.817	1,476.175	1,168.855	1,228.193	1,009.840	657.165	306.582	9,755.026
System Peak Demand	0.000												0.000