



Memo

To: Board of Directors
From: Karl Drew, General Manager
Date: May 15, 2015
Subject: Water Conservation and State Emergency Regulations

Attached for your review are copies of the newest set of Emergency Regulations adopted by the State Water Resources Control Board on May 5, 2015 and an email received from the State Water Boards with information regarding these regulations. These regulations are expected to go into effective May 15, 2015.

This new set of Emergency Regulations adds and implements the requirement for the State as a whole to achieve an overall 25% reduction in water use. It establishes tiers to determine the amount of water reduction is required of water suppliers based on the Residential Gallons per Capita Daily (R-GPCD) calculations for each water supplier.

Based on this tier system, Crestline Village Water District is required to reduce its water production by 8% as compared to the 2013 base year. During 2014, the District achieved a 9% reduction.

On April 28, 2015, the District submitted revised R-GPCD numbers to the State Water Boards. The informational email that was sent to the water suppliers indicated that they are accepting revised calculations until May 31, 2015. The revised average R-GPCD for the July – September 2014 period which is used to determine tier placement is 60.4. Unless the state notifies us that they are not accepting our revised numbers, we are planning on complying with a 8% water production requirement.

Based on the restrictions implemented during 2014 and which are continuing in 2015, along with the additional restrictions required by the State in 2015, we should be able to meet the 8% water production requirement without moving into any other advanced phase of water conservation.

We have had a request from a Board member for a list of the highest water users in the District. Due to privacy issues/requirements, at this time we do not see the need to make such a list a part of the public record. We have attached a report that we generate monthly that shows the number of water accounts that fall into various water consumption levels for the whole District.

ADOPTED TEXT OF EMERGENCY REGULATION

Article 22.5. Drought Emergency Water Conservation.

Sec. 863. Findings of Drought Emergency.

(a) The State Water Resources Control Board finds as follows:

(1) On January 17, 2014, the Governor issued a proclamation of a state of emergency under the California Emergency Services Act based on drought conditions;

(2) On April 25, 2014, the Governor issued a proclamation of a continued state of emergency under the California Emergency Services Act based on continued drought conditions;

(3) On April 1, 2015, the Governor issued an Executive Order that, in part, directs the State Board to impose restrictions on water suppliers to achieve a statewide 25 percent reduction in potable urban usage through February, 2016; require commercial, industrial, and institutional users to implement water efficiency measures; prohibit irrigation with potable water of ornamental turf in public street medians; and prohibit irrigation with potable water outside newly constructed homes and buildings that is not delivered by drip or microspray systems;

(4) The drought conditions that formed the basis of the Governor's emergency proclamations continue to exist;

(5) The present year is critically dry and has been immediately preceded by two or more consecutive below normal, dry, or critically dry years; and

(6) The drought conditions will likely continue for the foreseeable future and additional action by both the State Water Resources Control Board and local water suppliers will likely be necessary to prevent waste and unreasonable use of water and to further promote conservation.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 102, 104, 105, and 275, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.

Sec. 864. End-User Requirements in Promotion of Water Conservation.

(a) To prevent the waste and unreasonable use of water and to promote water conservation, each of the following actions is prohibited, except where necessary to address an immediate health and safety need or to comply with a term or condition in a permit issued by a state or federal agency:

(1) The application of potable water to outdoor landscapes in a manner that causes runoff such that water flows onto adjacent property, non-irrigated areas, private and public walkways, roadways, parking lots, or structures;

(2) The use of a hose that dispenses potable water to wash a motor vehicle, except where the hose is fitted with a shut-off nozzle or device attached to it that causes it to cease dispensing water immediately when not in use;

(3) The application of potable water to driveways and sidewalks; and

(4) The use of potable water in a fountain or other decorative water feature, except where the water is part of a recirculating system;

(5) The application of potable water to outdoor landscapes during and within 48 hours after measurable rainfall;

(6) The serving of drinking water other than upon request in eating or drinking establishments, including but not limited to restaurants, hotels, cafes, cafeterias, bars, or other public places where food or drink are served and/or purchased;

(7) The irrigation with potable water of ornamental turf on public street medians; and

(8) The irrigation with potable water of landscapes outside of newly constructed homes and buildings in a manner inconsistent with regulations or other requirements established by the California Building Standards Commission and the Department of Housing and Community Development.

(b) To promote water conservation, operators of hotels and motels shall provide guests with the option of choosing not to have towels and linens laundered daily. The hotel or motel shall prominently display notice of this option in each guestroom using clear and easily understood language.

(c) Immediately upon this subdivision taking effect, all commercial, industrial and institutional properties that use a water supply, any portion of which is from a source other than a water supplier subject to section 865, shall either:

(1) Limit outdoor irrigation of ornamental landscapes or turf with potable water to no more than two days per week; or

(2) Reduce potable water usage supplied by sources other than a water supplier by 25 percent for the months of June 2015 through February 2016 as compared to the amount used from those sources for the same months in 2013.

(d) The taking of any action prohibited in subdivision (a) or the failure to take any action required in subdivisions (b) or (c), is an infraction, punishable by a fine of up to five hundred dollars (\$500) for each day in which the violation occurs. The fine for the infraction is in addition to, and does not supersede or limit, any other remedies, civil or criminal.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 102, 104, 105, 275, 350, and 10617, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.

Sec. 865. Mandatory Actions by Water Suppliers.

(a) As used in this section:

(1) "Distributor of a public water supply" has the same meaning as under section 350 of the Water Code, except it does not refer to such distributors when they are functioning solely in a wholesale capacity, but does apply to distributors when they are functioning in a retail capacity.

(2) "R-GPCD" means residential gallons per capita per day.

(3) "Total potable water production" means all potable water that enters into a water supplier's distribution system, excluding water placed into

storage and not withdrawn for use during the reporting period, or water exported outside the supplier's service area.

- (4) "Urban water supplier" means a supplier that meets the definition set forth in Water Code section 10617, except it does not refer to suppliers when they are functioning solely in a wholesale capacity, but does apply to suppliers when they are functioning in a retail capacity.

(b) In furtherance of the promotion of water conservation each urban water supplier shall:

(1) Provide prompt notice to a customer whenever the supplier obtains information that indicates that a leak may exist within the end-user's exclusive control.

(2) Prepare and submit to the State Water Resources Control Board by the 15th of each month a monitoring report on forms provided by the Board. The monitoring report shall include the amount of potable water the urban water supplier produced, including water provided by a wholesaler, in the preceding calendar month and shall compare that amount to the amount produced in the same calendar month in 2013. The monitoring report shall specify the population served by the urban water supplier, the percentage of water produced that is used for the residential sector, descriptive statistics on water conservation compliance and enforcement efforts, and the number of days that outdoor irrigation is allowed, and monthly commercial, industrial and institutional sector use. The monitoring report shall also estimate the gallons of water per person per day used by the residential customers it serves.

(c)(1) To prevent the waste and unreasonable use of water and to meet the requirements of the Governor's April 1, 2015 Executive Order, each urban water supplier shall reduce its total potable water production by the percentage identified as its conservation standard in this subdivision. Each urban water supplier's conservation standard considers its service area's relative per capita water usage.

(2) Each urban water supplier whose source of supply does not include groundwater or water imported from outside the hydrologic region in which the water supplier is located, and that has a minimum of four years' reserved supply available may, submit to the Executive Director for approval a request that, in lieu of the reduction that would otherwise be required under paragraphs (3) through (10), the urban water supplier shall reduce its total potable water production by 4 percent for each month as compared to the amount used in the same month in 2013. Any such request shall be accompanied by information showing that the supplier's sources of supply do not include groundwater or water imported from outside the hydrologic region and that the supplier has a minimum of four years' reserved supply available.

(3) Each urban water supplier whose average July-September 2014 R-GPCD was less than 65 shall reduce its total potable water production by 8 percent for each month as compared to the amount used in the same month in 2013.

(4) Each urban water supplier whose average July-September 2014 R-GPCD was 65 or more but less than 80 shall reduce its total potable water production by 12 percent for each month as compared to the amount used in the same month in 2013.

(5) Each urban water supplier whose average July-September 2014 R-GPCD was 80 or more but less than 95 shall reduce its total potable water production by 16 percent for each month as compared to the amount used in the same month in 2013.

(6) Each urban water supplier whose average July-September 2014 R-GPCD was 95 or more but less than 110 shall reduce its total potable water production by 20 percent for each month as compared to the amount used in the same month in 2013.

(7) Each urban water supplier whose average July-September 2014 R-GPCD was 110 or more but less than 130 shall reduce its total potable water production by 24 percent for each month as compared to the amount used in the same month in 2013.

(8) Each urban water supplier whose average July-September 2014 R-GPCD was 130 or more but less than 170 shall reduce its total potable water production by 28 percent for each month as compared to the amount used in the same month in 2013.

(9) Each urban water supplier whose average July-September 2014 R-GPCD was 170 or more but less than 215 shall reduce its total potable water production by 32 percent for each month as compared to the amount used in the same month in 2013.

(10) Each urban water supplier whose average July-September 2014 R-GPCD was 215 or more shall reduce its total potable water production by 36 percent for each month as compared to the amount used in the same month in 2013.

(d)(1) Beginning June 1, 2015, each urban water supplier shall comply with the conservation standard specified in subdivision (c).

(2) Compliance with the requirements of this subdivision shall be measured monthly and assessed on a cumulative basis.

(e)(1) Each urban water supplier that provides potable water for commercial agricultural use meeting the definition of Government Code section 51201, subdivision (b), may subtract the amount of water provided for commercial agricultural use from its potable water production total, provided that any urban water supplier that subtracts any water provided for commercial agricultural use from its total potable water production shall:

(A) Impose reductions determined locally appropriate by the urban water supplier, after considering the applicable urban water supplier conservation standard specified in subdivision (c), for commercial agricultural users meeting the definition of Government Code section 51201, subdivision (b) served by the supplier;

(B) Report its total potable water production pursuant to subdivision (b)(2) of this section, the total amount of water supplied for commercial agricultural use, and shall identify the reduction imposed on its commercial agricultural users and each recipient of potable water for commercial agricultural use;

(C) Certify that the agricultural uses it serves meet the definition of Government Code section 51201, subdivision (b); and

(D) Comply with the Agricultural Water Management Plan requirement of paragraph 12 of the April 1, 2015 Executive Order for all commercial agricultural water served by the supplier that is subtracted from its total potable water production.

(2) Submitting any information pursuant to subdivision (e)(1)(B) or (C) of this section that is found to be materially false by the board is a violation of this regulation, punishable by civil liability of up to five hundred dollars (\$500) for each day in which the violation occurs. Every day that the error goes uncorrected constitutes a separate violation. Civil liability for the violation is in addition to, and does not supersede or limit, any other remedies, civil or criminal.

(f)(1) To prevent waste and unreasonable use of water and to promote water conservation, each distributor of a public water supply that is not an urban water supplier shall take one or more of the following actions:

(A) Limit outdoor irrigation of ornamental landscapes or turf with potable water by the persons it serves to no more than two days per week; or

(B) Reduce by 25 percent reduction its total potable water production relative to the amount produced in 2013.

(2) Each distributor of a public water supply that is not an urban water supplier shall submit a report by December 15, 2015, on a form provided by the Board, that either confirms compliance with subdivision (f)(1)(A) or identifies total potable water production, by month, from June through November, 2015, and total potable water production, by month, for June through November 2013.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 102, 104, 105, 275, 350, 1846, 10617 and 10632, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.

Sec. 866. Additional Conservation Tools.

(a)(1) To prevent the waste and unreasonable use of water and to promote conservation, when a water supplier does not meet its conservation standard required by section 865 the Executive Director, or the Executive Director's designee, may issue conservation orders requiring additional actions by the supplier to come into compliance with its conservation standard.

(2) A decision or order issued under this article by the board or an officer or employee of the board is subject to reconsideration under article 2 (commencing with section 1122) of chapter 4 of part 1 of division 2 of the California Water Code.

(b) The Executive Director, or his designee, may issue an informational order requiring water suppliers, or commercial, industrial or institutional properties that receive any portion of their supply from a source other than a water supplier subject to section 865, to submit additional information relating to water production, water use or water conservation. The failure to provide the information requested within 30 days or any additional time extension granted is a violation subject to civil liability of up to \$500 per day for each day the violation continues pursuant to Water Code section 1846.

Authority: Section 1058.5, Water Code.

References: Cal. Const., Art., X § 2; Sections 100, 102, 104, 105, 174, 186, 187, 275, 350, 1051, 1122, 1123, 1825, 1846, 10617 and 10632, Water Code; *Light v. State Water Resources Control Board* (2014) 226 Cal.App.4th 1463.

From: Bean_Jessica@Waterboards
To: Bean_Jessica@Waterboards
Cc: Oppenheimer_Eric@Waterboards; Emmerson_Mark@Waterboards
Subject: New Emergency Conservation Regulations- Information for Suppliers
Date: Thursday, May 07, 2015 12:31:06 PM

Urban Water Supplier:

On May 5, 2015, the State Water Board adopted the emergency regulation to achieve a 25 percent statewide reduction in urban potable water use. The new regulation has been submitted to the Office of Administrative Law for approval, and is expected to go into effect on May 15, 2015. We have received many questions related to the regulation and reporting, and will be scheduling a conference call for next week to provide further details. Until then, we are providing the following information to address some of the most common questions we have received:

Revised Reporting and Tier Placement - Water suppliers may continue to revise reports with more accurate data. However, changes that will affect placement in conservation standard tiers must be submitted by May 31, 2015. Changes made after May 31, 2015 will not change the supplier's tier placement. Note- *when filing revised reports that result in changes to your R-GPCD, you must provide a justification for the change in the qualifications field of the Reporting Tool. Also, please maintain for your records a detailed justification and the data to support the revised numbers. Changes with insufficient documentation may not be approved.*

Total Potable Water Production - The definition for Total Potable Water Production is "all potable water that enters into a water supplier's distribution system, excluding water placed into storage and not withdrawn for use during the reporting." Total Potable Water Production includes all non-revenue water, including water loss. Water that is produced but not used in your service area (e.g., water transferred or sold to another water supplier) should not be included in your total potable water production.

Calculating R-GPCD - The formula for calculating R-GPCD has not changed. For information on how to calculate R-GPCD, review the guidance document available on the State Water Board website at http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/docs/ws_tools/guidance_estimate_res_gpcd.pdf. Note- *Total Monthly Potable Water Production (TMP) includes non-revenue water, but Percent Residential Use (PRU) does not include non-revenue water.*

Reserved Tier (4%) - Deadlines and guidance to request inclusion in the reserved four percent conservation tier will be available soon.

Reporting Enforcement Actions - When reporting enforcement actions taken in the past month, suppliers should not include customers placed in penalty tiers or customers billed for excess water use under their rate structure. Additionally, all questions in the reporting tool that pertain to enforcement should be completed for the reporting month only. For example, the number of water waste complaints or conservation rule violations received should be completed only for the reporting month (do not include complaints from prior months).

Emergency Regulation - The regulations adopted by the State Water Board on May 5, 2015 are available at http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/docs/emergency_regulations/adopted_regs_womarkup.pdf.

Jessica Bean

Engineering Geologist
Office of Research, Planning, and Performance
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814
916.341.5334



Applications > [Urban Water R-GPCD \(http://drinc.ca.gov/dnn/Applications/UrbanWaterR-GPCD.aspx\)](http://drinc.ca.gov/dnn/Applications/UrbanWaterR-GPCD.aspx)

Residential gallons-per-capita-day (R-GPCD) is calculated using the formula below from monthly Monitoring Reports submitted by urban water suppliers as required under emergency regulation.

$$\text{Monthly Water Production} * \text{Percentage Residential Use} \\ (\text{Population}) * (\text{Days in Month})$$

R-GPCD figures are compared with the 2013 baseline year's usage for the same period, the monthly average for the supplier's hydrological region, and the statewide average. Only suppliers with a calculated R-GPCD between 25 and 1000 are used in calculation of averages. For questions on this application, please contact the [DRINC Portal Administrator \(mailto:drinc@cdph.ca.gov?subject=GPCD\)](mailto:drinc@cdph.ca.gov).



(<http://saveourwater.com/>)

The California Water Plan Update BULLETIN 04 04

FIGURE ES1.2
California's Hydrologic Regions



ES1.5

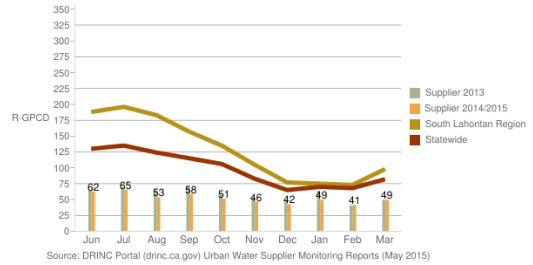
INTRODUCTION

It is not appropriate to use R-GPCD water use data for comparisons across water suppliers unless all relevant factors are accounted for. Factors that can affect per capita water usage include:

- Rainfall, temperature and evaporation rates – Precipitation and temperature varies widely across the state. Areas with high temperature and low rainfall need to use more water to maintain outdoor landscaping. Even within the same hydrological region or the same water supply district, these factors can vary considerably having a significant effect on the amount of water needed to maintain landscapes.
- Population growth – As communities grow, new residential dwellings are constructed with more efficient plumbing fixtures, which cause interior water use to decline per person as compared to water use in older communities. Population growth also increases overall demand.
- Population density – highly urbanized areas with high population densities use less water per person than do more rural or suburban areas since high density dwellings tend to have shared outdoor spaces and there is less landscaped area per person that needs to be irrigated.
- Socio-economic measures such as lot size and income – Areas with higher incomes generally use more water than areas with lower incomes. Larger landscaped residential lots that require more water are often associated with more affluent communities. Additionally, higher income households may be less sensitive to the cost of water, since it represents a smaller portion of household income.
- Water prices – Water prices can influence demand by providing a monetary incentive for customers to conserve water. Rate structures have been established in many districts for water conservation, but the effectiveness of these rate structures to deter excessive use and customer sensitivity to water prices vary.

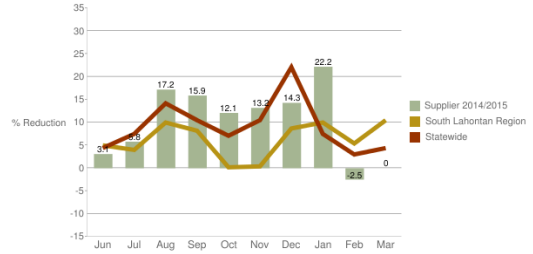
Crestline Village Water District (623)

Crestline Village Water District (623) Population: 7468
Calculated Residential Gallons-per-Capita-Day (R-GPCD) and Other Averages by Month



Source: DRINC Portal (drinc.ca.gov) Urban Water Supplier Monitoring Reports (May 2015)

Crestline Village Water District Water Use Reduction
From 2013 Year Baseline and Other Averages by Month
Cumulative Reduction: 10.7 Percent (%)



Source: DRINC Portal (drinc.ca.gov) Urban Water Supplier Monitoring Reports (May 2015)

These charts are generated dynamically from the production data set. To download a spreadsheet of the data, please click [HERE](http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/conservat) (http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/conservat) A "0" on the top chart indicates that a report has not been submitted for that month. The charts may not display properly using the Chrome browser.

ALL ACCOUNTS - ALL ZIP CODE
FROM BOOK 02 THRU 93

CONSUMPTION	1 PERIOD AGO		2 PERIODS AGO		3 PERIODS AGO		4 PERIODS AGO		5 PERIODS AGO		6 PERIODS AGO		AVERAGE	
	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF
0	1315	0	1370	0	1358	0	1223	0	1299	100	1230	0	1299	16-
1- 200	1087	155162	1129	160661	1135	162140	1148	163885	1106	156436	1098	155071	1117	158892
201- 400	909	316892	934	325932	963	333779	911	317776	929	322982	905	315863	925	322204
401- 600	708	383734	693	376111	702	381707	699	377455	748	407656	734	398685	714	387558
601- 700	221	154540	229	160222	215	150268	238	166520	203	141931	216	151105	220	154097
701- 800	185	147839	165	132000	153	122307	200	159907	175	139843	200	159767	179	143610
801- 900	137	123139	109	98100	119	107100	125	112500	137	123300	132	118800	126	113823
901-1000	103	102931	86	85906	81	81000	98	98000	94	94000	105	104903	94	94456
1001-1100	70	77000	59	64900	63	69227	64	70400	63	69202	78	85800	66	72754
1101-1200	46	55200	44	52800	29	34800	59	70708	41	49116	56	67200	45	54970
1201-1300	35	45500	30	39000	36	46800	34	44200	23	29900	29	37611	31	40501
1301+	133	355558	101	272525	95	266116	150	449501	131	375000	166	465417	129	364019
TOTALS	4949	1917495	4949	1768157	4949	1755244	4949	2030852	4949	1909266	4949	2060222	4949	1906872

CONSUMPTION	7 PERIODS AGO		8 PERIODS AGO		9 PERIODS AGO		10 PERIODS AGO		11 PERIODS AGO		12 PERIODS AGO		AVERAGE	
	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF
0	1213	0	1142	1000	1027	0	962	0	1144	0	1291	0	1129	166-
1- 200	993	138940	1017	146003	1039	145178	1020	141369	1014	143196	1046	147689	1021	143729
201- 400	860	298411	821	285197	811	282595	793	276244	785	274045	813	284643	813	283522
401- 600	739	401345	695	379297	691	377953	693	375753	655	355727	699	381198	695	378545
601- 700	225	157342	241	168528	277	193711	246	171941	261	182360	228	159600	246	172247
701- 800	201	160564	215	172000	220	175917	214	171018	224	179116	207	165600	213	170702
801- 900	147	132300	158	142116	169	152100	209	188030	154	138521	141	126900	163	146661
901-1000	108	107836	114	113820	125	124853	130	129903	138	137902	116	116000	121	121719
1001-1100	95	104500	107	117619	116	127503	124	136400	92	101200	91	100026	104	114541
1101-1200	66	79200	73	87600	68	81528	87	104206	86	103200	44	52730	70	84744
1201-1300	46	59800	64	83200	64	83200	79	102700	60	78000	45	58500	59	77566
1301+	256	687000	302	822029	342	1030100	392	1165639	336	1016400	228	618817	309	889997
TOTALS	4949	2327238	4949	2516409	4949	2774638	4949	2963203	4949	2709667	4949	2211703	4949	2583809

TOTAL ACTIVE & INACTIVE ACCOUNTS: 5071

BUSINESS - ALL ZIP CODE
FROM BOOK 02 THRU 93

CONSUMPTION	1 PERIOD AGO		2 PERIODS AGO		3 PERIODS AGO		4 PERIODS AGO		5 PERIODS AGO		6 PERIODS AGO		AVERAGE	
	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF
0	26	0	35	0	37	0	35	0	35	0	33	0	33	0
1- 200	47	6726	39	5500	42	5500	40	5200	43	6100	42	5800	42	5804
201- 400	11	3700	15	5200	14	4800	16	5500	18	6015	12	4200	14	4902
401- 600	19	10500	15	8100	14	7508	16	8600	10	5300	20	11200	15	8534
601- 700	7	4900	6	4200	5	3500	6	4200	3	2100	4	2800	5	3616
701- 800	4	3200	4	3200	6	4800	5	4000	7	5600	3	2400	4	3866
801- 900	4	3600	2	1800	4	3600	2	1800	6	5400	5	4500	3	3450
901-1000	0	0	5	5000	2	2000	2	2000	2	2000	4	4000	2	2500
1001-1100	1	1100	3	3300	4	4400	4	4400	2	2200	2	2200	2	2933
1101-1200	3	3600	2	2400	1	1200	5	6000	1	1200	2	2400	2	2800
1201-1300	4	5200	3	3900	1	1300	1	1300	2	2600	0	0	1	2383
1301+	33	139500	30	135325	29	118200	27	128100	30	134800	32	149600	30	134254
TOTALS	159	182026	159	177925	159	156808	159	171100	159	173315	159	189100	159	175045

CONSUMPTION	7 PERIODS AGO		8 PERIODS AGO		9 PERIODS AGO		10 PERIODS AGO		11 PERIODS AGO		12 PERIODS AGO		AVERAGE	
	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF	COUNT/	CONS. CF
0	28	0	28	0	23	0	29	0	31	0	23	0	27	0
1- 200	37	5400	40	5951	35	4914	28	4100	33	4335	46	6014	36	5119
201- 400	20	6600	15	5018	20	7000	19	6800	19	6400	15	4800	18	6103
401- 600	12	6900	15	8300	13	7600	12	6500	9	4700	12	6600	12	6766
601- 700	3	2100	6	4200	7	4900	4	2800	7	4900	9	6300	6	4200
701- 800	8	6400	5	4000	4	3200	6	4800	6	4800	2	1600	5	4133
801- 900	2	1800	3	2700	5	4500	5	4500	2	1800	1	900	3	2700
901-1000	1	1000	0	0	1	1000	3	3000	3	3000	2	2000	1	1666
1001-1100	5	5500	3	3300	2	2200	3	3300	2	2200	3	3300	3	3300
1101-1200	0	0	3	3600	0	0	1	1200	2	2400	2	2400	1	1600
1201-1300	2	2600	2	2600	3	3900	1	1300	0	0	2	2600	1	2166
1301+	41	202300	39	208600	46	263400	48	261900	45	241700	42	176507	43	225734
TOTALS	159	240600	159	248269	159	302614	159	300200	159	276235	159	213021	159	263489

PUBLIC AGENC - ALL ZIP CODE
FROM BOOK 02 THRU 93

CONSUMPTION	1 PERIOD AGO		2 PERIODS AGO		3 PERIODS AGO		4 PERIODS AGO		5 PERIODS AGO		6 PERIODS AGO		AVERAGE	
	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF
0	6	0	8	0	6	0	8	0	8	0	4	0	6	0
1- 200	5	800	2	200	4	500	2	200	2	300	2	200	2	366
201- 400	2	650	4	1350	3	1000	2	800	3	1200	3	1000	2	1000
401- 600	3	1600	2	1100	3	1600	1	600	0	0	0	0	1	816
601- 700	0	0	2	1400	1	700	0	0	1	700	2	1400	1	700
701- 800	0	0	0	0	0	0	3	2400	1	800	1	800	0	666
801- 900	1	900	0	0	1	900	0	0	1	900	0	0	0	450
901-1000	1	1000	1	1000	0	0	2	2000	1	1000	0	0	0	833
1001-1100	0	0	0	0	1	1100	2	2200	0	0	1	1100	0	733
1101-1200	2	2400	1	1200	1	1200	0	0	1	1200	3	3600	1	1600
1201-1300	0	0	0	0	0	0	1	1300	0	0	0	0	0	216
1301+	7	47500	7	19900	7	41600	6	46000	9	54800	11	85800	7	49266
TOTALS	27	54850	27	26150	27	48600	27	55500	27	60900	27	93900	27	56650

CONSUMPTION	7 PERIODS AGO		8 PERIODS AGO		9 PERIODS AGO		10 PERIODS AGO		11 PERIODS AGO		12 PERIODS AGO		AVERAGE	
	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF
0	6	0	7	0	4	0	4	0	5	0	4	0	5	0
1- 200	2	200	3	500	2	127	3	300	2	300	1	200	2	271
201- 400	2	600	1	400	3	1000	2	634	3	933	5	1633	2	866
401- 600	0	0	0	0	1	500	2	1200	1	600	0	0	0	383
601- 700	0	0	0	0	0	0	0	0	1	700	1	700	0	233
701- 800	1	800	1	800	1	800	0	0	0	0	1	800	0	533
801- 900	1	900	1	900	1	900	2	1800	0	0	1	900	1	900
901-1000	1	1000	1	1000	0	0	1	1000	0	0	0	0	0	500
1001-1100	0	0	1	1100	1	1100	1	1100	0	0	0	0	0	550
1101-1200	0	0	0	0	0	0	0	0	1	1200	0	0	0	200
1201-1300	1	1300	0	0	0	0	0	0	0	0	0	0	0	216
1301+	13	110300	12	121200	14	207300	12	226000	14	236700	14	119500	13	170166
TOTALS	27	115100	27	125900	27	211727	27	232034	27	240433	27	123733	27	174821

ALL RESIDENT - ALL ZIP CODE
FROM BOOK 02 THRU 93

CONSUMPTION	1 PERIOD AGO COUNT/CONS. CF		2 PERIODS AGO COUNT/CONS. CF		3 PERIODS AGO COUNT/CONS. CF		4 PERIODS AGO COUNT/CONS. CF		5 PERIODS AGO COUNT/CONS. CF		6 PERIODS AGO COUNT/CONS. CF		AVERAGE COUNT/CONS. CF	
0	1283	0	1327	0	1315	0	1180	0	1256	100	1193	0	1259	16-
1- 200	1035	147636	1088	154961	1089	156140	1106	158485	1061	150036	1054	149071	1072	152721
201- 400	896	312542	915	319382	946	327979	893	311476	908	315767	890	310663	908	316301
401- 600	686	371634	676	366911	685	372599	682	368255	738	402356	714	387485	696	378206
601- 700	214	149640	221	154622	209	146068	232	162320	199	139131	210	146905	214	149781
701- 800	181	144639	161	128800	147	117507	192	153507	167	133443	196	156567	174	139077
801- 900	132	118639	107	96300	114	102600	123	110700	130	117000	127	114300	122	109923
901-1000	102	101931	80	79906	79	79000	94	94000	91	91000	101	100903	91	91123
1001-1100	69	75900	56	61600	58	63727	58	63800	61	67002	75	82500	62	69088
1101-1200	41	49200	41	49200	27	32400	54	64708	39	46716	51	61200	42	50570
1201-1300	31	40300	27	35100	35	45500	32	41600	21	27300	29	37611	29	37901
1301+	93	168558	64	117300	59	106316	117	275401	92	185400	123	230017	91	180498
TOTALS	4763	1680619	4763	1564082	4763	1549836	4763	1804252	4763	1675051	4763	1777222	4763	1675177

CONSUMPTION	7 PERIODS AGO COUNT/CONS. CF		8 PERIODS AGO COUNT/CONS. CF		9 PERIODS AGO COUNT/CONS. CF		10 PERIODS AGO COUNT/CONS. CF		11 PERIODS AGO COUNT/CONS. CF		12 PERIODS AGO COUNT/CONS. CF		AVERAGE COUNT/CONS. CF	
0	1179	0	1107	1000	1000	0	929	0	1108	0	1264	0	1097	166-
1- 200	954	133340	974	139552	1002	140137	989	136969	979	138561	999	141475	982	138339
201- 400	838	291211	805	279779	788	274595	772	268810	763	266712	793	278210	793	276552
401- 600	727	394445	680	370997	677	369853	679	368053	645	350427	687	374598	682	371395
601- 700	222	155242	235	164328	270	188811	242	169141	253	176760	218	152600	240	167813
701- 800	192	153364	209	167200	215	171917	208	166218	218	174316	204	163200	207	166035
801- 900	144	129600	154	138516	163	146700	202	181730	152	136721	139	125100	159	143061
901-1000	106	105836	113	112820	124	123853	126	125903	135	134902	114	114000	119	119552
1001-1100	90	99000	103	113219	113	124203	120	132000	90	99000	88	96726	100	110691
1101-1200	66	79200	70	84000	68	81528	86	103006	83	99600	42	50330	69	82944
1201-1300	43	55900	62	80600	61	79300	78	101400	60	78000	43	55900	57	75183
1301+	202	374400	251	492229	282	559400	332	677739	277	538000	172	322810	252	494096
TOTALS	4763	1971538	4763	2142240	4763	2260297	4763	2430969	4763	2192999	4763	1874949	4763	2145498

MULTI-UNIT R - ALL ZIP CODE
FROM BOOK 02 THRU 93

CONSUMPTION	1 PERIOD AGO		2 PERIODS AGO		3 PERIODS AGO		4 PERIODS AGO		5 PERIODS AGO		6 PERIODS AGO		AVERAGE	
	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF
0	7	0	7	0	8	0	8	0	6	0	5	0	6	0
1- 200	5	802	4	500	4	700	3	500	5	800	5	600	4	650
201- 400	8	2700	10	3600	8	3000	5	1600	4	1400	7	2400	7	2450
401- 600	4	2300	5	2700	7	3900	6	3100	8	4200	8	4700	6	3483
601- 700	5	3500	0	0	1	700	4	2800	4	2800	0	0	2	1633
701- 800	0	0	4	3200	2	1600	2	1600	0	0	3	2400	1	1466
801- 900	2	1800	3	2700	2	1800	1	900	3	2700	3	2700	2	2100
901-1000	5	5000	3	3000	5	5000	2	2000	3	3000	4	4000	3	3666
1001-1100	5	5500	3	3300	4	4400	3	3300	6	6600	2	2200	3	4216
1101-1200	2	2400	2	2400	3	3600	3	3600	2	2400	3	3600	2	3000
1201-1300	0	0	1	1300	1	1300	4	5200	0	0	3	3900	1	1950
1301+	14	28100	15	29300	12	23000	16	32200	16	30700	14	27700	14	28500
TOTALS	57	52102	57	52000	57	49000	57	56800	57	54600	57	54200	57	53117

CONSUMPTION	7 PERIODS AGO		8 PERIODS AGO		9 PERIODS AGO		10 PERIODS AGO		11 PERIODS AGO		12 PERIODS AGO		AVERAGE	
	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF	COUNT	CONS. CF
0	6	0	7	0	4	0	5	0	7	0	7	0	6	0
1- 200	4	500	2	300	7	1100	4	600	3	500	4	600	4	600
201- 400	6	2000	6	2100	3	900	6	2000	5	1800	4	1400	5	1700
401- 600	5	2800	5	2800	6	3400	1	500	3	1700	4	2200	4	2233
601- 700	4	2800	4	2800	4	2800	5	3500	3	2100	5	3500	4	2916
701- 800	3	2400	4	3200	1	800	3	2400	5	4000	2	1600	3	2400
801- 900	4	3600	3	2700	6	5400	3	2700	4	3600	4	3600	4	3600
901-1000	1	1000	2	2000	1	1000	1	1000	1	1000	3	3000	1	1500
1001-1100	0	0	2	2200	1	1100	5	5500	3	3300	1	1100	2	2200
1101-1200	4	4800	4	4800	3	3600	0	0	2	2400	2	2400	2	3000
1201-1300	2	2600	3	3900	2	2600	3	3900	3	3900	2	2600	2	3250
1301+	18	32900	15	30600	19	42400	21	47200	18	41400	19	41300	18	39300
TOTALS	57	55400	57	57400	57	65100	57	69300	57	65700	57	63300	57	62700