

Letters or Comments Regarding This Plan



CALIFORNIA WATER SERVICE COMPANY

1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598 • (408) 367-8200

July 16, 2007

City of San Mateo
Robert Beyer, Community Development Director
330 West 20th Avenue
San Mateo, CA 94403

Dear Mr. Beyer,

Please find attached a draft copy of California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. Cal Water intends to provide the final form of the plan to the California Department of Water Resources on or before December 31, 2007. The review and comment period of this plan will end at close of business on September 28, 2007.

This Urban Water Management Plan is a foundation document and source of information for a Water Supply Assessment and a Written Verification of Water Supply. The Urban Water Management Plan also serves as a long-range planning document for water supply and can be a source document for cities and counties for the preparation of the General Plans. Review of this plan will benefit both of our organizations.

Please acknowledge that this report has been received and reviewed. Send any comment or question to my attention:

Thomas Salzano
Water Resources Planning Supervisor
1720 North First Street, San Jose, CA 95112
(408) 367-8340 (phone) (408) 367-8427 (fax)
tsalzano@calwater.com

Thank you for your time,

A handwritten signature in black ink that reads "Thomas A. Salzano".

Thomas A. Salzano
Water Resources Planning Supervisor

Bolzowski, Michael R.

From: Salzano, Tom
Sent: Friday, August 03, 2007 4:45 PM
To: Bolzowski, Michael R.
Subject: FW: Receipt of draft copy of 2007 Urban Water Management Plan

[Here is the other receipt letter I received.](#)
Tom

From: rbeyer@cityofsanmateo.org [mailto:rbeyer@cityofsanmateo.org]
Sent: Thursday, July 26, 2007 12:44 PM
To: Salzano, Tom
Cc: rmunekawa@cityofsanmateo.org; lpatterson@cityofsanmateo.org
Subject: Receipt of draft copy of 2007 Urban Water Management Plan

Mr. Salzano-- This is note is to inform you that I have received a draft copy of the California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. We will commence our review of the plan. If we have any questions, we will be incontact with you.

Bob Beyer

Robert F. Beyer
Director of Community Development
City of San Mateo
650-522-7152
rbeyer@cityofsanmateo.org.



CALIFORNIA WATER SERVICE COMPANY
1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598 • (408) 367-8200

July 16, 2007

City of San Carlos
Brian Moura, Assistant City Manager
600 Elm Street
San Carlos, CA 94070

Dear Mr. Moura,

Please find attached a draft copy of California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. Cal Water intends to provide the final form of the plan to the California Department of Water Resources on or before December 31, 2007. The review and comment period of this plan will end at close of business on September 28, 2007.

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Thomas A. Salzano
Water Resources Planning Supervisor

CITY OF SAN CARLOS

CITY COUNCIL

THOMAS J. DAVIDS, MAYOR
BRADFORD LEWIS, VICE MAYOR
ROBERT GRASSILLI
MATTHEW GROCOTT
INGE TIEGEL DOHERTY



CITY MANAGER
600 ELM STREET
SAN CARLOS, CALIFORNIA 94070-3085
TELEPHONE: (650) 802-4228
FAX: (650) 595-6729
WEB: <http://www.cityofsancharlos.org>

July 30, 2007

Thomas Salzano
Water Resources Planning Supervisor
1720 North First Street
San Jose, CA 95112

Dear Mr. Salzano:

We are in receipt of the California Water Service Company 2007 Urban Water Management Plan and have forwarded it to Parviz Mokhtari, our Director of Public Works, for review.

He will be supplying the district with his comments on behalf of the City of San Carlos.

Regards,

A handwritten signature in black ink, appearing to read "Brian Moura".

Brian Moura
Assistant City Manager

Cc: Parviz Mokhtari, Public Works Director



CALIFORNIA WATER SERVICE COMPANY
1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598 • (408) 367-8200

July 16, 2007

Bay Area Water Supply and Conservation Agency
Art Jensen, General Manager
155 Bovet Road, Suite 302
San Mateo, CA 94402

Dear Mr. Jensen,

Please find attached a draft copy of California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. Cal Water intends to provide the final form of the plan to the California Department of Water Resources on or before December 31, 2007. The review and comment period of this plan will end at close of business on September 28, 2007.

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Thomas Salzano
Water Resources Planning Supervisor
1720 North First Street, San Jose, CA 95112
(408) 367-8340 (phone) (408) 367-8427 (fax)
tsalzano@calwater.com

Thank you for your time,

A handwritten signature in black ink that reads "Thomas A. Salzano". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Thomas A. Salzano
Water Resources Planning Supervisor



CALIFORNIA WATER SERVICE COMPANY
1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598 • (408) 367-8200

July 16, 2007

San Francisco Public Utilities Commission
Greg Bartow, Integrated Water Resources Manager
1145 Market St., Suite 401
San Francisco, CA 94103

Dear Mr. Bartow,

Please find attached a draft copy of California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. Cal Water intends to provide the final form of the plan to the California Department of Water Resources on or before December 31, 2007. The review and comment period of this plan will end at close of business on September 28, 2007.

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Thomas A. Salzano
Water Resources Planning Supervisor



CALIFORNIA WATER SERVICE COMPANY

1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598 • (408) 367-8200

July 16, 2007

San Francisco Public Utilities Commission - Planning Bureau
Ms. Ellen Levin
1145 Market Street, Suite 401
San Francisco, CA 94103

Dear Ms. Levin,

Please find attached a draft copy of California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. Cal Water intends to provide the final form of the plan to the California Department of Water Resources on or before December 31, 2007. The review and comment period of this plan will end at close of business on September 28, 2007.

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Thomas A. Salzano
Water Resources Planning Supervisor



CALIFORNIA WATER SERVICE COMPANY
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July 16, 2007

San Mateo County Planning & Building Department
Matt Seubert, Senior Planner
455 County Center
Redwood City, CA 94063

Dear Mr. Seubert,

Please find attached a draft copy of California Water Service Company's 2007 Urban Water Management Plan for the Mid-Peninsula District. This plan, as required by the California Water Code §10644(a), is made available to cities and counties within the district service area for review and comment. Cal Water intends to provide the final form of the plan to the California Department of Water Resources on or before December 31, 2007. The review and comment period of this plan will end at close of business on September 28, 2007.

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tsalzano@calwater.com

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Thomas A. Salzano
Water Resources Planning Supervisor

Bolzowski, Michael

From: Salzano, Tom
Sent: Thursday, November 03, 2005 12:51 PM
To: Bolzowski, Michael
Subject: FW: UWMP ~ Important Clarification on How To Use Data Sent To You From SFPUC
Importance: High
Attachments: uwmp reliability_example_burl.pdf

Michael,
 Can you decipher this? Do you recall a June 1 letter?
 Tom

From: Nicole Sandkulla [mailto:NSandkulla@bawsca.org]
Sent: Thursday, November 03, 2005 12:44 PM
To: Alex Ameri (E-mail); Bob Wilson (E-mail); Cathy Lazarus (E-mail); Cathy Remeleh (E-mail); Chu Chang (E-mail); cyrus@csgengr.com; cyrus@csgwebsite.com; Darryl Barrow (E-mail); Darryl Wong (E-mail); Duncan, Darin; Dennis Ma (E-mail); Doug Chun (E-mail); Ed Schmidt (E-mail); Fernando Bravo (E-mail); George Bagdon (E-mail); Girish Balachandran (E-mail); garmendariz@ci.milpitas.ca.gov; James Craig (E-mail); Jane Ratchye (E-mail); Weber, Jeannette; Jerry Flanagan (E-mail); Karl Stinson (E-mail); Kent Steffens (E-mail); Kevin O'Connell (E-mail); Khee Lim (E-mail); Lucy Xavier (Email); Mansour Nasser (E-mail); Marilyn Mosher (E-mail); marty@bonair.stanford.edu; Mike Anderson (E-mail); Patrick Sweetland (E-mail); Patrick Walter (Email); Paul Regan MPWD (E-mail); Peter Ingram (E-mail); Peter Skinner Senior Administrative Analyst (E-mail); Phil Witt (E-mail); Randy Breault (E-mail); Ray Towne (E-mail); Robert Howard (Email); Robin G. Saunders (E-mail); Ron Popp (E-mail); Ruben Nino (E-mail); Scott Munns (E-mail); Stanley Gage (E-mail); Syed Murtuza (E-mail); Tammy Hannon (E-mail); Tim Kirby (E-mail); Tracy Ingebrigtsen
Cc: Amanda Cox (Email); David Bishop (Email); Eric Cartwright (Email); Jim Teter (E-mail); John Ulrich (E-mail); MikeG@bonair.Stanford.edu; Guzzetta, Rob; Tammy Hannon (E-mail); ajensen@bawsca.org; Benjamin Pink; Ray E. McDevitt; Salzano, Tom; Dave Bishop ; Valeria Rose; JBWhitcomb@aol.com; Zadeh, Jessica; nicole.quesada@sanjoseca.gov
Subject: UWMP ~ Important Clarification on How To Use Data Sent To You From SFPUC
Importance: High

Dear BAWSCA Representatives,

On June 1, 2005 each BAWSCA agency was sent a letter from Paula Kehoe, SFPUC, transmitting to you key information that your agency needs for preparing the water supply reliability information for your UWMP. Several agencies have called with questions about this data and how to utilize it. This email will provide some clarification of that data's use in your UWMP current and projected water supply reliability sections.

The information in question addresses (1) current and (2) projected (in 5 year increments) supply reliability in both normal years and single and multiple dry years. For the purposes of these exercises, the SFPUC modeling and historical hydrological sequence provides that the Single Dry Year (One Critical Year) is 1987 and the Multiple Dry Years are 1987, 1988, and 1989.

The June 1st letter from the SFPUC contains 3 tables that have been individualized for each BAWSCA agency. Each table has been specifically developed to correspond to individual BAWSCA agency purchase requests sent to SFPUC last spring.

To make it easier to learn how to use these 3 tables, I've prepared an example using City of Burlingame. I'll describe each step in the table below using Burlingame as an example and have attached marked up copies of Burlingame's Tables 1 and 3.

TABLE 1 PROVIDES CURRENT (2005) SUPPLY RELIABILITY INFORMATION:

Column 2, bottom line, shows how much water SFPUC would provide to your agency if there was no drought TODAY (0% system-wide drought)

Column 3, bottom line, shows how much water SFPUC would provide to your agency if there was one critical year TODAY (10% system-wide drought)

Columns 4-6, bottom line, show how much water SFPUC would provide to your agency if there was multiple dry years TODAY (10%, 20%, and 20% system-wide drought respectively)

Example:

Current Year (2005)

Burlingame Purchase Request = 4.77 mgd

Single Dry Year supply to Burlingame = 4.36 mgd

Multiple Dry Year supply to Burlingame = 4.36 mgd, 3.79 mgd, and 3.79 mgd respectively.

TABLE 2 IDENTIFIES THE WATER SUPPLY OPTIONS INCLUDED IN THE SFPUC WATER SYSTEM IMPROVEMENT PROGRAM THAT RESULT IN THE WATER SUPPLY RELIABILITY SHOWN IN TABLE 3 FOR YOUR AGENCY.

Column 1 identifies the specific water supply option (e.g. Crystal Spring Reservoir returned to full operating capacity of 22 bg)

Columns 2-6 show when that option comes on line. An "X" means it is implemented at its full capacity and a number means that it is being implemented incrementally.

TABLE 3 PROVIDES THE PROJECTED (FUTURE) SUPPLY RELIABILITY INFORMATION FOR YOUR AGENCY IN NORMAL YEARS, SINGLE CRITICAL YEAR, AND MULTIPLE DRY YEAR SCENARIOS:

Row 2 shows the purchase requests that an individual BAWSCA agency provided to SFPUC for years 2010, 2015, 2020, 2025, and 2030.

Column 1 shows the historical years included in the SFPUC historical hydrological sequence used for this modeling. The base year for a Single Dry Year is 1987. The base years for the Multiple Dry Years are 1987, 1988, and 1989.

Table 3 provides all the information each BAWSCA agency needs to identify the single critical year and multiple dry year supply available to it from SFPUC from 2010-2030 (in 5 year increments).

Example:

Year 2010

Burlingame asked for 4.80 mgd

Single Dry Year = 4.80 (1987, Single Dry Year)

Multiple Dry Years = 4.80 mgd (1987, Year 1), 4.51 mgd (1988, Year 2), and 4.51 mgd (1989, Year 3)

Year 2015

Burlingame asked for 4.62 mgd

Single Dry Year = 4.62 mgd (1987, Single Dry Year)

Multiple Dry Years = 4.62 mgd (1987, Year 1), 4.58 mgd (1988, Year 2), 4.58 mgd (1989, Year 3)

I hope this information is helpful to each of you as you complete your UWMPs.

PLEASE REVIEW YOUR CURRENT DRAFT UWMP AND BE SURE THAT THIS INFORMATION IS CORRECTLY INCLUDED IN YOUR PLAN. IT IS VERY IMPORTANT THAT YOUR UWMP REFLECT THIS INFORMATION ACCURATELY.

If you have any questions, please call either myself or Benjamin Pink at the BAWSCA office.

Nicole

Nicole M. Sandkulla, P. E.
Senior Water Resources Engineer
Bay Area Water Supply and Conservation Agency
155 Bovet Road, Suite 302
San Mateo, CA 94402
Ph: (650) 349-3000 Fax: (650) 349-8395
EMail: NSandkulla@BAWSCA.org
Website: WWW.BAWSCA.org

TABLE 1 EXAMPLE → Burlingame

Table 1
Projected Burlingame, City of Deliveries for Three Multiple Dry Years Given Year 2005 Purchase Request

	Purchase Request Year 2005 mgd	One Critical Dry Year	Current Deliveries during Multiple Dry Years in mgd		
			Year 1	Year 2	Year 3
System-Wide Shortage in Percent	0%	10%	10%	20%	20%
BAWSCA Allocation mgd	177.9	167.4	167.4	138.9	138.9
Burlingame, City of	4.77	4.36	4.36	3.79	3.79

Table 2

UWMP Studies: Water Supply Reliability
Water Supply Options for Years 2010 through 2030

	2010	2015	2020	2025	2030
Crystal Springs Reservoir (22bg)	x	x	x	x	x
Westside Basin Groundwater afa	4,500	7,000	8,100	8,100	8,100
Calaveras Reservoir Recov. (31.5 bg)		x	x	x	x
Districts' Transfer afa	23,200	23,200	29,000	29,000	29,000

"Current"
Single
Dry
Year

"Current"
Multiple
Dry Year

TABLE 3 Example ~> Burlingame

→ Purchase Request (2010)
→ Purchase Request (2015)

Table 3

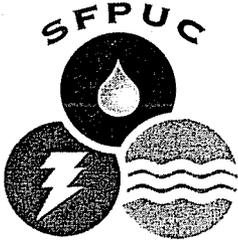
Allocation	SFPUC Purchase: Burlingame, City of mgd					SFPUC Purchase: All Wholesale Customers mgd				
	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
	Projected Delivery in mgd					Projected System-wide Delivery in mgd				
Delivery for Year beginning July 1	2010	2015	2020	2025	2030	2010	2015	2020	2025	2030
1920	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1921	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1922	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1923	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1924	4.80	4.62	4.60	4.62	5.01	188.9	191.6	197.5	203.6	185.7
1925	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1926	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1927	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1928	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1929	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1930	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1931	4.51	4.58	4.72	4.87	4.37	167.3	169.7	175.0	180.5	161.9
1932	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1933	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1934	4.51	4.62	4.60	4.62	5.01	167.3	191.6	197.5	203.6	185.7
1935	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1936	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1937	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1938	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1939	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1940	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1941	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1942	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1943	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1944	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1945	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1946	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1947	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1948	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1949	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1950	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1951	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1952	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1953	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1954	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1955	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1956	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1957	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1958	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1959	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1960	4.80	4.62	4.60	4.62	5.01	188.9	191.6	197.5	203.6	185.7
1961	4.51	4.58	4.72	4.24	4.37	167.3	169.7	175.0	157.4	161.9
1962	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1963	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1964	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1965	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
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1969	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1970	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1971	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1972	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1973	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1974	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1975	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1976	4.80	4.62	4.60	4.62	5.01	188.9	191.6	197.5	203.6	185.7
1977	3.93	4.58	4.72	4.24	4.37	145.6	169.7	175.0	157.4	161.9
1978	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1979	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1980	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1981	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1982	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1983	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1984	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1985	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1986	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1987	4.80	4.62	4.60	4.62	5.01	188.9	191.6	197.5	203.6	185.7
1988	4.51	4.58	4.72	4.87	4.37	167.3	169.7	175.0	180.5	161.9
1989	4.51	4.58	4.72	4.87	5.01	167.3	169.7	175.0	180.5	185.7
1990	3.93	4.58	4.11	4.24	4.37	145.6	169.7	152.5	157.4	161.9
1991	3.93	3.99	4.11	4.24	4.37	145.6	147.8	152.5	157.4	161.9
1992	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1993	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1994	4.80	4.62	4.60	4.62	5.01	188.9	191.6	197.5	203.6	185.7
1995	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4
1996	4.80	4.62	4.60	4.62	4.68	188.9	191.6	197.5	203.6	209.4

Single Dry Yr. (2010)

Multi Dry Year Supply (2010)

Multi-Dry Year (2015)

Single Dry Year (2015)



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PLANNING BUREAU

1145 Market Street, Suite 401 San Francisco, CA 94103 • Tel. (415) 934-5700 • Fax (415) 934-5751



June 1, 2005

California Water Service Co.
Darin Duncan
3351 El Camino Real, Suite 190
Atherton, CA 94027

Dear Mr. Duncan:

On May 27, 2005, the San Francisco Public Utilities Commission (SFPUC) sent you a letter with information pertaining to the SFPUC's water supply reliability to assist you with the development of your Urban Water Management Plan.

Upon review of the 2005 wholesale purchase projections used in the analysis, it was determined that there was a miscommunication on the figures used for the 2005 water purchase projections. The SFPUC used the average purchase estimate rather than the FY 03-04 purchase estimate shown in BAWSCA's *Attachment A-3 Sample Calculation*. Enclosed is the revised projection of FY 03-04 and is reflected in Table 1.

We apologize for any inconvenience this may have caused. Please do not hesitate to contact me if you have any questions or comments. I can be reached at (415) 554-0792.

Sincerely,

Paula Kehoe
Manager of Water Resources Planning

cc: Nicole Sandkulla

Attachment A-3 Sample Calculation
23.6% Average Suburban Reduction from FY 03-04 Purchases
(Units in million gallons per day unless otherwise noted)

Suburban Purchasers	Allocation Basis			Unadjusted Allocations			Allocations Adj. for Santa Clara & San José			Final Individual Share		
	First Fixed Component	Second Fixed Component	Variable Component	Allocation Factors	Initial Shortage Allocation	FY 03-04 Purchases	Initial Purchase Outback	Subtotal Allocation Factors	Adjusted Shortage Allocation		Adjusted Purchase Outback	
ACWD	13.76	11.95	12.25	7.10%	9.65	12.31	-2.66	7.47%	9.76	-2.55	-20.72%	7.18%
Belmont	3.89	3.26	3.44	1.98%	2.69	3.52	-0.82	2.08%	2.72	-0.79	-22.55%	2.00%
Brisbane	0.46	0.30	0.39	0.22%	0.29	0.39	-0.10	0.23%	0.30	-0.09	-24.16%	0.22%
Burlingame	5.23	4.68	4.72	2.74%	3.72	4.77	-1.05	2.88%	3.76	-1.01	-21.17%	2.77%
Coastside	2.18	1.35	1.78	0.99%	1.35	1.89	-0.54	1.04%	1.36	-0.53	-27.87%	1.00%
Cordilleras	0.01	0.01	0.00	0.00%	0.00	0.01	0.00	0.00%	0.00	0.00	-24.12%	0.00%
CWS Total	35.50	33.51	36.21	19.68%	26.74	38.25	-11.51	20.70%	27.05	-11.20	-29.27%	19.90%
Daly City	4.49	4.49	4.72	2.56%	3.48	4.94	-1.46	2.70%	3.52	-1.42	-28.71%	2.59%
East Palo Alto	2.18	2.10	2.09	1.19%	1.62	2.19	-0.58	1.25%	1.64	-0.56	-25.37%	1.20%
Estero	7.23	5.45	5.49	3.40%	4.62	5.58	-0.96	3.58%	4.67	-0.90	-16.21%	3.44%
Guadalupe	0.52	0.27	0.33	0.21%	0.29	0.33	-0.04	0.22%	0.29	-0.04	-12.00%	0.21%
Hayward	24.00	17.56	18.30	11.19%	15.22	19.59	-4.38	11.78%	15.39	-4.20	-21.45%	11.32%
Hillsborough	4.09	3.60	3.78	2.14%	2.92	3.91	-1.00	2.26%	2.95	-0.97	-24.67%	2.17%
Los Trancos*												0.00%
Menlo Park	4.24	3.43	3.58	2.10%	2.86	3.84	-0.98	2.21%	2.89	-0.95	-24.69%	2.13%
Millbrae	3.15	2.64	2.39	1.53%	2.08	2.58	-0.50	1.61%	2.11	-0.47	-18.31%	1.55%
Milpitas	9.23	6.80	6.94	4.30%	5.84	7.10	-1.27	4.52%	5.91	-1.20	-16.87%	4.34%
Mountain View	13.46	10.36	10.91	6.50%	8.83	10.96	-2.13	6.83%	8.93	-2.03	-18.49%	6.57%
North Coast	3.84	3.29	3.48	1.98%	2.70	3.59	-0.89	2.09%	2.73	-0.86	-23.94%	2.01%
Palo Alto	17.07	12.96	13.06	8.06%	10.95	13.33	-2.38	8.48%	11.08	-2.25	-16.90%	8.15%
Purissima Hills	1.85	1.85	2.19	1.10%	1.49	2.31	-0.81	1.16%	1.51	-0.79	-34.47%	1.11%
Redwood City	10.93	10.92	11.73	6.28%	8.53	12.16	-3.63	6.61%	8.63	-3.53	-29.00%	6.35%
San Bruno	3.25	2.01	2.43	1.44%	1.95	2.41	-0.46	1.51%	1.97	-0.43	-18.03%	1.45%
Skyline	0.18	0.16	0.17	0.10%	0.13	0.18	-0.05	0.10%	0.13	-0.05	-27.74%	0.10%
Stamford	3.03	2.58	2.43	1.50%	2.04	2.51	-0.47	1.58%	2.07	-0.45	-17.83%	1.52%
Sunnyvale	12.58	10.73	9.56	6.14%	8.35	9.84	-1.49	6.46%	8.45	-1.39	-14.17%	6.22%
Westborough	1.32	0.98	1.01	0.62%	0.84	0.97	-0.13	0.65%	0.85	-0.12	-11.97%	0.63%
Subtotal	187.67	157.23	163.38		129.20	169.48	-40.28	100.00%	130.70	-38.78	-22.88%	
San José	2.68	4.10	4.65	2.14%	2.91	4.84	-1.94		2.91	-1.94	-40.03%	2.14%
Santa Clara	6.57	4.72	3.77	2.82%	3.83	3.59	0.23		2.33	-1.27	-35.22%	1.71%
Total	196.92	166.06	171.80	100.00%	135.93	177.92	-41.99		135.93	-41.99	-23.60%	100.00%

Derivation of the Santa Clara/San José adjustment:

1. Largest permanent customer cutback: -35.22%
- 2a. Adjusted Santa Clara shortage allocation: 2.33 (Applying largest permanent customer cutback)
- 2b. Santa Clara adjustment: -1.50 (Difference between initial and adjusted alloc.)
- 3a. Adjusted San José shortage allocation: 3.14 (Applying largest permanent customer cutback)
- 3b. San José adjustment: 0.00 (Difference between initial and adjusted alloc.)
4. Total Adjustment: -1.50 (2b + 3b)

*All values associated with Los Trancos County Water District have been included within Cal Water value

Attachment A-3. Suburban Shortage Allocations

Assumptions and Column Notes

Avg. Shortage for the Suburban Purchasers = 23.6%
Water available to the Suburban Purchasers = 135.93 mgd

Column notes:

Allocation Basis. The Allocation Basis is used for calculating Allocation Factors and is the average of the following three components:

1. First Fixed Component: The greater of either the Supply Assurance values or the three-year average of SFPUC purchases for FYs 1996-97, 1997-98, and 1998-99, with certain exceptions.
 - a. Daly City's and Purissima Hill's values are based on their three-year averages, which is greater than their Supply Assurance values.
 - b. Hayward's and Estero's values are based on their 2010-11 projected purchases, as reported in the BAWUA, 1997-98 Annual Survey.
 - c. San José's and Santa Clara's values are based on the water supply caps in their individual water supply contracts with the SFPUC.
2. Second Fixed Component: The average of SFPUC purchases for FYs 1996-97, 1997-98, and 1998-99.
3. Variable Component: The rolling three-year average, updated annually, beginning with FYs 1996-97, 1997-98, and 1998-99.
4. Average: The average of columns 1, 2, and 3.

Unadjusted Allocations. The initial shortage allocations in column 6 are adjusted for Santa Clara and San José in columns 10 through 13.

5. Allocation Factors: The ratio of each Suburban Purchaser's column 4 average to the column 4 total.
6. Initial Shortage Allocation: The product of each Suburban Purchaser's column 5 Allocation Factor times the column 6 total, which represents the assumed available water supply.
7. FY 2003-04 Purchases: The most recent year's purchases to which the Shortage Allocation can be compared to determine the effective outback.
8. Purchase Outback: Column 6 minus column 7, in mgd.
9. Purchase Outback: The ratio of column 8 to column 7, in percent.

Allocations Adjusted for Santa Clara and San José. This adjustment is made so that Santa Clara's and San José's cutbacks are at least as great as the highest outback by the permanent customers. In this example, there is no adjustment required for San José because the formula results in an unadjusted outback that is already greater than the highest outback by a permanent customer.

10. Subtotal Allocation Factors: The ratio of each permanent Suburban Purchaser's column 4 average to the column 4 subtotal.
11. Adjusted Shortage Allocation: The product of each Suburban Purchaser's column 10 Subtotal Allocation Factor times the Column 11 subtotal.
 - a. The column 11 subtotal is the sum of the column 6 subtotal plus the Santa Clara adjustment.
 - b. The Santa Clara adjustment is the difference between its column 6 Initial Shortage Allocation and its Adjusted Shortage Allocation.
 - c. Santa Clara's Adjusted Shortage Allocation is the product of its column 4 average and the largest Purchase Outback received by the permanent Suburban Purchasers.
12. Adjusted Purchase Outback: Column 11 minus column 7, in mgd.
13. Adjusted Purchase Outback: The ratio of column 12 to column 7, in percent.

Table 1
Projected Cal Water Deliveries for Three Multiple Dry Years Given Year 2005 Purchase Request

	Purchase Request Year 2005 mgd	One Critical Dry Year	Current Deliveries during Multiple Dry Years in mgd		
			Year 1	Year 2	Year 3
System-Wide Shortage in Percent	0%	10%	10%	20%	20%
BAWSCA Allocation mgd	177.9	157.4	157.4	136.8	136.8
Cal Water	38.25	31.32	31.32	27.23	27.23

Table 2

UWMP Studies: Water Supply Reliability					
Water Supply Options for Years 2010 through 2030					
	2010	2015	2020	2025	2030
Crystal Springs Reservoir (22bg)	x	x	x	x	x
Westside Basin Groundwater afa	4,500	7,000	8,100	8,100	8,100
Calaveras Reservoir Recov. (31.5 bg)		x	x	x	x
Districts' Transfer afa	23,200	23,200	29,000	29,000	29,000



SAN FRANCISCO PUBLIC UTILITIES COMMISSION

PLANNING BUREAU

1145 Market Street, Suite 401 San Francisco, CA 94103 • Tel. (415) 934-5700 • Fax (415) 934-5751



May 27, 2005

California Water Service Co.
Darin Duncan
3351 El Camino Real, Suite 190
Atherton, CA 94027

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ADAM WERBACH
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SUSAN LEAL
GENERAL MANAGER

Dear Mr. Duncan:

Thank you for providing us with your agency purchase estimate from the San Francisco Public Utilities Commission (SFPUC) for the years 2010, 2015, 2020, 2025 and 2030. With the information you provided, the SFPUC has assessed the water supply reliability under the following planning scenarios:

- Projected Single dry-year supply for 2005;
- Projected Multiple dry-year supply beginning 2005; and
- Projected supply reliability for years 2010, 2015, 2020, 2025 and 2030.

Table 1 summarizes your agency's deliveries for projected single dry-year supply for 2005 and projected multiple dry-year supply beginning 2005.

With regards to future demands, the SFPUC will expand their water supply portfolio by increasing the types of water supply resources. Table 2 summarizes the water supply resources assumed to be available by year through 2030. This expanded supply portfolio is consistent with the SFPUC's adopted Water Supply Master Plan (2000), adopted Capital Improvement Program (2002) and Water Supply Improvement Program.

Concerning allocation of supply during dry years, the Interim Water Shortage Allocation Plan (IWSAP) was utilized to allocate shortages (1) between the SFPUC and BAWSCA agencies as a whole and (2) among BAWSCA agencies. The IWSAP was adopted in 2000 after a multi-year process of development involving a steering committee representative of all wholesale agencies. While the IWSAP is scheduled to expire in 2009, along with the Master Contract, it represents the most reasonable basis for estimating the impacts of a 20% system-wide shortage.

Finally, the SFPUC estimated the frequency and severity of anticipated shortages given projected demands and system configurations for the period 2010 through 2030. For this analysis, we assumed that the historical hydrologic period is indicative of future events and evaluated the supply reliability assuming a repeat of the actual historic hydrological period 1920 through 2002. Again, this hydrological analysis is consistent with the planning efforts that have been adopted to date by the Commission and that are currently ongoing with the development of the Water System Improvement Program. The results of that analysis are summarized in Table 3 for years 2010, 2015, 2020, 2025 and 2030.

If you have any questions or need additional information, please do not hesitate to contact me at (415) 554-0792.

Sincerely,


Paula Kehoe
Manager of Water Resources Planning

cc: Nicole Sandkulla

Table 1

Projected Cal Water Deliveries for Three Multiple Dry Years Given Year 2005 Purchase Request

	Purchase Request Year 2005 mgd	One Critical Dry Year	Current Deliveries during Multiple Dry Years in mgd		
			Year 1	Year 2	Year 3
System-Wide Shortage in Percent	0%	10%	10%	20%	20%
BAWSCA Allocation mgd	178.3	157.7	157.7	137.1	137.1
Cal Water	35.08	31.39	31.39	27.30	27.30

Table 2

UWMP Studies: Water Supply Reliability

Water Supply Options for Years 2010 through 2030

	2010	2015	2020	2025	2030
Crystal Springs Reservoir (22bg)	x	x	x	x	x
Westside Basin Groundwater afa	4,500	7,000	8,100	8,100	8,100
Calaveras Reservoir Recov. (31.5 bg)		x	x	x	x
Districts' Transfer afa	23,200	23,200	29,000	29,000	29,000



CALIFORNIA WATER SERVICE COMPANY

1720 NORTH FIRST STREET • SAN JOSE, CA 95112-4598
(408) 367-8200

January 5, 2006

Benjamin Pink
Bay Area Water Supply and Conservation Agency
155 Bovet Road, Suite 302
San Mateo, CA 94402

Dear Mr. Pink,

Per your request, please find enclosed the Urban Water Management Plans for the South San Francisco and Mid-Peninsula Districts. Should you have any questions, please do not hesitate to call Michael Bolzowski at 408-367-8338 or myself at 408-367-8340.

Regards,

A handwritten signature in black ink that reads "Thomas A. Salzano".

Thomas A. Salzano
Water Resource Planning Supervisor
1720 North First Street
San Jose, CA 95112-4598

TAS:mrB