Appendix B

Public Outreach Materials

Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

Master List for 2010 SCV UWMP Notification of Workshops and Draft Availability

Jarrod Degonia Assemblymember Cameron Smyth 23734 Valencia Blvd. #303 Santa Clarita, CA 91355		Ernie Villegas Assemblymember Jeff Gorell 2659 Townsgate Road, Suite 236 Westlake Village, CA 91361
Dana Nielsen Assemblymember Audra Strickland 2659 Townsgate Road, Suite 236 Westlake Village, CA 91361		Kevin Korenthal Associated Builders & Contractors of CA; ABC-CCC 28005 Smyth Dr., Suite 129 Valencia, CA 91355
Holly Schroeder BIA - Los Angeles/Ventura Chapter 28480 Avenue Stanford, Suite 240 Santa Clarita, CA 91355		Sandy Sanchez BIA - Los Angeles/Ventura Chapter 28481 Avenue Stanford, Suite 240 Santa Clarita, CA 91355
David Inouye CA Department of Water Resources 770 Fairmont Avenue, Suite 102 Glendale, CA 91203-1035		Robert Kelly Castaic Area Town Council P.O. Box 325 Castaic, CA 91310
Mike Murphy City of Santa Clarita 23920 Valencia Blvd.#300 Santa Clarita, CA 91355		Jason Smisko City of Santa Clarita 23920 Valencia Blvd.#300 Valencia, CA 91355
Bruce Fortine College of the Canyons 24153 Tossano Drive Valencia, CA 91355-2010		Bob Haueter Congressman Howard McKeon 26650 The Old Road # 203 Santa Clarita, CA 91355
Chris Stephens County of Ventura Resource Management Agency 800 South Victoria Ave Ventura, CA 93009		Ron Bottorff Friends of the Santa Clara River 660 Randy Drive Newbury Park, CA 91320-3036

Mark Pestrella LA County Department of Public Works 900 South Fremont Ave Alhambra, CA 91803		Richard Bruckner LA County Department of Regional Planning 1390 Hall of Records, 320 West Temple Street Los Angeles, CA 90012
Jessica Bunker LA County WWD P.O. Box 1460 Alhambra, CA 91802-1460		Lynn Plambeck Santa Clarita Organization for Planning the Environment - SCOPE P.O. Box 1182 Canyon Country, CA 91386-1182
Robert Fleck Santa Clarita Valley Well Owners Association 16654 Soledad Canyon Road Santa Clarita, CA 91387		Terry Kingery SCV Chamber of Commerce 27451 Tourney Road, #160 Santa Clarita, CA 91355
Ed Masterson SCV Chamber of Commerce 27451 Tourney Road, #160 Santa Clarita, CA 91355		Sierra Club Angeles Chapter 3435 Wilshire Blvd # 320 Los Angeles, CA 90010-1904
Mark Butala Southern CA Association of Governments 818 W. Seventh Street, 12th Floor Los Angeles, CA 90017		Jackie Bick State Senator George Runner 23920 Valencia Blvd. Ste. 250 Santa Clarita, CA 91355
Jackie Bick State Senator Sharon Runner 23920 Valencia Blvd. Ste. 250 Santa Clarita, CA 91355		Scott Wilk Jr. State Senator Tony Strickland 2655 First St., Suite 230 Simi Valley, CA 93065
David Perry Supervisor Michael Antonovich, 5th District 23920 Valencia Blvd. # 265 Santa Clarita, CA 91355		Rosalind Wayman Supervisor Michael Antonovich, 5th District 23920 Valencia Blvd. # 265 Valencia, CA 91355

E. Michael Solomon United Water Conservation District 106 N 8th Street Santa Paula, CA 93060		Kathy Norris Valley Industrical Association of Santa Clarita (VIA) 25709 Rye Cyn Rd #105 Santa Clarita, CA 91355
Ron Mechsner West Ranch Town Council 25876 The Old Road #213 Stevenson Ranch, CA 91381		*** Orgs shaded above will receive letter return receipt requested

May 2010 UWMP Workshop
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

May 10, 2010

«AddressBlock»

Subject: 2010 Urban Water Management Plan

«GreetingLine»

The Santa Clarita Valley's water agencies, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have begun to prepare the 2010 Urban Water Management Plan (UWMP). The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

In an effort to ensure all interested parties are fully informed and involved in our process, we have scheduled the first of several community workshops as follows:

Date:	Tuesday, May 25, 2010
Time:	4:00 pm
Location:	Castaic Lake Water Agency 27234 Bouquet Canyon Road

The purpose of this kick-off workshop is to present an overview of the state requirements and outline of the contents of the 2010 Urban Water Management Plan. I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV UWMP

Government Affairs, Public Relations & Communication
P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

Santa Clarita Valley
2010 Urban Water Management Plan

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

The Signal
5-18-10

Announce the preparation of the
2010 Urban Water Management Plan

The Urban Water Management Plan. mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water. We encourage your input, interest and involvement.

Kick Off Community Workshop

Date: **Tuesday, May 25, 2010**

Time: **4:00 pm**

Location: **Castaic Lake Water Agency**
27234 Bouquet Canyon Road

Purpose:

This kick-off workshop will present an overview of the state requirements and provide an outline of the content of the 2010 UWMP. Our team will provide an overview of the many opportunities for public comment and will also be available for questions. We encourage public participation and input.

For more information
please call (661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

Santa Clarita Valley
2010 Urban Water Management Plan

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

The Signal
Sunday
5-23-2010

Announce the preparation of the
2010 Urban Water Management Plan

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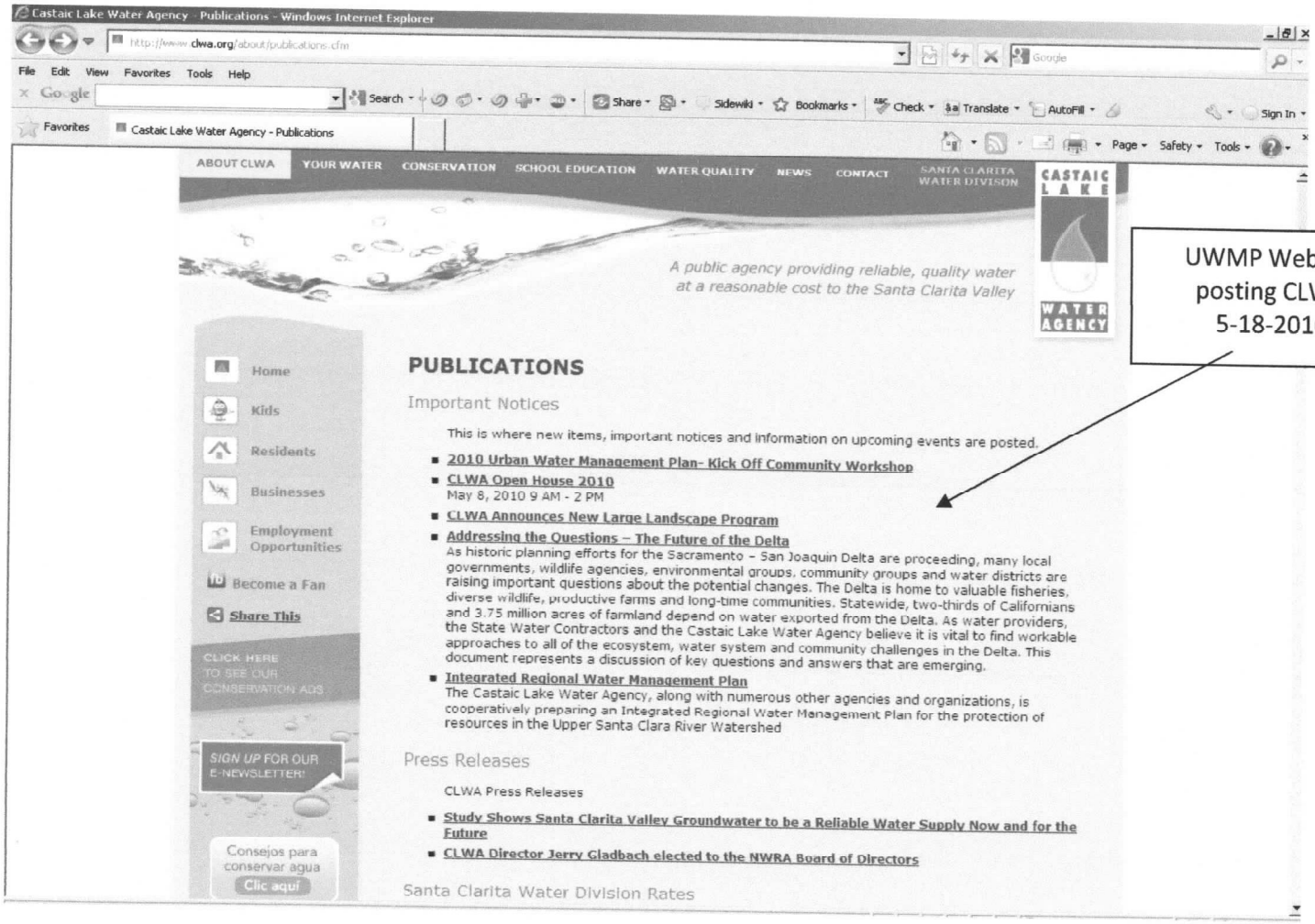
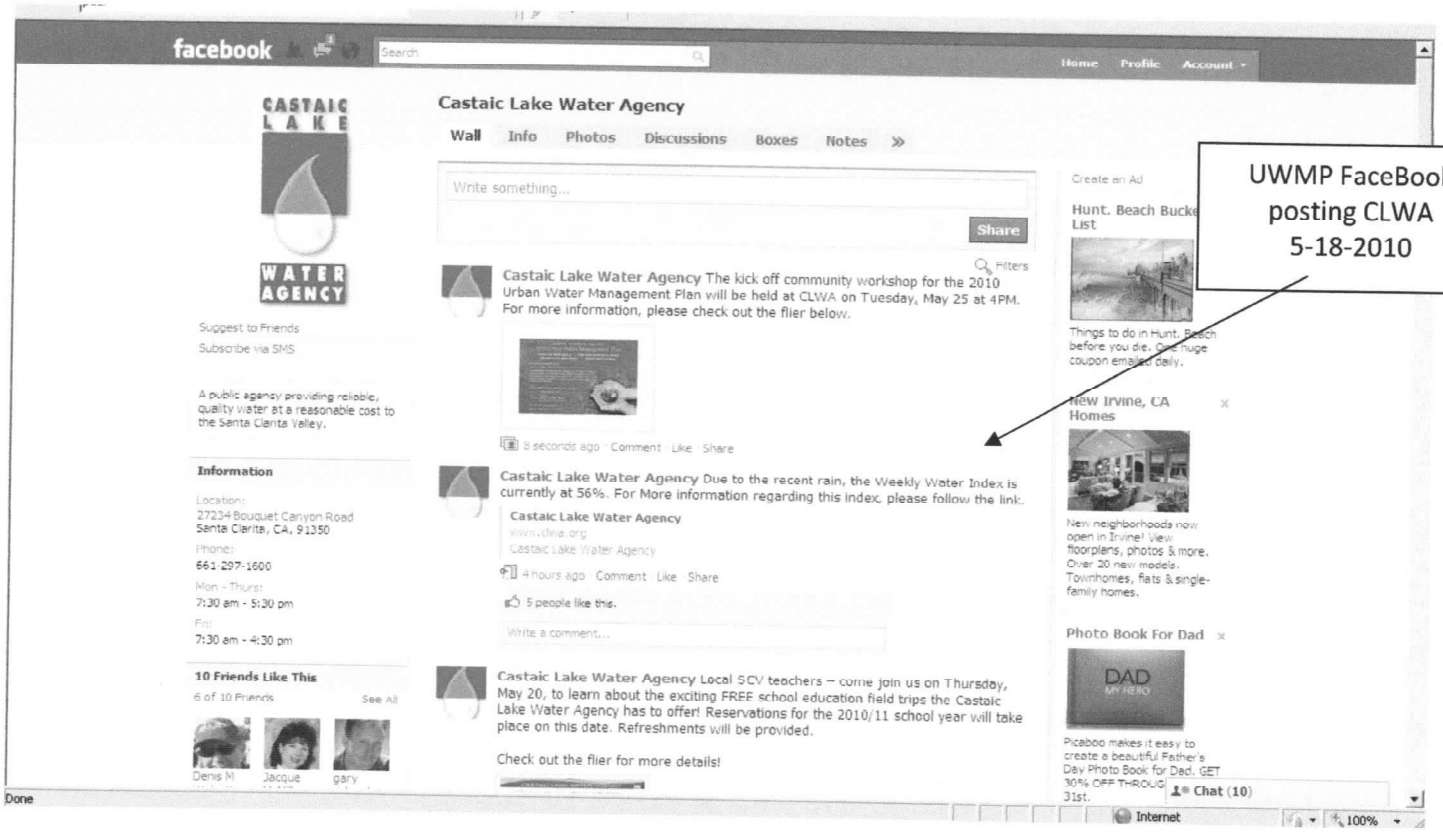
Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

UWMP May 25, 2010 Kick-off workshop
CLWA website & FaceBook postings

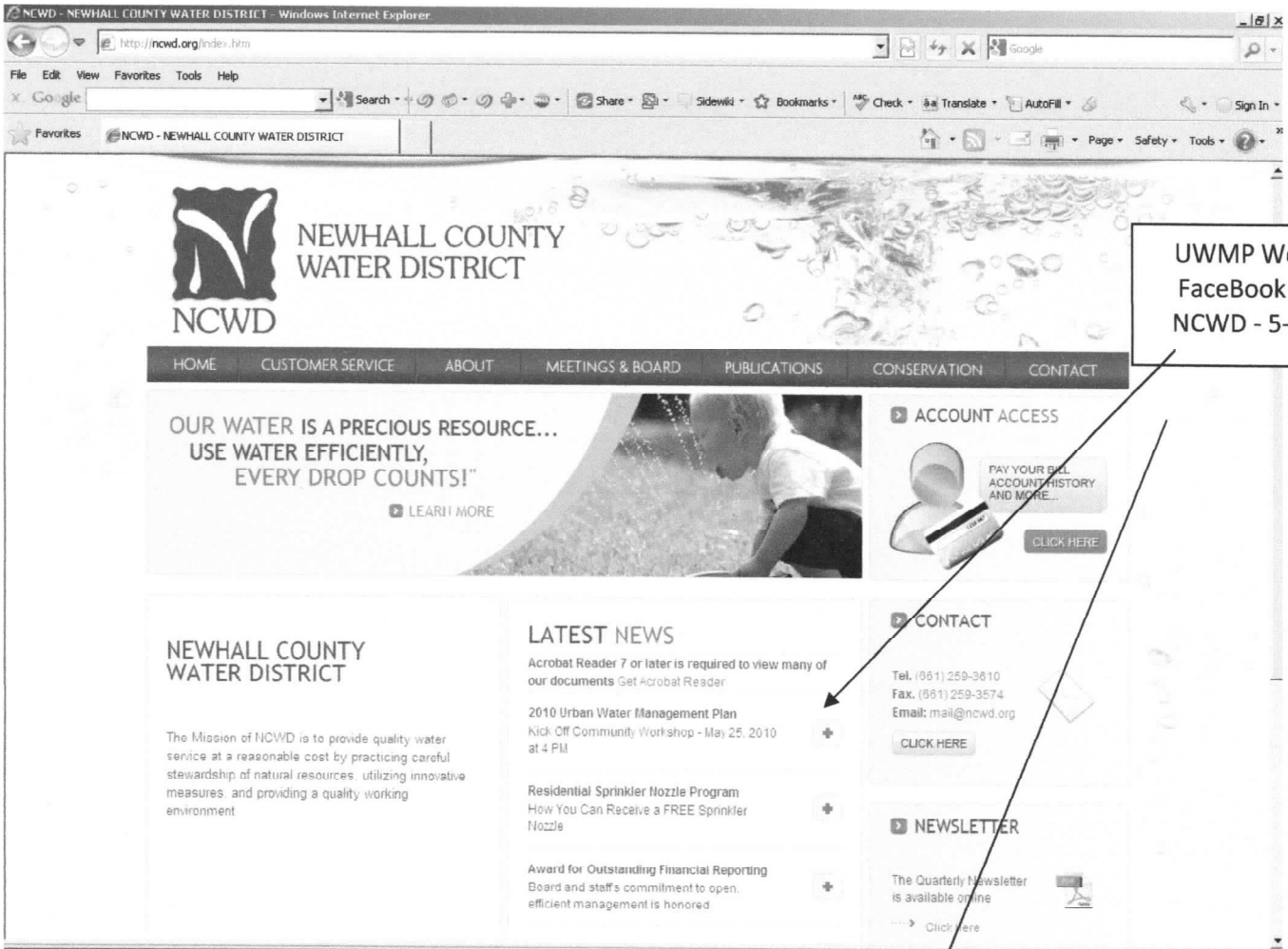


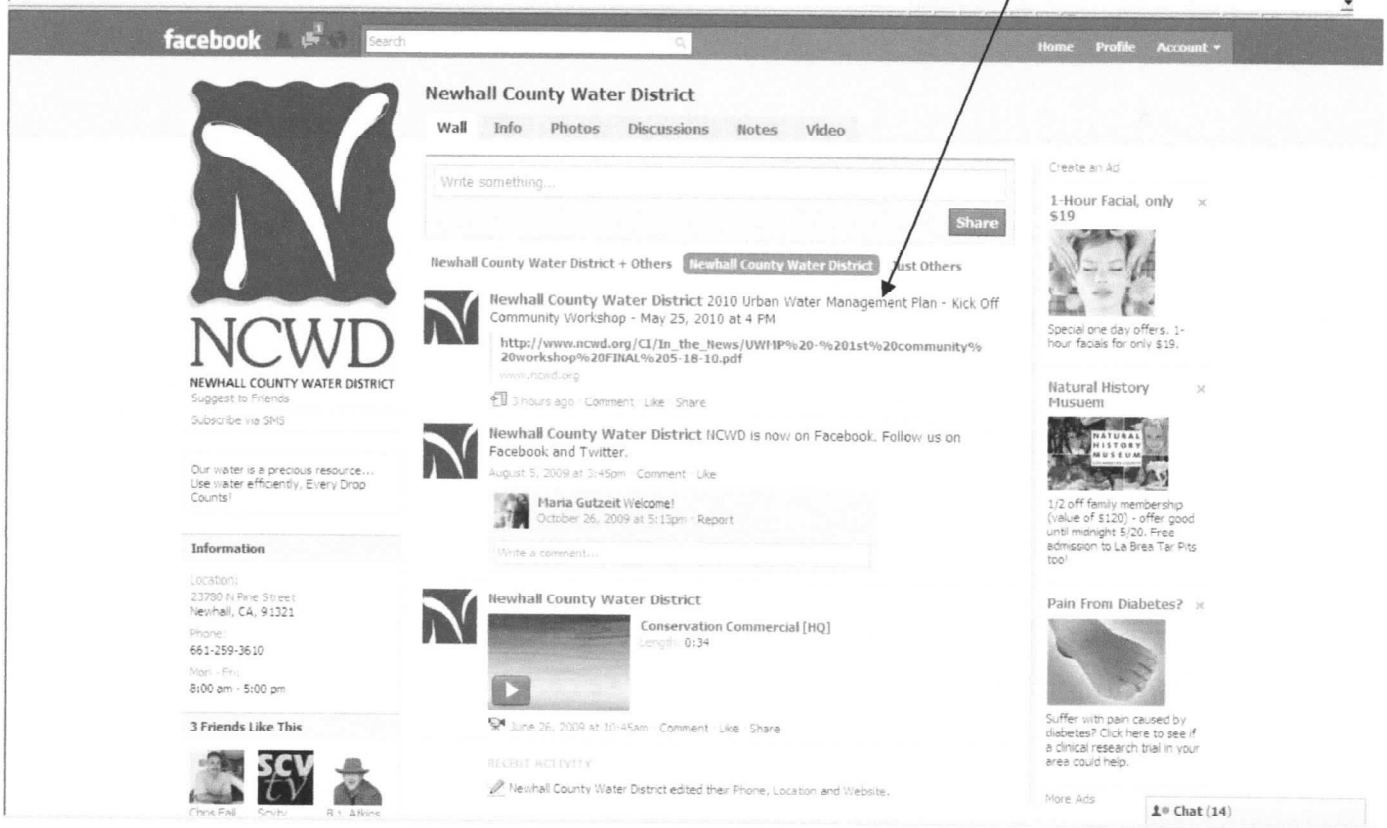
UWMP Website posting CLWA 5-18-2010



UWMP FaceBook posting CLWA 5-18-2010

UWMP May 25, 2010 Kick-off workshop
Newhall County Water District Website & FaceBook posting



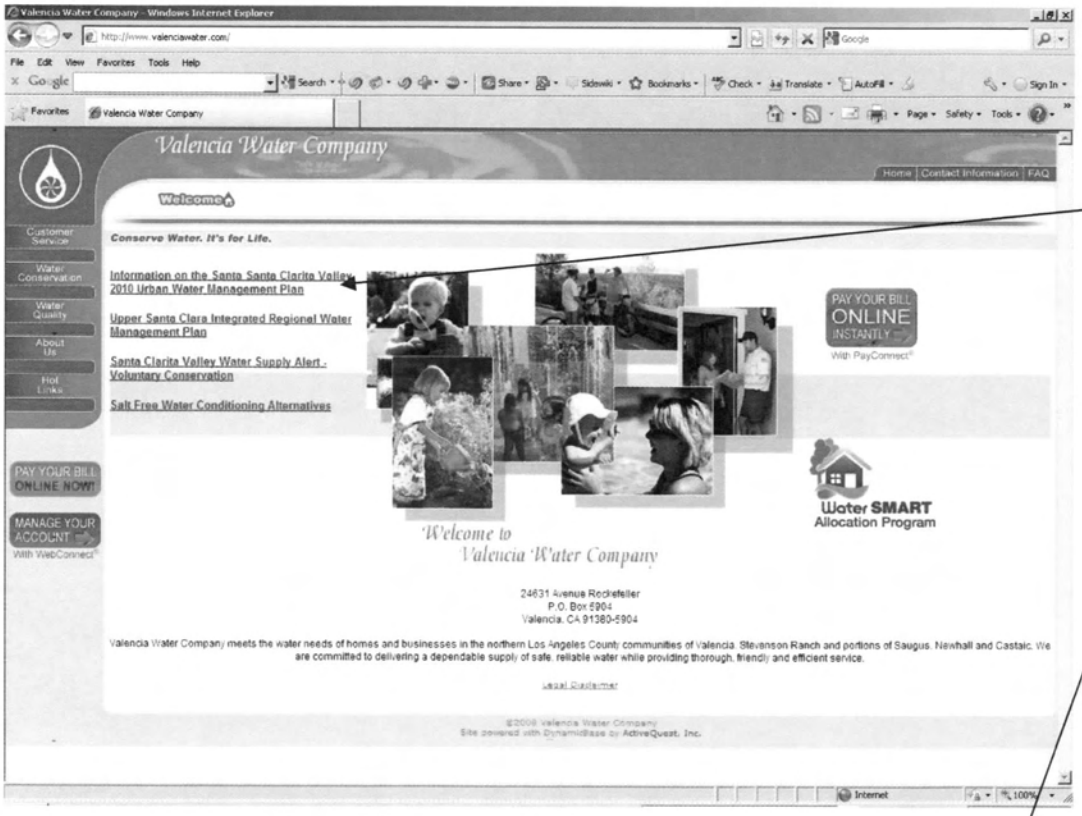


UWMP Website & FaceBook posting NCWD - 5-17-2010

UWMP May 25, 2010 Kick-off workshop
Santa Clarita Water Division (SCWD) website postings

Valencia Water Co Website Posting

May 25, 2010 - UWMP Kick Off Community Workshop



UWMP Website posting
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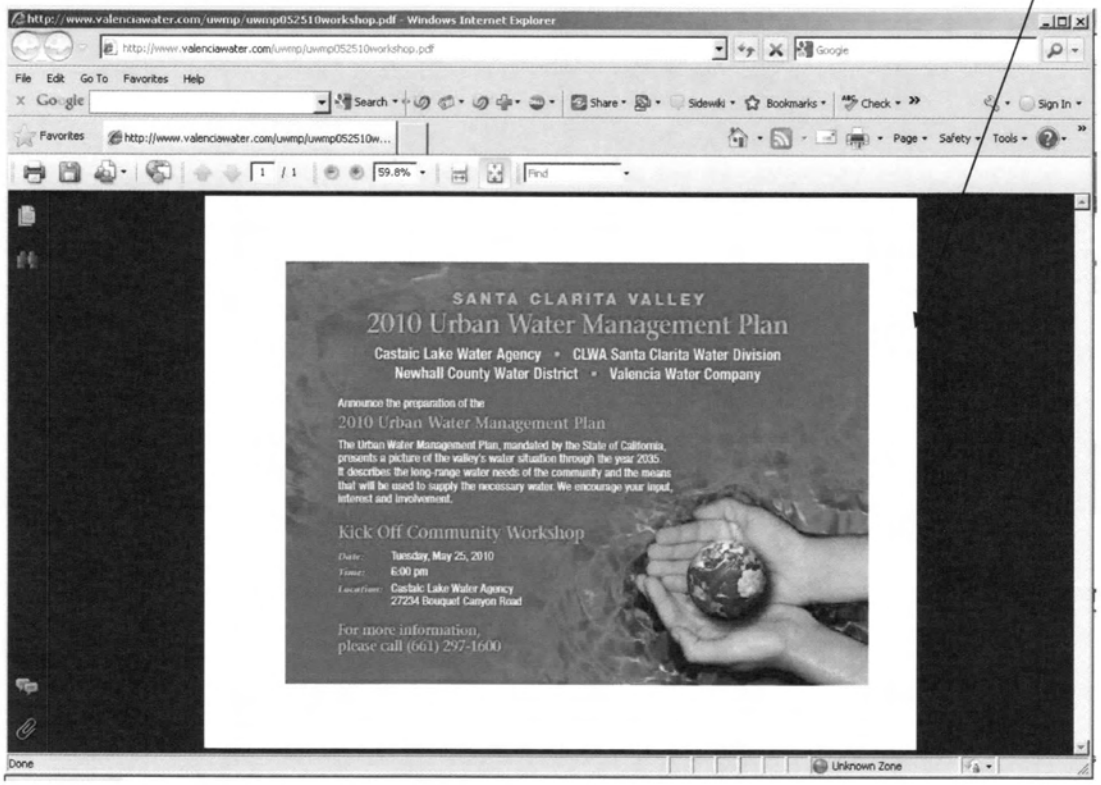

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

Castaic Lake Water Agency • CLWA Santa Clarita Water Division
Newhall County Water District • Valencia Water Company

Announce the preparation of the

2010 Urban Water Management Plan

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Kick Off Community Workshop

Date: Tuesday, May 25, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

For more information,
please call (661) 297-1600

2

UWMP Kick-Off Workshop Agenda

- Introductions
- What is an UWMP?
- Who is required to submit an UWMP?
- Why are UWMPs developed?
- When are the UWMPs developed?
- Existing and new requirements of UWMPs
- Q&A

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What is an Urban Water Management Plan?

- An Urban Water Management Plan is a comprehensive planning process whereby urban water suppliers describe and evaluate sources of water supply, efficient uses of water, demand management measures, implementation strategy and schedule, and other relevant information and programs.

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Who is required to prepare an UWMP?

- Publicly or privately owned water suppliers (including wholesalers), providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet annually.

5

Why are UWMPs Developed?

- In adherence to the 1983 Urban Water Management Planning (UWMP) Act and subsequent legislation
- To develop a framework for agencies to integrate programs and projects that enhance the quality and quantity of regional water supplies
- To identify gaps between supply and demand through time (20-year analysis required)
- To provide detailed description of all supply sources (surface, recycled, groundwater)

6

Why are UWMPs Developed? (Cont'd.)

- To identify Demand Management Measures (water conservation programs)
- To address water quality issues
- To develop water shortage contingency planning
- To describe how demand will be met through time, in all hydrologic year types (normal, multiple dry, critical dry)

7

When are UWMP Plans Developed?

- Suppliers are required to update UWMP every five-years (years ending in 0 or 5).
- 2010 – current update
- July 1, 2011 for retailers (SBx7-7 extended UWMP deadline for retailers but silent on extension for wholesalers.)
  - Under current UWMP Act, wholesalers should complete UWMP by December 31, 2010. But "cleanup legislation" (AB 2776 and SB 1478) anticipated that will extend deadline to July 1, 2011 for wholesalers.

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Coordination and Notification Requirements

"Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practical."

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9

Coordination and Notification Requirements

Other:

- Must hold public hearing prior to adoption of UWMP
- Must give cities and counties in service area 60 days notice prior to public hearing
- Must provide cities and counties and LAFCO in service area with copies of UWMP within 30 days of adoption

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10

Penalties

- Ineligible for State Grant and Loan Funding (at least until plan is completed to DWR satisfaction)

11

What, Who, Why, When, etc…

- Q&A/Discussion

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New Requirements for 2010 UWMP

- New Law: SBX7-7 ("20% x 2020"), reporting starts with 2010 UWMPs
  - Base gross water use in gpcd: must be calculated using one of three methodologies
  - Target reduction from base by 2020: reporting requirements differ for retailers vs. wholesalers
  - Must be calculated using one of four methodologies
  - Agencies must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

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New UWMP Requirements

- Base gross water use in gpcd: calculation

  Total volume of water (treated or not) entering the retail distribution system, divided by the total population of the service area

  (Excludes: recycled water, net volume into long-term storage, water conveyed to another retailer, agricultural water)

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New UWMP Requirements

- Base gross water use in gpcd: methodologies
  - 10-year average
    - *ending no earlier than 2004 – no later than 2010*
  - 15-year average if 10% of 2008 demand met by recycled water
    - *get to add 5 years to calculation*
  - 5-year average if agency is already close to target
    - *100 gpcd; at least 5% reduction*
    - *ending no earlier than 2007 – no later than 2010*

15

New UWMP Requirements

- Base gross water use in gallons per capita per day (gpcd)
  - Averages are determined on a rolling basis
  - Should review demands over various periods to determine hydrologic and demand year types
  - Recent economic impacts and drought response may have reduced demand!

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New UWMP Requirements

- Target reduction methodology options
  1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
  2. Combination of state standards:
     - 55 gpcd indoor residential + landscape use at 70% -80% ETo + 10% reduction in commercial/industrial/institutional use
  3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
  4. Option to be developed by October 2010

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New UWMP Requirements

- Reduction Target Option 4
  - Subject to DWR public process during 2010
  - Will identify targets to achieve cumulative statewide 20% reduction
  - Must allow flexibility for water supplier service area characteristics

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New UWMP Requirements

- Proposals for Option 4
  - DWR: developing a methodology for public review
  - CA Urban Water Conservation Council: all agencies in CA follow terms and options of the Urban MOU
  - ACWA: submitted Option 4 proposal
    - Relies on comparison to a Reference Area (an area that has met/nearly met hydrologic region target).

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New UWMP Requirements

- Issues: DWR will derive methodologies for calculations: population, base water use, gross water use, sector water use, Option 4, others
  - If DWR derives new methodology standards, agencies may be required to use them
  - Won't be final until October 2010 (ps. December)
  - If work has already been done, it may need to be repeated
  - If agency has already adopted UWMP, it may need to be amended
  - = Reason for UWMP deadline extension to July 1, 2011

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New UWMP Requirements

- Other
  - SB 1087 (Florez) - requires an UWMP to include projected water use for single-family and multi-family residential housing for lower income households as identified in the housing element of any city, county, or city and county in the service area of the supplier.

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21

Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

Enduring Relationships - Trusted Expertise - Promises Delivered

Santa Clarita Valley Urban Water Management Plan
May 25, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	David Inouye	DWR. Sc. Region	Chief, Water Cons. Sec.	(818) 500.1645, x246	davidi@water.ca.gov
2.	RONALD MECHSNER	WESTRANCHTOWN COUNCIL	PRESIDENT	661.753.6182	RMECHSNER@westranchtown council.com
3.	Cathy Holloman	SCWD	Assoc	661-259-2737	cholloman@scwater.org
4.	Mauricio Guardado	SCWD	Retail MGR	"	mguardado@scwater.org
5.	Mary Lou Cotter	KJ			
6.	Patrick Bryant	City of Santa Clarita	Admin. Analyst	661-255-4902	pbryant@santa-clarita.co
7.	Jessica Bunker	LAO WWD	CIVIL ENG - Water Resources Unit	626-300-3315	jbunker@ladpw.org
8.	Bruce Fortine	COC	Trustee	661-253-0060	fortine@earthlink.net
9.	Kevin Korenthal	ABC-CCC	E.D.	(661) 310-0769	kkorenthal@abc-ccc.org
10.	JANET KEITH	VWC	CONSER COORD.	661-295-6531	jkeith@valenciawater.com
11.	Brett Walter	Buck McKeon	Senior Field Rep	661-254-2111	brett.walter@mail.house.gov
12.	Jason Smisko	Santa Clarita	Senior Planner	661-255-4306	jsmisko@santa-clarita.com
13.	Jerry Gladbach	CLWA			
14.	DIANA SHAW	DIANA SHAW for 38th Assembly	candidate		ElectDIANASHAW.com
15.	Bob DiPrimio	Valencia Water Co.	President	(661) 295-6501	rdiprimio@valenciawater.com
16.	ED MASTERSON	SCV CHAMBER	PRES. / CEO	(661) 702-6977	EMASTERSON@SCVCHAMBER.COM
17.	Jackie Bick	Sen. Runner	Dis Rep	661-286-1471	JACKIE.BICK@SEN.CA.GOV
18.					

July 2010 UWMP Workshop
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

July 6, 2010

«AddressBlock»

Subject: 2010 Urban Water Management Plan Workshop

«GreetingLine»

The Santa Clarita Valley's water agencies, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, we have scheduled our second community workshop as follows and welcome your participation:

Date:	Tuesday, July 27, 2010
Time:	4:00 pm
Location:	Castaic Lake Water Agency 27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's water situation through the year 2035, describes the long-range water needs of the community and the means to supply the necessary water. This workshop will provide the most current information on components of the 2010 UWMP.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

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2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication
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Post card sent to all entities with water connections in the CLWA, CLWA SCWD, VWC and NCWD service areas

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

Castaic Lake Water Agency • CLWA Santa Clarita Water Division
Newhall County Water District • Valencia Water Company

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Upcoming Community Workshops

Date: Tuesday, July 27, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

Date: Tuesday, September 28, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

For more information, please call (661) 297-1600

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

The Signal 7-25-10

Date: Tuesday, July 27, 2010

Time: 4:00 pm

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27234 Bouquet Canyon Road

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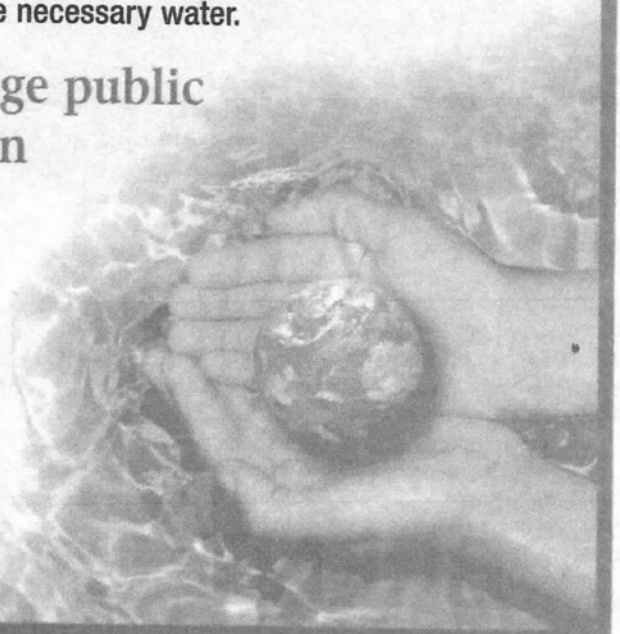

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SANTA CLARITA VALLEY

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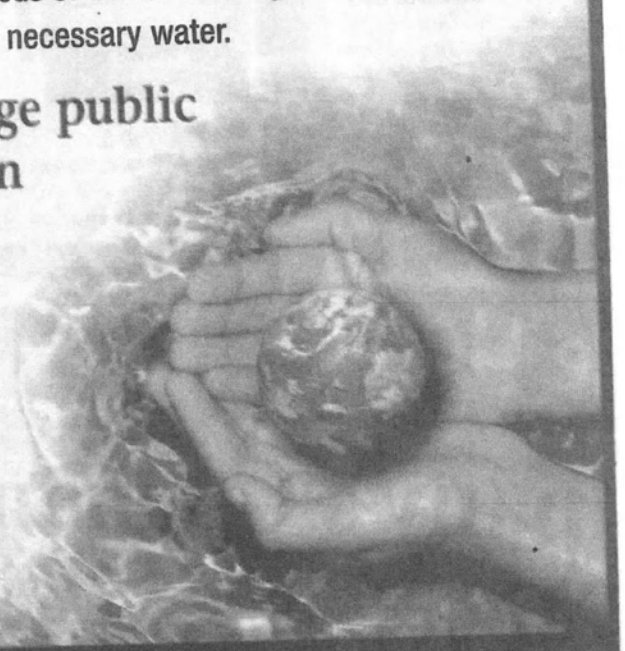

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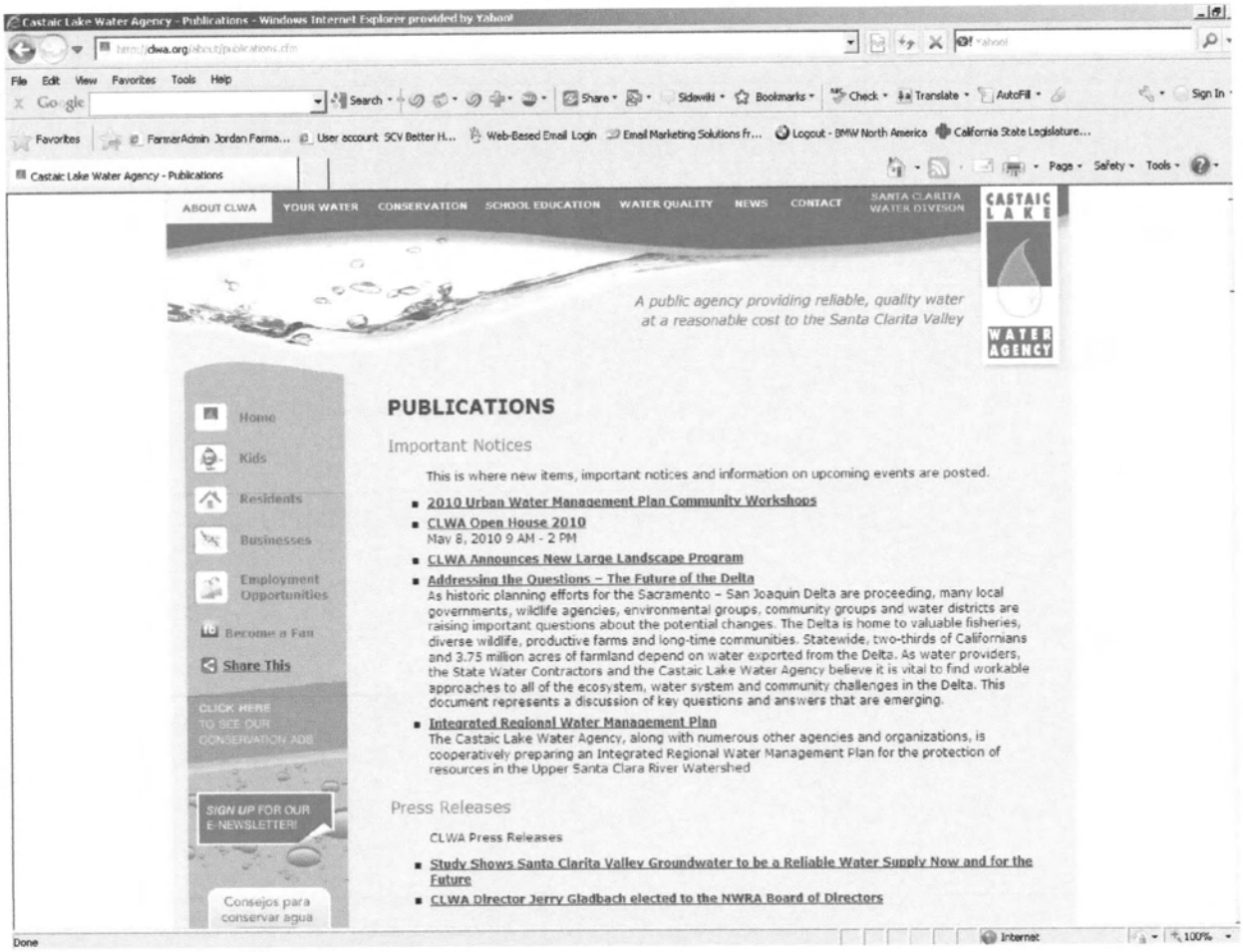
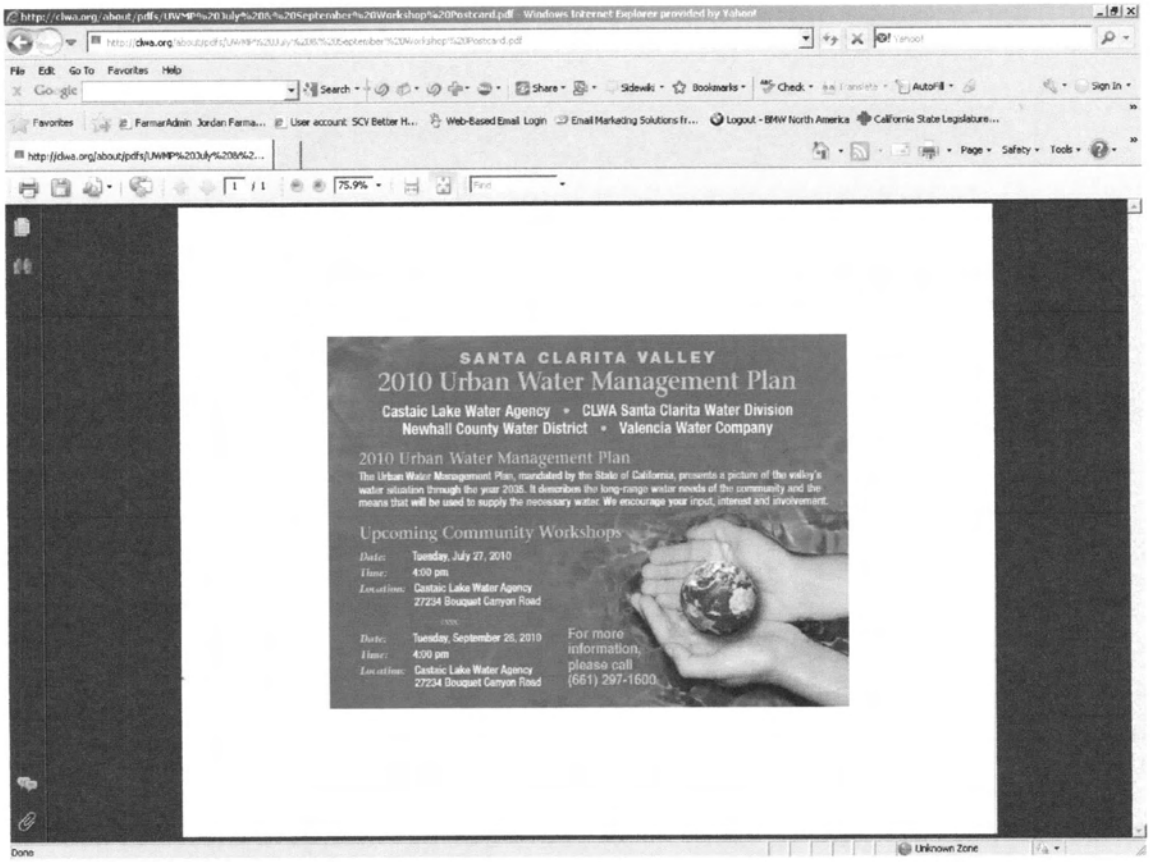
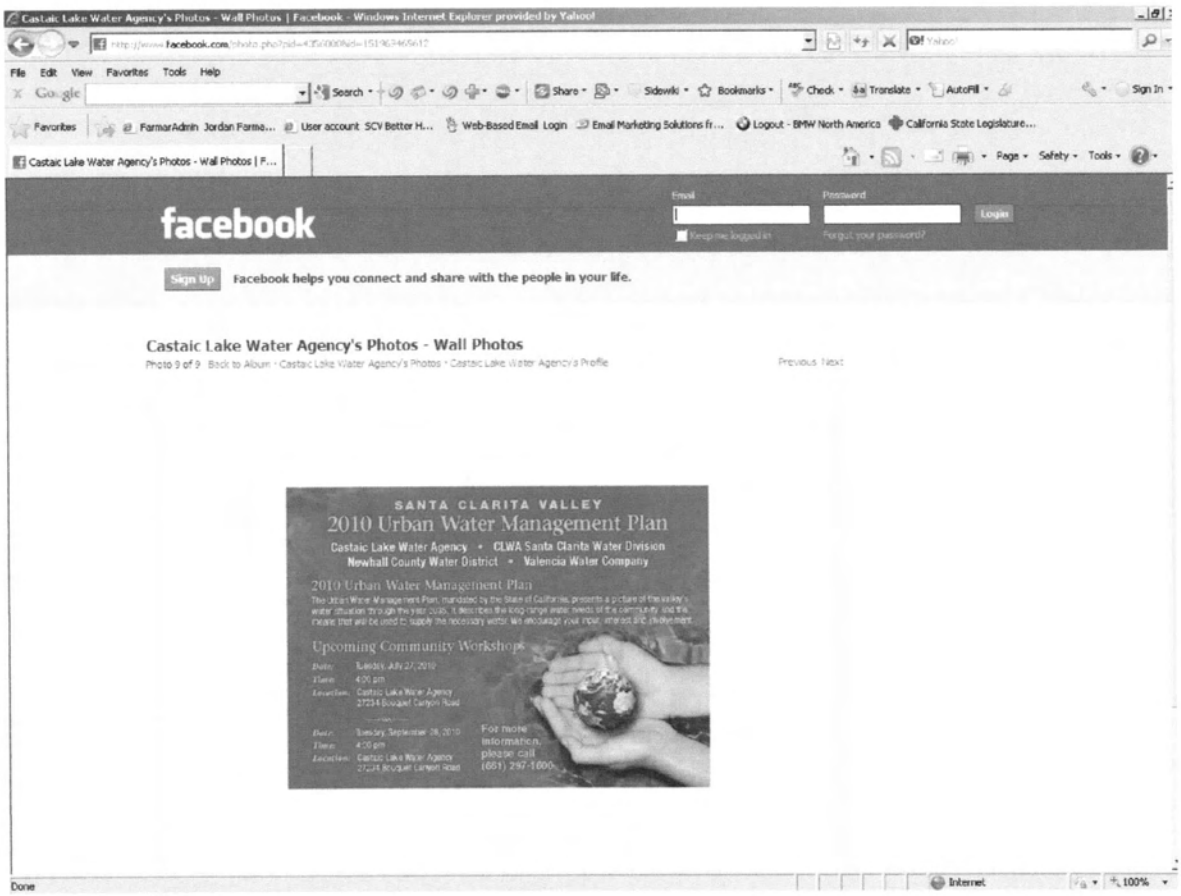
UWMP July & September 2010 Community Workshop Announcements
CLWA Website - June 28, 2010





UWMP July & September 2010 Community Workshop Announcements
CLWA Facebook Post - June 28, 2010



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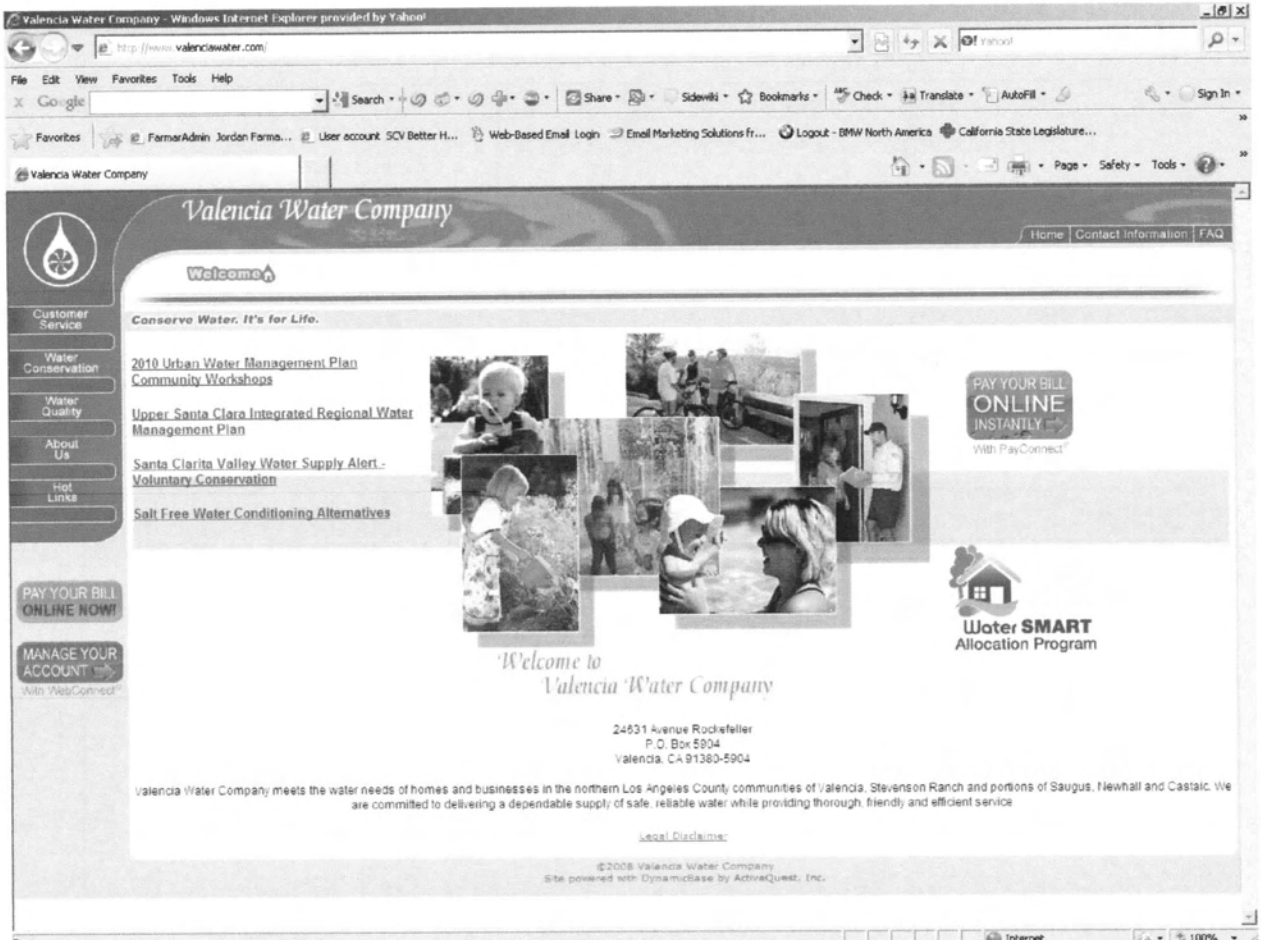
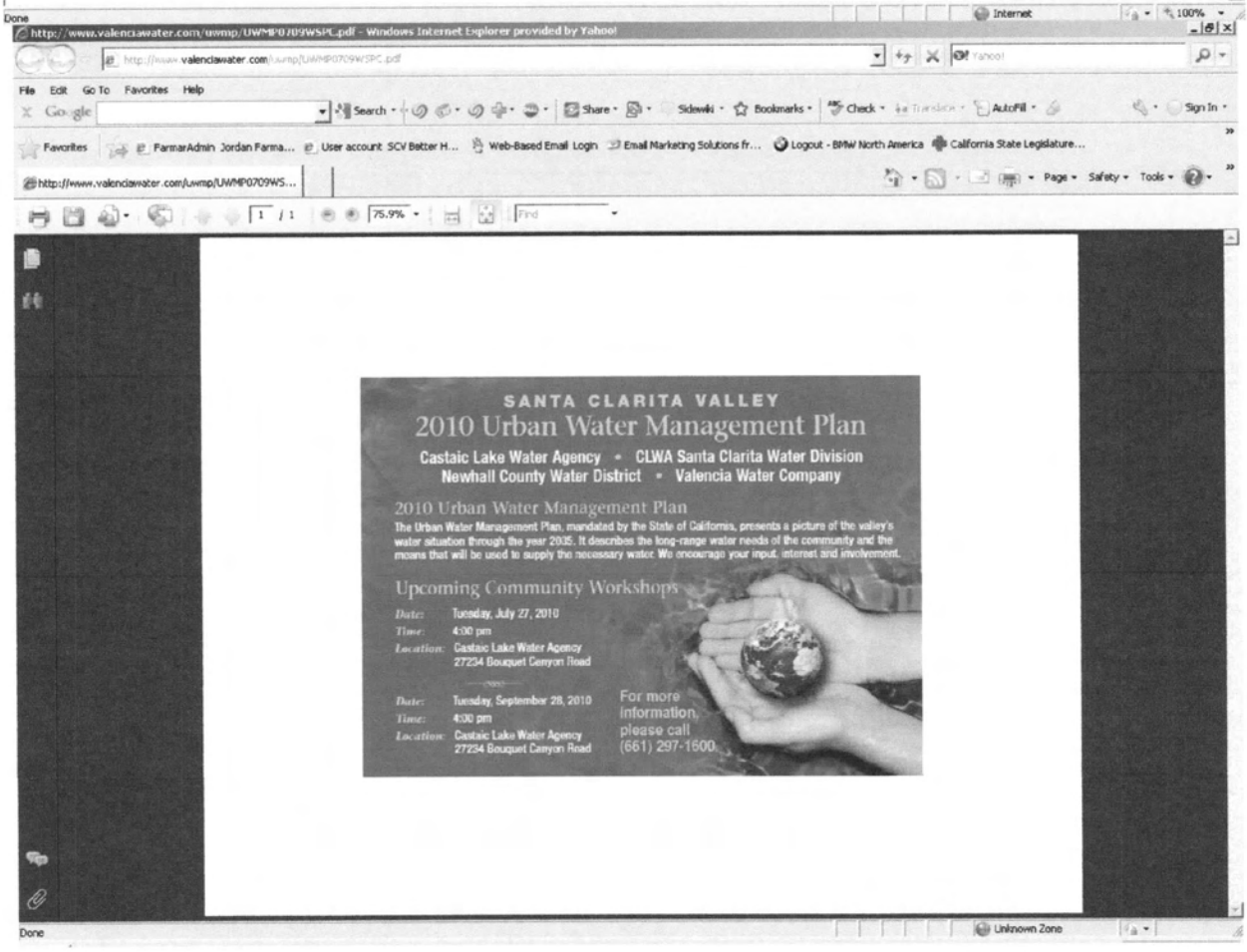
Valencia Water Co Website - June 28, 2010





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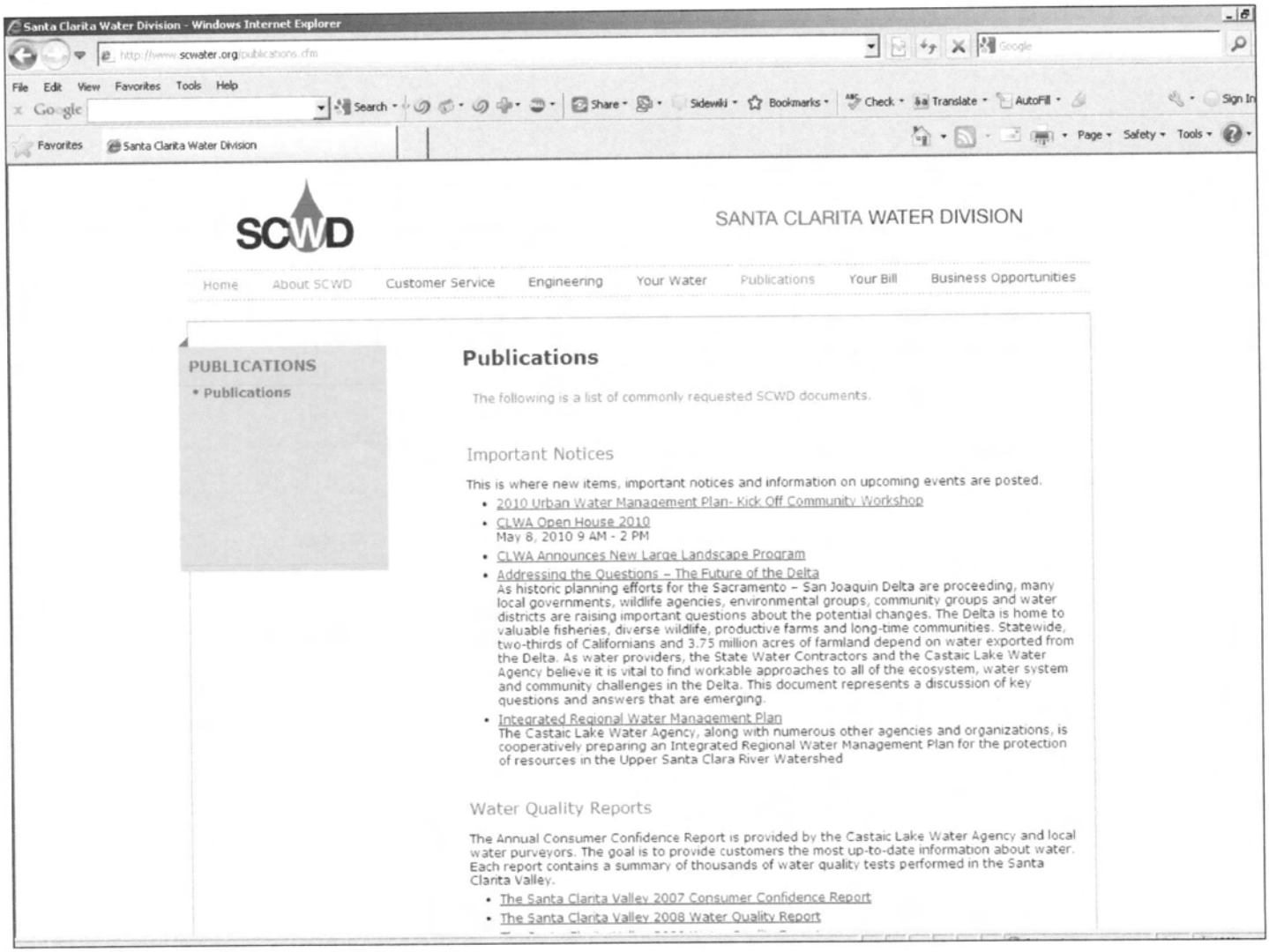

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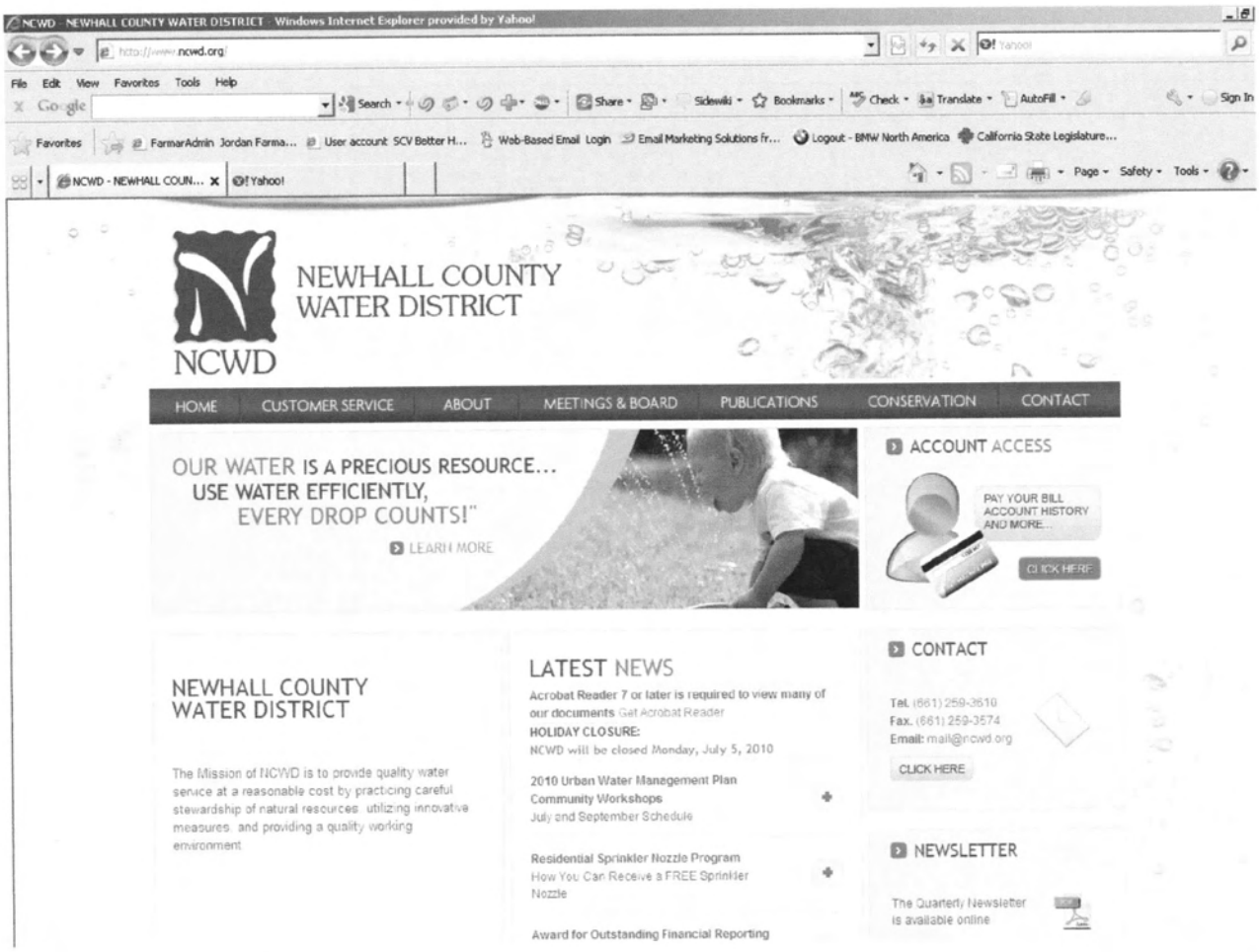

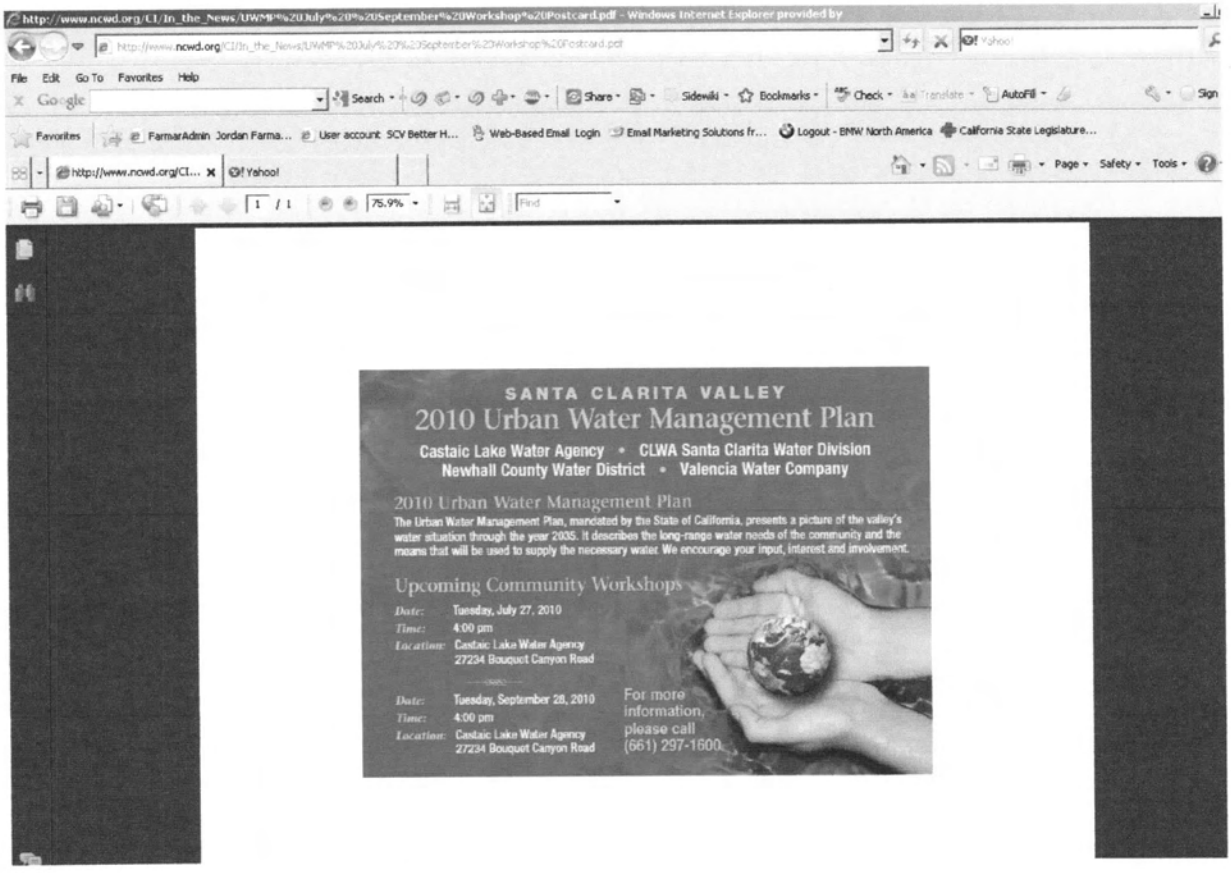

UWMP July & September 2010 Community Workshop Announcements
NCWD Facebook Post - June 28, 2010

UWMP Community Workshop
July 27, 2010

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

Agenda

- Welcome & Introductions
- SBX7-7 Requirements
- Recycled Water
- Groundwater Supplies
- State Water Project Reliability
- Questions & Answers
- Next Workshop & Timelines

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

2010 UWMP SBX7-7

- Mary Lou Cotton, Kennedy/Jenks Consultants

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

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    - *get to add 5 years to calculation*
  - *And*: 5-year average
    - *ending no earlier than 2007 – no later than 2010*
    - *100 gpcd; at least 5% reduction for all agencies in CA over 100 gpcd*

2010 UWMP

- Target reduction methodology options
  1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
  2. Combination of state standards:
     - 55 gpcd indoor residential + landscape use at 70% ETo + 10% reduction in commercial/industrial/institutional use
  3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
  4. Option to be developed by October 2010

2010 UWMP

- Reduction Target Option 4
  - Subject to DWR public process during 2010
  - Will identify targets to achieve cumulative statewide 20% reduction
  - Must allow flexibility for water supplier service area characteristics

2010 UWMP

- Wholesalers (such as CLWA) must describe in the UWMP "an assessment of present and proposed future measures, programs and polices to help achieve the water use reductions required" of retailers in their service areas.

2010 UWMP

- DWR Public Process Issues
  - DWR will derive methodologies for SBX7-7 calculations: population, base gross water use, compliance levels, sector water use, others
  - If DWR derives new standards, agencies will be required to use them
  - Won't be final until October 2010
  - Option 4 method won't be final until December 2010.

2010 UWMP

- DWR Public Process Issues, (cont'd.)
  - If work has already been done, it may need to be repeated;
  - If agency has already adopted UWMP, it may need to be amended
  - = Reason for UWMP deadline extension to July 1, 2011 (Note: wholesaler UWMPs still due by Dec 31, 2010; legislation in process to apply extension to them)

SBX7-7 Methodologies Status

- DWR has convened the Urban Stakeholder Committee ("USC")
  - Co-chaired by DWR and CUWCC
- Has formed an Agency Team: DWR, SWRCB, CPUC, CDPH, CBDA, USBR
- Has hired a consultant team (mainly economists and statisticians)

SBX7-7 Methodologies Status

- USC has held three meetings to date (next: tomorrow, 7/28/10)
- DWR has defined several technical methodologies efforts, based on statute
- DWR Legal has reviewed statute and provided guidance to DWR staff and consultant team
- Developed a set of Issue Papers for each methodology in statute
- Has created groupings according to task:

SBX7-7 Methodologies Status

- U3:
  - Gross water use
  - Service area population
  - Base daily per capita use
  - Compliance daily per capita use
  - Landscape area water use
  - Baseline CII use
  - Compliance year adjustment criteria
  - Indoor residential use

SBX7-7 Methodologies Status

- U4:Target Reduction Option 4
  - Proposal from ACWA
  - Two proposals from various CUWCC members (IRWD/City of San Luis Obispo/City of Long Beach; and Western Municipal Water District)
  - DWR/Consulting Team proposal
- U4 Workgroup set up, focus on how to formulate methodology

SBX7-7 Methodologies Status

- U5: Process Water
  - Use by Commercial, Industrial, Institutional customers
- U6: Regional Compliance
  - Guidance for Regional UWMPs and Conservation Target Reductions

SBX7-7 Methodologies Status

- Schedule:
  - June 22 & 23 USC and U4 Meetings at IEUA
  - July 28 USC Meeting
  - **August 5 & 6 U3 Public Workshops**
  - August 26 USC Meeting
  - September 21 USC Meeting
  - October 1 finalize U3 methodologies
  - **October 27 & 29 U4 Public Meetings**
  - November 15 USC Meeting
  - December 31 U4 method finalized

2010 UWMP- SBX7-7

- SBX7-7 Questions?

Recycled Water

- Lynn Takaichi, Kennedy/Jenks Consultants

Recycled Water

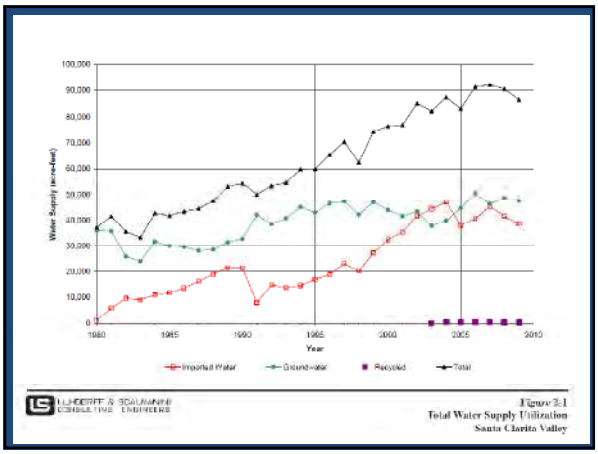
- Based on 2002 Recycled Water Master Plan and 2006 Programmatic EIR
  - Modified Phasing and Pipeline Alignments
  - Both VWRP and SWRP Utilized
  - Potential Onsite RW Production
- Current Production = 430 AFY
- Ultimate Production = 17,400 AFY, plus 5,344 AFY from Newhall Ranch WRP
- Will Help the SCV Meet 20x2020 Goals

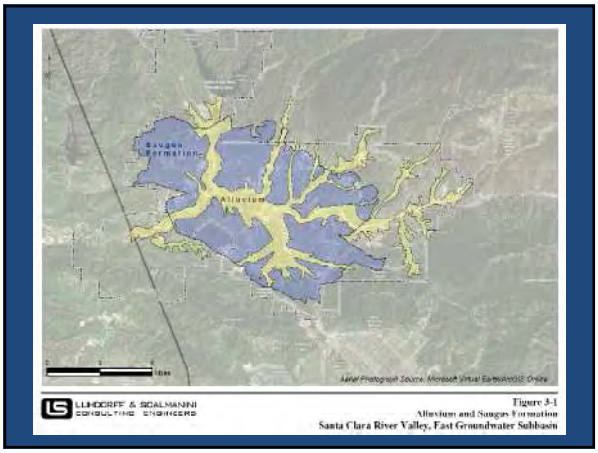
Groundwater Supplies

- Joe Scalmanini - Luhdorff and Scalmanini

Groundwater Component of Water Supplies 2010 Urban Water Management Plan

- Castaic Lake Water Agency • CLWA Santa Clarita Water Division
- Los Angeles County Waterworks District 36
- Newhall County Water District • Valencia Water Company





Groundwater Management Plan (2003)

Management Objectives (Goals) for the Basin

- development of integrated surface water, groundwater, and recycled water supply to meet existing and projected uses
- determination of operational groundwater yield to avoid overdraft = sustainability
- preservation of groundwater quality, including solution of contamination problems
- preservation of interrelated surface water resources = maintenance of surface water flows and non-degradation of quality

Groundwater Management Plan (2003)

Elements

- groundwater monitoring
- surface water monitoring
- basin yield analysis
- regular and dry year water supplies
- continued conjunctive use
- long-term salinity management
- integration of recycled water
- mitigate contamination
- local, state and federal relationships
- public education and water conservation
- recharge wellhead protection areas
- well construction and destruction policies
- provisions to add additional components

Annual Water Reports (1998-present)

Annual Water Requirements and Supplies
- actual water use
- sources of supply to meet actual use

Groundwater
- Alluvial and Saugus aquifer conditions

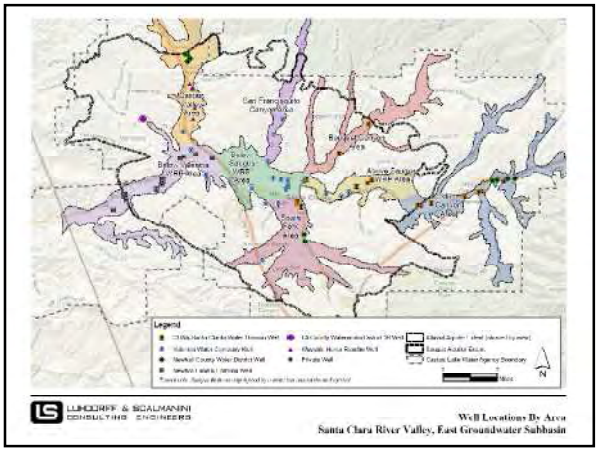
Supplemental Water Supplies
- State Water Project
- banking and other programs

Water Quality

Recycled Water

Santa Clara River
- outflows from Santa Clarita Valley

Short-Term (one year) Outlook
- water requirements adjusted from UWMP
- surface water, groundwater and recycled water supplies
- adequacy of water supplies



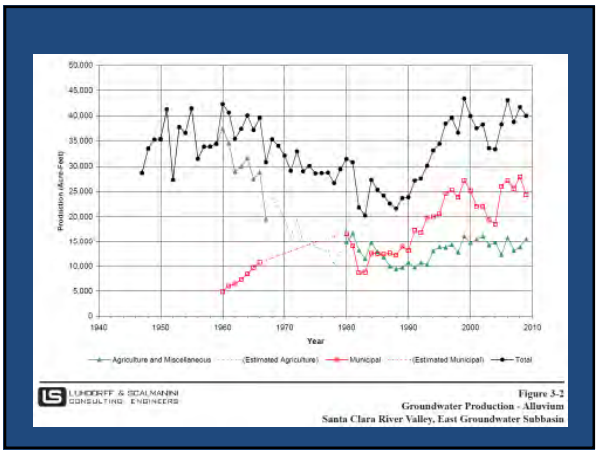


Figure 3-2
Groundwater Production - Alluvium
Santa Clara River Valley, East Groundwater Subbasin

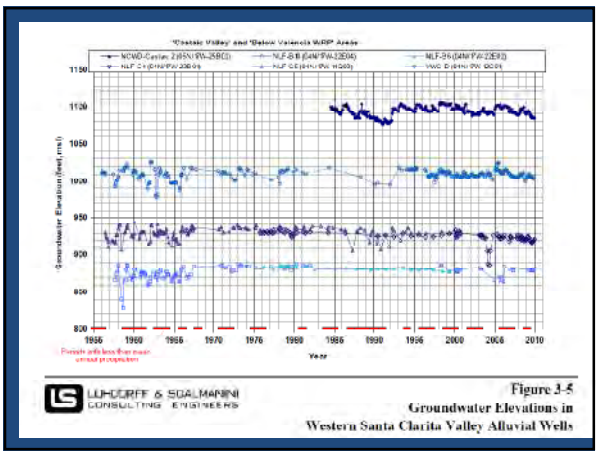


Figure 3-5
Groundwater Elevations in
Western Santa Clarita Valley Alluvial Wells

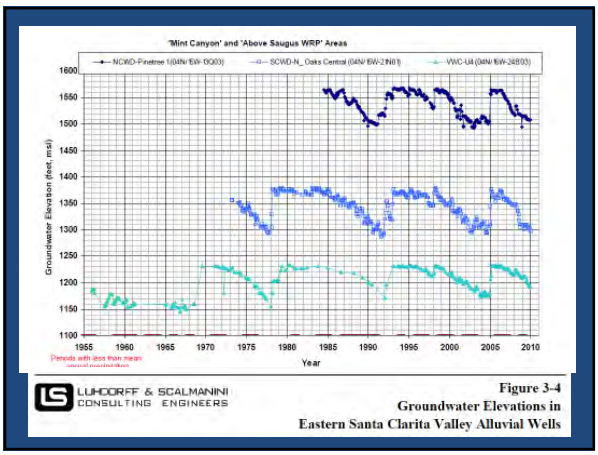
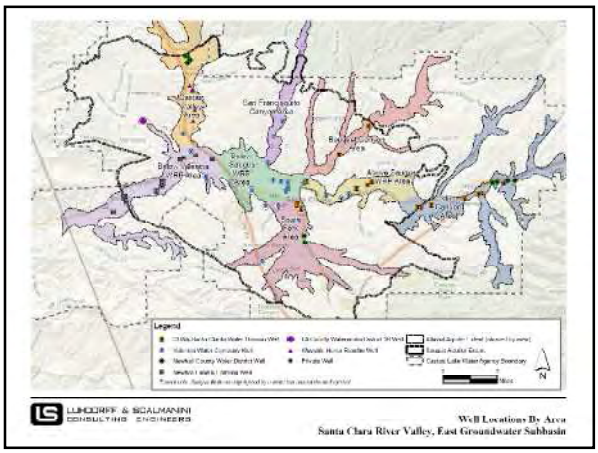
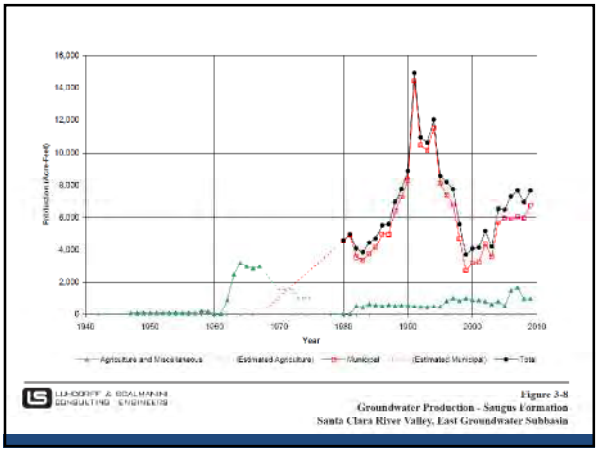
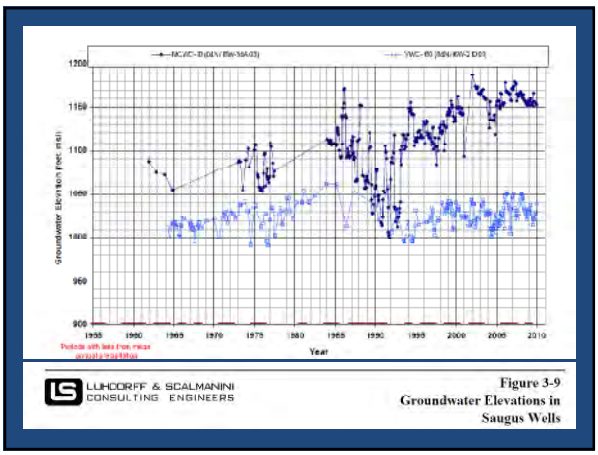


Figure 3-4
Groundwater Elevations in
Eastern Santa Clarita Valley Alluvial Wells


Legend
LUHDORFF & SCALMANINI CONSULTING ENGINEERS
Well Locations By Area
Santa Clara River Valley, East Groundwater Subbasin


Year
Agriculture and Miscellaneous
(Estimated Agriculture)
Municipal
(Estimated Municipal)
Total
LUHDORFF & SCALMANINI CONSULTING ENGINEERS
Figure 3-8
Groundwater Production - Saugus Formation
Santa Clara River Valley, East Groundwater Subbasin


Year
LUHDORFF & SCALMANINI CONSULTING ENGINEERS
Figure 3-9
Groundwater Elevations in
Saugus Wells

2008 Groundwater Operating Plan

Groundwater Pumping 2010 UWMP				
Aquifer	**Normal Years**	**Dry Year 1**	**Dry Year 2**	**Dry Year 3+**
Alluvium	30,000-40,000 (38,600)	30,000-35,000 (36,500)	30,000-35,000 (34,850)	30,000-35,000 (34,850)
Saugus	7,500-15,000 (12,485)	15,000-25,000 (19,125)	21,000-25,000 (25,227)	21,000-35,000 (34,977)

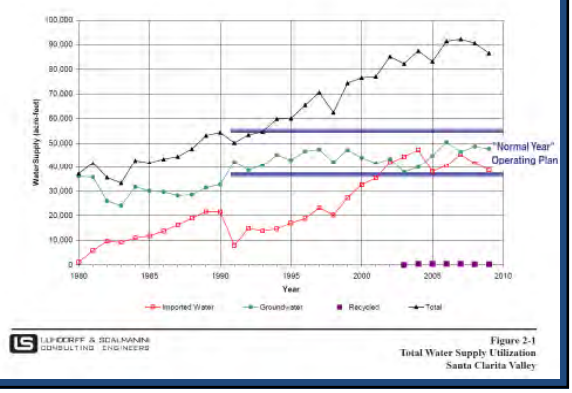


Figure 2-1
Total Water Supply Utilization
Santa Clarita Valley

Sustainability and Achievability

Sustainability

"lack of chronic, or sustained, depletion of groundwater storage, as indicated by projected groundwater levels, over a reasonable range of wet, normal, and dry hydrologic conditions" (86 years: 1922-2007)

"maintenance of surface water flows in the western portion of the basin (which are partially maintained by groundwater discharge) and surface water outflow to downstream basins over the same range of hydrologic conditions"

Achievability

maintenance of groundwater levels above, or only temporarily slightly into, the intake (screened or perforated) sections of production wells

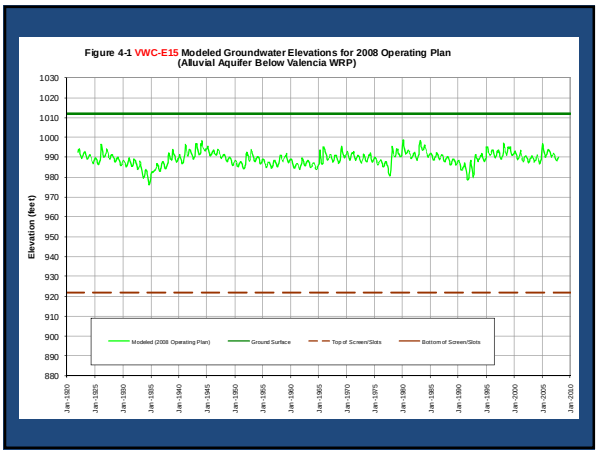


Figure 4-1 VWC-E15 Modeled Groundwater Elevations for 2008 Operating Plan
(Alluvial Aquifer Below Valencia WRP)
Elevation (feet)
Modeled (2008 Operating Plan)
Ground Surface
Top of Screen/Slots
Bottom of Screen/Slots

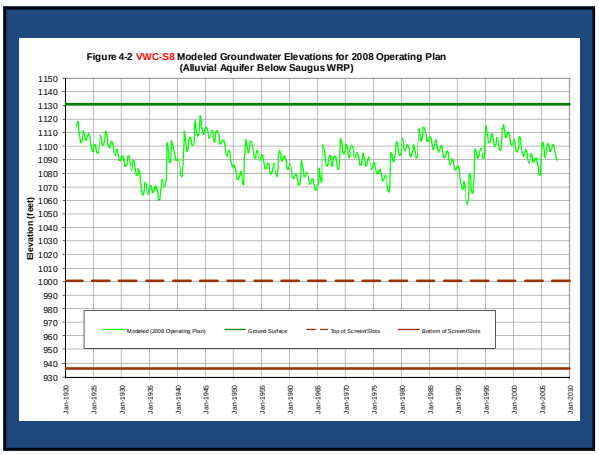


Figure 4-2 VWC-S8 Modeled Groundwater Elevations for 2008 Operating Plan
(Alluvial Aquifer Below Saugus WRP)
Elevation (feet)
Modeled (2008 Operating Plan)
Ground Surface
Top of Screen/Slots
Bottom of Screen/Slots

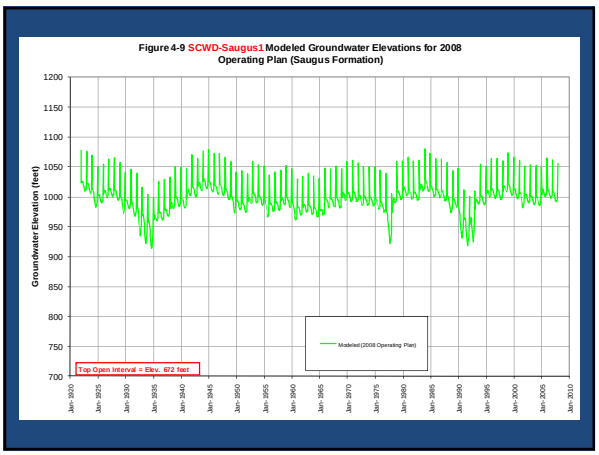
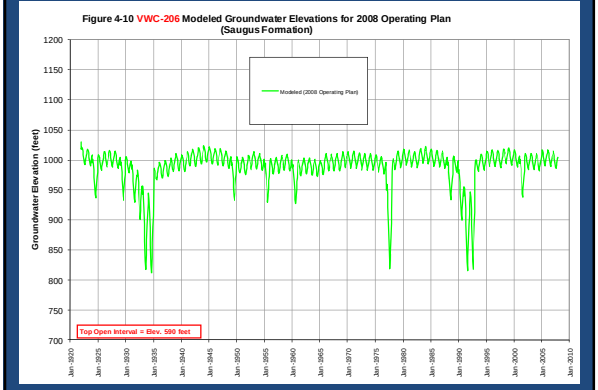


Figure 4-9 SCWD-Saugus1 Modeled Groundwater Elevations for 2008
Operating Plan (Saugus Formation)
Groundwater Elevation (feet)
Modeled (2008 Operating Plan)
Top Open Interval = Elev. 672 feet



2008 Operating Plan Conclusions

Operating Plan is fully sustainable (no chronic groundwater level declines; no depleted stream flow) and mostly achievable (limited dry-period declines in eastern part of Valley)

Achievability issues in extended dry periods can be resolved by redistribution of some pumping to the west

- with redistribution, retain dry-period Alluvial pumping near 35,000 afy
- without redistribution, dry-period Alluvial pumping closer to 30,000 afy

Climate Change Impacts

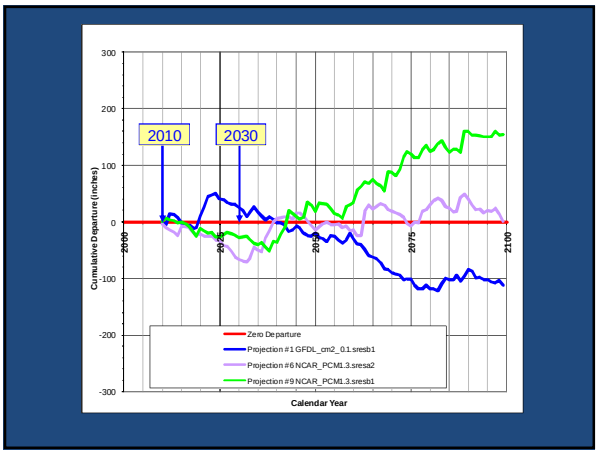
Studied 9 of 112 published climate change projections; same 9 projections as evaluated by DWR for reliability of SWP

Selected 3 projections for variety of rainfall cycles during UWMP planning horizon and beyond

- #1 = considerable fluctuation and generally wetter through UWMP, then long-term drying of climate
- #9 = less fluctuation and generally drier through UWMP, then sustained long-term wetting of climate
- #6 = less fluctuation and generally drier through UWMP, then long-term fluctuating cycles of below-normal and above-normal rainfall

Simulated customized operating plan for 86 years: 2010-2095

- simulated revised infiltration of precipitation, storm water, River inflow and Castaic Creek for three climate projections
- varied year-to-year Alluvial pumping dependant on prior year hydrology


2010
2030
Cumulative Departure (inches)
Calendar Year
Zero Departure
Projection #1 GFDL_cm2_0.1.sresb1
Projection #6 NCAR_PCM1.3.sresa2
Projection #9 NCAR_PCM1.3.sresb1

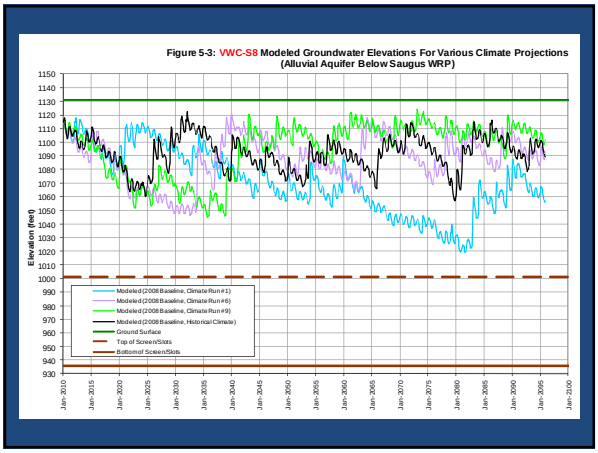
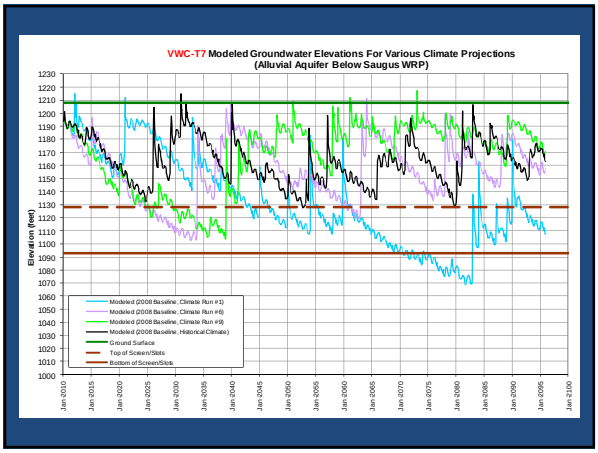


Figure 5-3: VWC-S8 Modeled Groundwater Elevations For Various Climate Projections
(Alluvial Aquifer Below Saugus WRP)
Elevation (feet)
Modeled (2008 Baseline, Climate Run #1)
Modeled (2008 Baseline, Climate Run #6)
Modeled (2008 Baseline, Climate Run #9)
Modeled (2008 Baseline, Historical Climate)
Ground Surface
Top of Screen/Slots
Bottom of Screen/Slots


VWC-T7 Modeled Groundwater Elevations For Various Climate Projections
(Alluvial Aquifer Below Saugus WRP)
Elevation (feet)
Modeled (2008 Baseline, Climate Run #1)
Modeled (2008 Baseline, Climate Run #6)
Modeled (2008 Baseline, Climate Run #9)
Modeled (2008 Baseline, Historical Climate)
Ground Surface
Top of Screen/Slots
Bottom of Screen/Slots

Climate Change "Conclusions"

No assurance of nature of potential climate change

For broad range of climate change possibilities, Operating Plan sustainable and achievable through shorter-term horizon of UWMP

Broad range of potential climate change extends from long-term dry to wet

- Operating Plan sustainable through average to wetter "changed" climate
- Operating Plan unsustainable through long-term drying climate due to decreased local recharge and resultant declining groundwater levels

Total Groundwater Supply Santa Clarita Valley

	Normal Years		
	Alluvium (afy)	Saugus Fm. (afy)	Total (afy)
Municipal Purveyors	25,850	11,485	37,335
Agriculture & Others	12,750	1,000	13,750
Total	**38,600**	**12,485**	**51,085**

	Multiple Dry Years		
	Alluvium (afy)	Saugus Fm. (afy)	Total (afy)
Municipal Purveyors	23,800-22,250	18,125-33,975	41,975-56,225
Agriculture & Others	12,700-12,600	1,000	13,700-13,600
Total	**36,500-34,850**	**19,125-34,975**	**55,675-69,825**

State Water Project Supply Reliability

Nancy Clemm, P.E.

State Water Project Supply Reliability

- Source: "Draft State Water Project Delivery Reliability Report 2009," Department of Water Resources (DWR).
- Includes estimates of current (2009) and future (2029) water delivery reliability of the State Water Project (SWP).
- Delivery estimates made using DWR's operations simulation model of SWP/Central Valley Project system.

Model Studies in 2009 SWP Reliability Report

Current (2009)

- Represents estimates of current reliability under existing conditions.
- Based on historical hydrology, existing SWP facilities, existing operating constraints, and current demands.

Future (2029)

- Represents estimates of future reliability if no change to SWP facilities or operating constraints.
- Based on hydrology adjusted to reflect effect of climate change, and increased future demands.

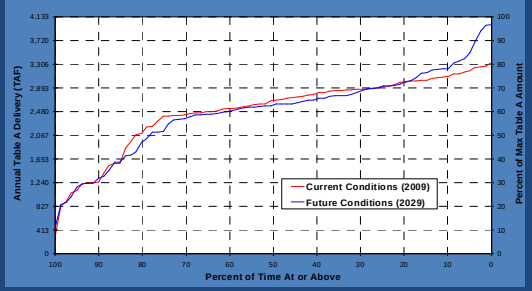
Modeling Assumptions in 2009 SWP Reliability Report

	Current (2009)	Future (2029)
Hydrology	Historical (based on 1922-2003)	Historical, adjusted for effect of climate change
SWP Facilities	Existing	Same
Operating Criteria	SWRCB D-1641 FWS Biological Opinion NMFS Biological Opinion	Same
SWP Demands		
Table A water	3.0 – 4.1 MAF	4.1 MAF (Max Table A amount)
Article 21 water	414 or 214 TAF/mo	Same

Changes Since 2005 Reliability Report: Modeling Assumptions

- Extended hydrologic period: now 1922-2003.
- Inclusion of effects of climate change in future study.
- Addition of operational constraints from FWS and NMFS Biological Opinions.
- Higher SWP demands (both Table A and Article 21 water).
- Inclusion of contractor carryover.

Results from 2009 Reliability Report: SWP Table A Delivery Probability



Results from 2009 Reliability Report: Average and Dry Period Deliveries

Total SWP Table A Delivery from Delta (in percent of max Table A amount*)						
Study	Average (1922-2003)	Single dry year (1977)	2-year drought (1976-77)	4-year drought (1931-34)	6-year drought (1987-92)	6-year drought (1929-34)
Current (2009)	60%	7%	36%	34%	35%	34%
Future (2029)	60%	11%	38%	35%	32%	36%

* Total maximum Table A amount from Delta is 4,133 TAF.

Comparison to 2005 Reliability Report: Delivery Results

- Lower average SWP deliveries.
- Higher single dry year deliveries (1977).
- Variable effect on multiple dry year deliveries.

Total SWP Table A Delivery from Delta (in percent of max Table A amounts)						
Study	Average (1922-94/2003)	Single dry year (1977)	2-year drought (1976-77)	4-year drought (1931-34)	6-year drought (1987-92)	6-year drought (1929-34)
2005 Report						
Current	68%	4%	41%	32%	42%	37%
Future	77%	5%	40%	33%	42%	38%
2009 Report						
Current	60%	7%	36%	34%	35%	34%
Future	60%	11%	38%	35%	32%	36%

Applying SWP Reliability Report Results to Castaic Lake Water Agency

- SWP Reliability Reports show total SWP deliveries.
- Prior to 2009 report, DWR directed SWP contractors to determine their share of total deliveries as the proportion of their agency's Table A amount to sum of all contractors' Table A amounts.
- In 2009 report, DWR directs using this same method for average deliveries, but recommends using contractor-specific delivery data for single year or short periods.

Applying SWP Reliability Report Results to Castaic Lake Water Agency (con't)

- In studies for 2009 report, delivery results differ by contractor due to differing contractor demands and inclusion of modeling of contractor carryover water.
- Carryover water is Table A water allocated to a contractor in one year which, if storage is available in SWP's San Luis Reservoir, can be "carried over" for delivery to that contractor the following year.
- Carryover can provide additional supply in dry years, but availability and usability differ by contractor.
- CLWA service area demands are currently low relative to its Table A amount, so carryover is likely to provide dry-year supply in near term.

Results from 2009 Reliability Report Studies: Deliveries to CLWA

Total SWP Table A Delivery to CLWA (including carryover)						
Study	Average (1922-2003)	Single dry year (1977)	2-year drought (1976-77)	4-year drought (1931-34)	6-year drought (1987-92)	6-year drought (1929-34)
Current (2009)						
Delivery (TAF)	58.3	12.8	44.0	32.8	34.4	33.4
% of Table A*	61%	13%	46%	34%	36%	35%
Future (2029)						
Delivery (TAF)	57.4	9.1	34.1	33.0	29.6	33.8
% of Table A*	60%	10%	36%	35%	31%	36%
* CLWA Table A amount is 95.2 TAF.						

Comparison to 2005 Reliability Report: Deliveries to CLWA

- Lower average SWP deliveries.
- Higher single dry year deliveries (1977).
- Variable effect on multiple dry year deliveries.

Total SWP Table A Delivery to CLWA						
Study	Average (1922-94/2003)	Single dry year (1977)	2-year drought (1976-77)	4-year drought (1931-34)	6-year drought (1987-92)	6-year drought (1929-34)
2005 Report						
Current	64.7	3.8	39.0	30.5	40.0	35.2
Future	73.3	4.8	38.1	31.4	40.0	36.2
2009 Report						
Current*	58.3	12.8	44.0	32.8	34.4	33.4
Future	57.4	9.1	34.1	33.0	29.6	33.8
* Includes deliveries of carryover water.						

State Water Project Supply Reliability

Q & A -

Urban Water Management Plan 2010

Questions and Answers

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

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Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

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Future Meeting Dates and Times

- Public Workshops
  - May 25, 2010
  - July 27, 2010
  - September 28, 2010
- Hearings (Tentative)
  - October 1
  - November 30
- Adoption (Tentative)
  - CLWA December 31, 2010?
  - Purveyors June 2011?

Enduring Relationships - Trusted Expertise - Promises Delivered

Kennedy/Jenks Consultants

(ORIGINAL)

Santa Clarita Valley Urban Water Management Plan
July 27, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	MARSHALL PASTER			(661) 252 6057	20701 Soledad Cyn Rd 358 Canyon Country CA 91351
2.	Stacy Miller	SCMPA			
3.	Dirk Marks	CLWA	WRM		
4.	Mary Lou Cotton	K/J			
5.	Matt Dickens	VWC	Resource Conservation Manager	661-257-5132	MDickens@valleywater.com
6.	JANICE THOMAS	private		661 222-7450	22pupperwolf@att.net
7.	Kevin Korenthal	Self		(661) 310-0769	—
8.	Cathy Hollomon	SCWA	Assoc WR Planner	661-259-2737	chollomon@scwater.org
9.	Harold Geiger	private	Homeowner	661 254 6478	htgeiger@sbcglobal.net
10.	Kendra Geiger	"	"	" " "	"
11.	PAUL BSTRICKLAND	ASSEMBLYMAN CAMPBELL SMYTH	FIELD REP	661 714 6999	LUCK4US@ca.rr.com
12.	Patrick Bryant	City of SC	Admin Analyst	661-255-4902	pbryant@santa-clarita.com
13.	mari johnson	Self		661 360 8178	marijohns7@yahoo.com
14.	Steve Cole	NCWD	GM		SCOLE@NCWD.ORG
15.	L Adams	HOA			
16.	S Moss	HOA			
17.	B Bothara	HOA			
18.	Jorge H Aguila	Aguila Landscaping	owner	661-259-5641	aguilaland@sbcglobal.net

Santa Clarita Valley Urban Water Management Plan
July 27, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	Maureen Wade	Interested Citizen		661-254-2370	mobrownies@cc.rr.c
2.	Ronald Wynn	SDS			
3.	JEFF SAUNDERS	RESIDENT			JBSAWNDERS@AOL
4.	JASON SMISKO	SANTA CLARITA			
5.	Rebecca Correa	Waterwise			rcorrea@waterwise-consulting.com
6.	DAN RAMLER	SANTA CLARITA			
7.	Robert DiPrimio	Valencia Water			rdiprimio@valenciawater.c
8.	David Fryar	self			engrdave@mac.com
9.	Julie Molinare	Grass Greener Landscape Designs			
10.	Jackie Bick	Sen. M. Runner			
11.	Henry Schultz	SELF		661-284 5613	HENRYSO@PACBELL.NET
12.	JESSICA BUNKER	LAC WWD		626-300-3315	jbunker@dpw.lacounty.gov
13.	RAY ARSNOW	HOMEOWNER		———	IRSTEAMERR@yhoo.com
14.					
15.					
16.					
17.					
18.					

Santa Clarita Valley Urban Water Management Plan
July 27, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	Sally Bowler	Self	4	661-313-8324	salbowler@yahoo
2.	Sandra Cattell	Sierra Club		661 2590433	sumcatt@yahoo.com
3.	Carole Luthess	SCV Fair Electrics		661-755 3772	Carolelutness@Att.Co.
4.	DAN MASNADA	CLWA	G.M.	661 2971600	
5.	Nancy Andrews	Retire DWR		661-295-6771	
6.	Frank Smathers	customer		661-296-0511	thunder1road@gmail.co
7.					
8.					
9.					
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12.					
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September 2010 UWMP Workshop Notification of Postponement

Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

September 14, 2010

«AddressBlock»

Subject: **September 2010 UWMP Workshop Postponed**

«GreetingLine»

Thank you for your interest in the 2010 Urban Water Management Plan (UWMP) and/or your attendance at one of the recent community workshops.

This is to notify you that the originally scheduled **September 28, 2010 UWMP workshop** has been **postponed** as we are awaiting UWMP document guidelines from the State of California which will not be released until the end of October, 2010.

The next 2010 UWMP community workshop will provide the most current information on components of the 2010 planning document and will take place as follows:

Date:	Tuesday, November 16, 2010
Time:	4:00 pm
Location:	Castaic Lake Water Agency 27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's water situation through the year 2035 and describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation at the November community workshop and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication
P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

POSTPONED

Friday 9-24-10 Signal

The originally scheduled September 28, 2010 UWMP workshop has been postponed as we are awaiting UWMP document guidelines from the State of California which will not be released until the end of October, 2010.

The next 2010 UWMP community workshop will provide the most current information on components of the 2010 planning document and will take place as follows:

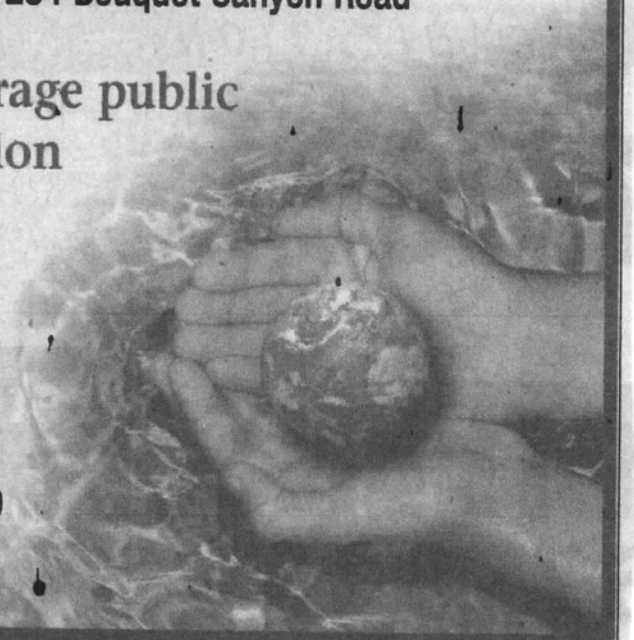
New Workshop Date is:

Date: Tuesday, November 16, 2010

Time: 4:00 pm

Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

We encourage public participation and input



For more information, please call (661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

November IRWM Stakeholder Presentation

Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

November 9 Upper Santa Clara River IRWM Stakeholders Meeting Notification

To: Jeff Ford
Cc: Jeff Ford
Subject: RE: November 9 Upper Santa Clara River IRWM Stakeholders Meeting

From: Jeff Ford
Sent: Thursday, October 28, 2010 7:55 AM
To: Jeff Ford
Subject: November 9 Upper Santa Clara River IRWM Stakeholders Meeting

Dear Upper Santa Clara River IRWM Stakeholders:

Our next meeting will be one week from today at the City's Activities Center. We have had several meetings at this location now, but you can go to the City's website if you need directions, or map the address (20880 Centre Pointe Parkway, Santa Clarita, California 91350). On the agenda is an update of our grant applications, an update of the activities of the Invasive Weeds Task Force and an overview of the 2010 Urban Water Management Plan for the Santa Clarita Valley presented by the consultants working on it (an agenda is attached). We will start as usual at 2:30 p.m., but probably end a little later than normal given the items on the agenda.

Hope to see you all there.

Regards,

Jeff Ford
Principal Water Resources Planner
Castaic Lake Water Agency
(661) 513-1281

1

Urban Water Management Plan

Upper Santa Clara River Watershed
Integrated Regional Water Management Plan
Stakeholder Meeting
Tuesday, November 9, 2010

Enduring Relationships - Trusted Expertise - Promises Delivered

2

IRWMP Stakeholder Meeting
UWMP Overview

- What is an UWMP?
- Who is required to submit an UWMP?
- Why are UWMPs developed?
- When are the UWMPs developed?
- Existing and new requirements of UWMPs
- Q&A

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3

What is an Urban Water Management Plan?

- An Urban Water Management Plan is a comprehensive planning process whereby urban water suppliers describe and evaluate sources of water supply, efficient uses of water, demand management measures, implementation strategy and schedule, and other relevant information and programs.

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4

Who is required to prepare an UWMP?

- Publicly or privately owned water suppliers (including wholesalers), providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet annually.

5

Why are UWMPs Developed?

- In adherence to the 1983 Urban Water Management Planning (UWMP) Act and subsequent legislation
- To develop a framework for agencies to integrate programs and projects that enhance the quality and quantity of regional water supplies
- To identify gaps between supply and demand through time (20-year analysis required)
- To provide detailed description of all supply sources (surface, recycled, groundwater)

6

Why are UWMPs Developed? (Cont'd.)

- To identify Demand Management Measures (water conservation programs)
- To address water quality issues
- To develop water shortage contingency planning
- To describe how demand will be met through time, in all hydrologic year types (normal, multiple dry, critical dry)

7

When are UWMP Plans Developed?

- Suppliers are required to update UWMP every five-years (years ending in 0 or 5).
- 2010 – current update
- July 1, 2011 for retailers (SBx7-7 extended UWMP deadline for retailers but silent on extension for wholesalers.)
  - Under current UWMP Act, wholesalers should complete UWMP by December 31, 2010. But "cleanup legislation" (AB 2776 and SB 1478) extended deadline to July 1, 2011 for wholesalers.

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8

Coordination and Notification Requirements

"Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practical."

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9

Coordination and Notification Requirements

Other:

- Must hold public hearing prior to adoption of UWMP
- Must give cities and counties in service area 60 days notice prior to public hearing
- Must provide cities and counties and LAFCO in service area with copies of UWMP within 30 days of adoption

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10

Penalties

- Ineligible for State Grant and Loan Funding (at least until plan is completed to DWR satisfaction)
- Vital to the IRWMP process!

11

What, Who, Why, When, etc…

- Q&A/Discussion

12

New Requirements for 2010 UWMP

- New Law: SBX7-7 ("20% x 2020"), reporting starts with 2010 UWMPs
  - Base gross water use in gpcd: must be calculated using one of three methodologies
  - Target reduction from base by 2020: reporting requirements differ for retailers vs. wholesalers
  - Must be calculated using one of four methodologies
  - Agencies must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

13

New UWMP Requirements

- Base gross water use in gpcd: calculation

  Total volume of water (treated or not) entering the retail distribution system, divided by the total population of the service area

  (Excludes: recycled water, net volume into long-term storage, water conveyed to another retailer, agricultural water)

14

New UWMP Requirements

- Base gross water use in gpcd: methodologies
  - 10-year average
    - *ending no earlier than 2004 – no later than 2010; OR*
  - 15-year average if 10% of 2008 demand met by recycled water
    - *get to add 5 years to calculation; AND*
  - 5-year average
    - *at least 5% reduction if agency is already close to 100 gpcd*
    - *ending no earlier than 2007 – no later than 2010*

15

New UWMP Requirements

- Base gross water use in gallons per capita per day (gpcd)
  - Averages are determined on a rolling basis
  - Should review demands over various periods to determine hydrologic and demand year types
  - Recent economic impacts and drought response may have reduced demand!

16

New UWMP Requirements

- Target reduction methodology options
  1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
  2. Combination of state standards:
     - 55 gpcd indoor residential + landscape use at 70% -80% ETo + 10% reduction in commercial/industrial/institutional use
  3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
  4. Option to be developed by October 2010

17

New UWMP Requirements

- Reduction Target Option 4
  - Subject to DWR public process during 2010
  - Will identify targets to achieve cumulative statewide 20% reduction
  - Must allow flexibility for water supplier service area characteristics

18

New UWMP Requirements

- Issues: DWR will derive methodologies for calculations: population, base water use, gross water use, sector water use, Option 4, others
  - As DWR derives new methodology standards, agencies may be required to use them
  - Won't be final until December 2010
  - If work has already been done, it may need to be repeated
  - = Reason for UWMP deadline extension to July 1, 2011

19

New UWMP Requirements

- Other
  - SB 1087 (Florez) - requires an UWMP to include projected water use for single-family and multi-family residential housing for lower income households as identified in the housing element of any city, county, or city and county in the service area of the supplier.

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20

Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

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21

Questions, Answers and Discussion

CASTAIC LAKE WATER AGENCY

NCWD

SCWD

Enduring Relationships - Trusted Expertise - Promises Delivered

22
Future Meeting Dates and Times
Public Workshops
May 25, 2010
July 2, 2010
November 16, 2010
January 11, 2011 (tentative)
March 8, 2011 (tentative)
Public Hearings
January 26, 2011 (tentative)
March 23, 2011 (tentative)
April 27, 2011 (tentative)
Adoption
June 2011
Enduring Relationships - Trusted Expertise - Promises Delivered

Upper Santa Clara River Watershed
Integrated Regional Water Management Plan

Stakeholder Meeting #18
Tuesday, November 9, 2010
2:30 pm –4:30 pm
City of Santa Clarita Activities Center
20880 Centre Pointe Parkway
Santa Clarita, California 91350

Meeting Objectives:

- Updates on Grants
- Invasive Weeds Task Force Report
- 2010 Urban Water Management Plan Workshop

AGENDA

2:30	**I.**	**Welcome and Introductions** A. Meeting purpose and outcomes B. Stakeholder self-introductions *Jeff Ford, CLWA*
2:35	**II.**	**Project Updates/Prioritzation** A. Planning Grant Update B. Planning Grant Schedule C. Implementation Grant Update D. Final Suite of Projects E. Implementation Grant Schedule *Jeff Ford, CLWA*
2:45	**III**	**Santa Clara River Invasive Weeds Task Force** A. Results of October Meeting B. Future Activites *Heather Merenda, City of Santa Clarita*
3:00	**IV.**	**2010 Urban Water Management Plan**
4:30	**V.**	**Close**

UPPER SANTA CLARA RIVER
INTEGRATED REGIONAL WATER MANAGEMENT PLAN

Stakeholder Meeting #18

November 9, 2010
City of Santa Clarita, Activities Center

Meeting Summary

PURPOSE AND MEETING OVERVIEW

The purpose of this 18th stakeholder meeting was to:

- Update Stakeholders on Grants
- Report on the Invasive Weeds Task Force
- Hold a Workshop on the 2010 Urban Water Management Plan

Stakeholders representing public agencies and private, non-profit organizations attended this meeting.

UPDATE ON THE IRWM PROCESS

Jeff Ford provided a recap and explanation of the progress on grant applications for both the Planning Grant and the Implementation Grant including:

- Overview of new Plan requirements
- The submittal of a Planning Grant application in September and the schedule for DWR to award.
- Progress on preparing an Implementation Grant application and the expected schedule for DWR to accept applications and make awards.
- Review of the final project suite in the Implementation Grant application and approval of including a project not in the adopted IRWMP: the Valencia Water Company's Santa Clarita Valley Southern End Recycled Water Project.

UPDATE ON THE SANTA CLARA RIVER INVASIVE WEEDS TASK FORCE

Heather Merenda from the City of Santa Clarita discussed the Task Force's progress to date and gave an overview of the goals of the Task Force. She noted that the next meeting was scheduled for January in Filmore. More details will be sent to the stakeholders as they become available, but interested parties were encouraged to join the Task Force directly.

OVERVIEW OF THE 2010 URBAN WATER MANAGEMENT PLAN

Stacy Miller of Stacy Miller Public Affairs and Mary Lou Cotton of Kennedy/Jenks Consultants gave an overview of the requirements of the UWMP Act, the contents of the UWMP and the progress to date on the 2010 UWMP. They detailed the schedule of workshops and hearings leading the adoption of the UWMP in June of 2011.

OTHER ITEMS

Jeff Ford announced that the next Stakeholders Meeting is tentatively scheduled for January at a location TBD. Meeting notices will be emailed to stakeholders once a date is determined.

IRWMP Invitee & Attendee List - 11-9-10

Organization	Telephone Number	Fax Number	e-mail address	Initial
LA County Regional Planning	(213) 974-6476		madams@planning.lacounty.gov	
DWR, Glendale, CA	(818, 500-1645		Ljurkevi@water.ca.gov	
California Native Plant Society				
LA Co Flood Control District Meherva Ariki	626-458-4314		mariki@dpw.lacounty.gov	
Atkins Environmental	(661) 266-2260	(661) 253-3555	bj@atkinsenvironmental.com	
Building Industry Association	(661) 257-5046		nayala@biaglav.org	
Acton Town Council	(661) 269-2588		Airspecial@aol.com	
UCCE Water Quality Program				
West Ranch Town Council				
Senator George Runner	(661) 286-1471		jackie.bick@sen.ca.gov	
Los Angeles Sheriffs Department			wfbennet@lasd.org	
California Dept. of Water Resources				
UCCE - Los Angeles				
California Dept. of Water Resources				
California Regional Water Quality Control Board	(213) 576-6679		sbirosik@waterboards.ca.gov	
LA County Flood Control District			HBORDAS@dpw.lacounty.gov	
CDFG	(661)259-3750			
Friends of the Santa Clara River	(805) 498-4373		bottorffm@verizon.net	
UCCE Center for Water Resources				
U.A.P. Timberland				
California Coastal Conservancy				
NRCS-Somis				
U.S. Army Corps of Engineers	(213) 452-4057		darrell.w.buxton@usace.army.mil	
VCRCD-Wildscape Restoration	(805) 644-6852	(805) 642-2127	noreen@wildscaperestoration.com	
Los Angeles County DPW	(661) 947-7173		mcaddick@dpw.lacounty.gov	
USDA Forest Service			jcapell@fs.fed.us	
California Dept of Fish and Game	(805) 640-1852		mcardenas@dfg.ca.gov	
MIG Associates			joanc@migcom.com	
Newhall County Water District	(661) 259-3610		scole@ncwd.org	
Acton Town Council	(661) 269-5675			
The Nature Conservancy				
Kennedy/Jenks Consultants	(805) 658-0607		MaryLouCotton@KennedyJenks.com	
California Dept. of Fish and Game	(661) 263-8306		bcourtney@dfg.ca.gov	
Kennedy/Jenks Consultants	(805) 658-0607		MeredithClement@kennedyjenks.com	
	(818) 365-9847		d r crane@hotmail.com	
LA County DPW	(626) 458-3524	(626) 458-3534	ascruz@dpw.lacounty.gov	
Valley Crest Tree Company	(818) 737-2697		rcrudup@vctree.com	
Acton Town Council	(661) 269-3682	(661) 269-3683	wdavis289@hughes.net	
Assemblyman Cameron Smith	(661) 286-1565		jarrod.degoria@asm.ca.gov	
LA Co DPW	(626) 458-4313		bdepoto@dpw.lacounty.gov	
Valencia Water Company	(661) 294-0828		rdiprimio@valencia.com	

Organization	Telephone Number	Fax Number	e-mail address	Initial
The Nature Conservancy			tdoherty@tnc.org	
University of California Cooperative Extension	(323) 266-3404		sldrill@ucdavis.edu	
University of California, Santa Barbara	(805) 893-2911		tdudley@msi@uscsb.edu	
	(661) 251-9729	(661) 259-1845	water@dslextreme.com	
Santa Clarita Valley Well Owners Association	(661) 298-2000		rfleck@socal.rr.com	
Castaic Lake Water Agency	(661) 513-1281		jford@clwa.org	
LA Co DPW	(626) 458-6158		afuentes@dpw.lacounty.gov	
LA Co DPW Waterworks	(626) 300-3324	(626) 300-3358	hgallardy@dpw.lacounty.gov	
			avrcd@carcd.org	
LA Co Dept. of Regional Planning	(213) 974-6417		rglaser@planning.lacounty.gov	
Acton Town Council				
			tgrant@ladpw.org	
Los Angeles County Sanitation Disrict			fguerrero@lacsd.org	
West Ranch Town Council	(661) 254-6116		grf497@aol.com	
SCWD				
Los Angeles County Sanitation Disrict	(562) 908-4288 x 2832		fguerrero@lacsd.org	
Santa Clarita Valley Environmental Coalition			mgutzeit@ca.rr.com	
LA County Public Works Department	(626) 458-5918		bhamamo@ladpw.org	
California DFG			spharris@cdfg.ca.gov	
Director Regional Planning				
L.A. County Supv'r Mike				
CLWA	(661) 513-1253		Thawes@clwa.org	
Agua Dulce Town Council	(661) 268-1731			
Agua Dulce Town Council	(661) 268-1731		BH33605@AOL.com	
	(661) 295-7300		John@gruber-systems.com	
SCWD	(661) 259-2737		chollomon@scwater.org	
County of Ventura			Susan.Hughes@Ventura.org	
U.S. Army Corps of Engineers	(213) 452-3826		james.d.hutchison@spl01.usace.army.mil	
Agua Dulce Town Council			jjennings3570@sbcglobal.net	
Evironmental Protection Agency				
Vulcan Materials Co.,				
CalTrans, District 7 - IGR/CEQA Branch	(213) 897-1346		edwin_kapmann@dot.ca.gov	
Valencia Industrial Association				
LA County DPW	(626) 458-4350		fkim@dpw.lacountry.gov	
LA County Waterworks	(626) 300-3327		tjkim@dpw.lacounty.gov	
Castaic Area Town Council				
LA County Flood Control District	(626) 458-4350		Fkuo@dpw.lacounty.gov	
City of Santa Clarita	(661) 255-4337		TLANGE@santa-clarita.com	
Lakes Town Council	(661) 724-0150		cedar91@verizon.net	
			redraggles2@earthlink.net	
NRCS	(661) 945-2604 X 110		jae.lee@causda.gov	

Organization	Telephone Number	Fax Number	e-mail address	Initial
Angeles National Forest			mlambardo@fs.fed.us	
SCOPE				
Los Angeles County Sanitation Disrict	(562) 699-7411 X 2802		blouie@lacsd.org	
Santa Clarita Valley Chamber of Commerce	(661) 702-6977		Lmankin@scvchamber.com	
Castaic Lake Water Agency				
Aqua Dulce Town Council				
Ventura Cty Watershed Protection District				
LA County Dept. of Public Works	(661) 947-7173		mcaddick@dpw.lacounty.gov	
The Nature Conservancy	(805) 642-0345 ext. 502		cmccalvin@tnc.org	
L. A. County Regional Planning				
United Water Conservation District				
City of Santa Clarita	(661) 284-1413		hmerenda@santa-clarita.com	
County of Ventura Ag. Commisioner's Office				
The Nature Conservancy	(661) 642-0345 X 502		smatsumoto@tnc.org	
United Water Conservation District				
Valencia Water Company	(661) 295-6512		gmilleman@valencia.com	
City of Santa Clarita	(661) 284-1413		hmerenda@santa-clarita.com	
Ventura County Resource Conservation District (VCRCD)	(805) 386-4685	(805) 386-4890	marty.melvin@vcred.org	
County of Ventura				
Kennedy/Jenks Consultants				
City of Santa Clarita	(661) 255-4959		cmonde@santa-clarita.com	
NRCS				
County of Los Angeles, Department of Parks and Recreation				
			TNGOV@dpw.lacounty.gov	
SCOPE	(661) 255-7112			
Ventura Cty Watershed Protection District			kirk.norman@ventura.org	
			kathy@via.org	
Stillwater Sciences	(510) 848-8098 ext. 111		bruce@stillwatersci.com	
Tataviam Band of Mission Indians				
	(661)251-6113		DOJTRUM@SOCAL.RR.COM	
South Coast Wildlands Project				
Newhall Land	(661)257-1095		cperez@newhall.com	
Association of Water Agencies of Ventura County				
Supervisor Antonovich's Office	(661) 287-3657		dperry@lacbos.org	
Los Angeles County Flood Control District	(805) 57-0497			
SCOPE				
Well Owner	(661) 297-4401			
			avconservancy@yahoo.com	
SCV Well Owners Association				
The Sierra Club, Angeles Chapter				
County of Ventura	(805) 654-2455		lynn.rodriguez@ventura.org	

Organization	Telephone Number	Fax Number	e-mail address	Initial
Ventura Cty Watershed Protection District				
County of Ventura				
Newhall County Water District	(661) 259-3610		krussell@ncwd.org	
LA County Waterworks District #36 & 37			DRYDMAN@dpw.lacounty.gov	
Rivers and Mountains Conservancy	(626) 458-4315		fsimpson@rmc.ca.gov	
Aqua Dulce/Acton Country Journal	(661) 269-5804	(661) 269-5532	countryjournal@bigplanet.com	
Friends of the Santa Clara River	(661) 644-2802		rsweet46@hotmail.com	
Santa Monica Mountains Conservancy				
Sierra Club	(661) 296-1212		kms39005@csun.edu	
US Fish and Wildlife Service	(805) 644-1766 X 339		Steurer_denise@fws.gov	
Wetlands Recovery Project				
Rivers and Mountains Conservancy	(626) 815-1019 x110		ltorres@rmc.ca.gov	
Foothill Associates	(661) 284-3018		jeff.trow@foothill.com	
Mountains Recreation and Conservation Authority				
Ventura Cty Watershed Protection District				
Friends of the Santa Clara River				
Supervisor Antonovich's Office	(661) 287-3657		rwayman@lacbos.org	
	(661) 251-7790			
Councilmember, City Of Santa Clarita				
West Ranch Town Council	(661) 799-8089		rg@rgwinter.com	
United Water Conservation District				
LA County-DPW	(626) 458-6159		alwong@dpw.lacounty.gov	
State of California, Dept of Water Resources	(916) 651-9283		bwycoff@water.ca.gov	
Santa Clarita Valley Sanitation District	(562) 699-7411 X 2820		mzauner@lacsd.org	
LA County-Dept. Water Resources	(626) 456-6188		kzimmer@ladpw.gov	

SMPA - Stacy Meller 818402-5806 Stacy@StacyMellerPA.com

Mata Dickens - Valencia water 661-510-9733 mDickens@Valleywater.com

K Russell NCWD 661-2593610

D. Marks CLWA

Roger A. Harris CCA 805-641-3781 rah@agriculturesucss.com

November 2010 UWMP Workshop
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

November 3, 2010

*** Orgs shaded above will receive letter return receipt requested See Attached

Subject: 2010 Urban Water Management Plan November Workshop

Dear Sir or Madam,

The Santa Clarita Valley's water agencies, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, the water agencies have scheduled their third community workshop on November 16, 2010 and welcome your participation. This workshop will provide the most current information on components of the 2010 UWMP.

Date:	Tuesday, November 16, 2010
Time:	4:00 pm
Location:	Castaic Lake Water Agency 27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's water situation through the year 2035, describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication
P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

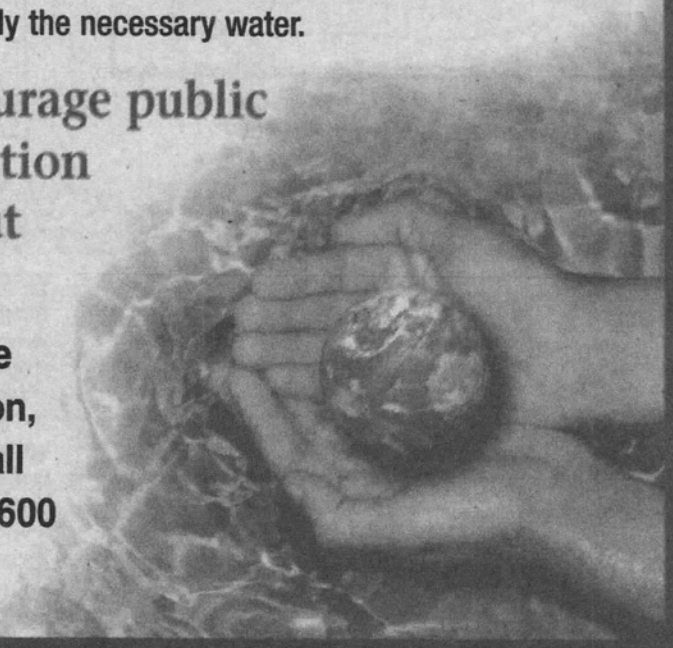
The Signal
11-9-10

Date: Tuesday, November 16, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input



For more information, please call (661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

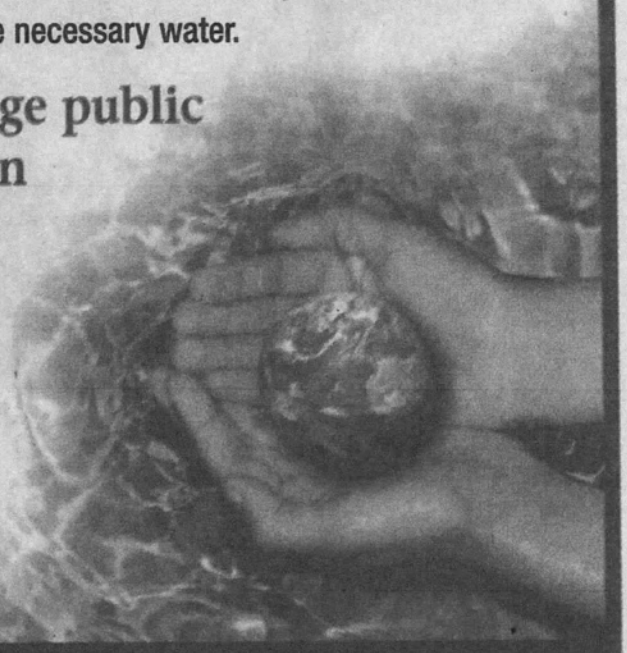
The Signal
11-14-10

Date: Tuesday, November 16, 2010
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation through the year 2035. It describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input



For more information, please call (661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

URBAN WATER MANAGEMENT PLAN UPDATE

2010 UWMP offers creative solutions to SCV water issues

The California Urban Water Planning Act requires water utilities to update and submit an Urban Water Management Plan (UWMP) every five years. CLWA and the local water retailers are preparing a draft of the Santa Clarita Valley 2010 Urban Water Management Plan for review this winter and spring of 2011. All California urban water suppliers having more than 3,000 service connections or selling more than 3,000 acre-feet of water annually are required by the California Water Code to prepare a UWMP every five years.

CLWA is one of approximately 450 water suppliers in California preparing such a plan. CLWA, Santa Clarita Water Division, Newhall County Water District (NCWD) and Valencia Water Company are working together to prepare a draft of the 2010 plan for the valley. The Los Angeles County Waterworks District No. 36 is participating on an ad hoc basis, as the Los Angeles County Department of Public Works must prepare its own UWMP.

Every Drop Counts

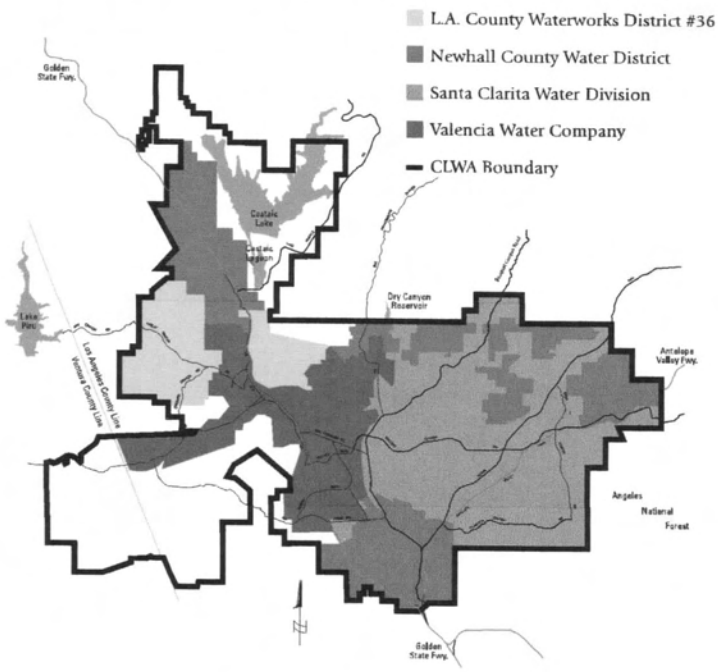
A UWMP must consider projected demands and supplies for a minimum 20-year period, in five-year increments. It must also assess water supply and demand scenarios for average/normal water years (i.e, periods of normal precipitation), a single dry year, and multiple dry years.

The draft 2010 UWMP for the valley will identify current local and imported water supply sources, as well as potential future sources. Current sources include the State Water Project, other sources of imported water, local groundwater and recycled water. Future potential sources include all of these plus water transfers and additional recycled water. The 2010 UWMP will also address the required levels of water conservation both to meet state law and ensure adequate supplies.

The plan will identify future demand based on growth projections. By assessing projected demand along with projected supply, the 2010 UWMP will show how the valley will meet its water needs through at least 2035.

There have been public workshops held to explain the UWMP and the process, and there will be several more along with a least two public hearings in 2011 by the CLWA and NCWD Boards of Directors. Public participation at all of these events is encouraged. The UWMP must be adopted no later than June 30, 2011.

Castaic Lake Water Agency Service Area



YOUR QUESTIONS AND COMMENTS ARE IMPORTANT TO US
PLEASE CALL (661) 297-1600 OR EMAIL US AT MAIL@CLWA.ORG

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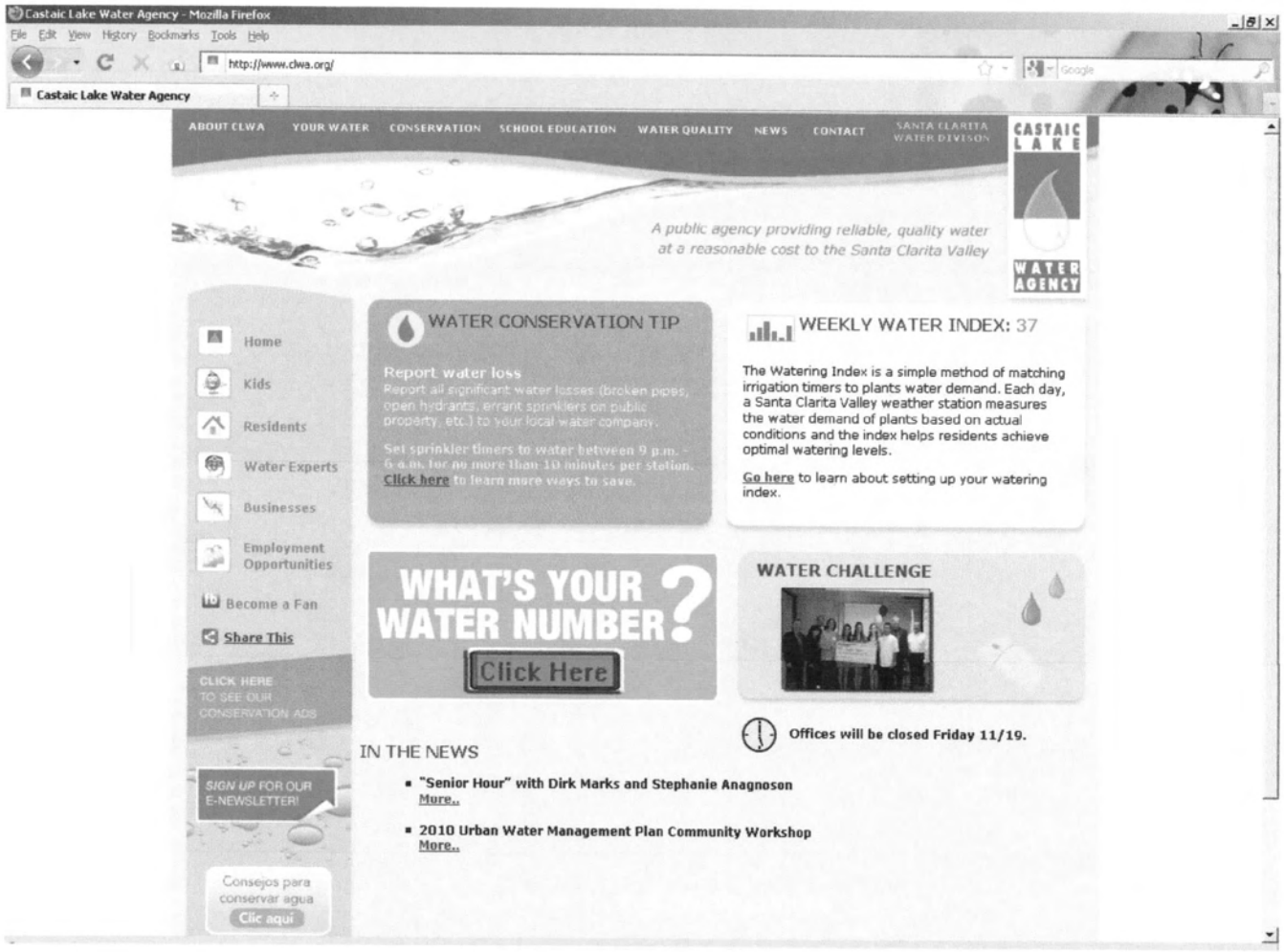
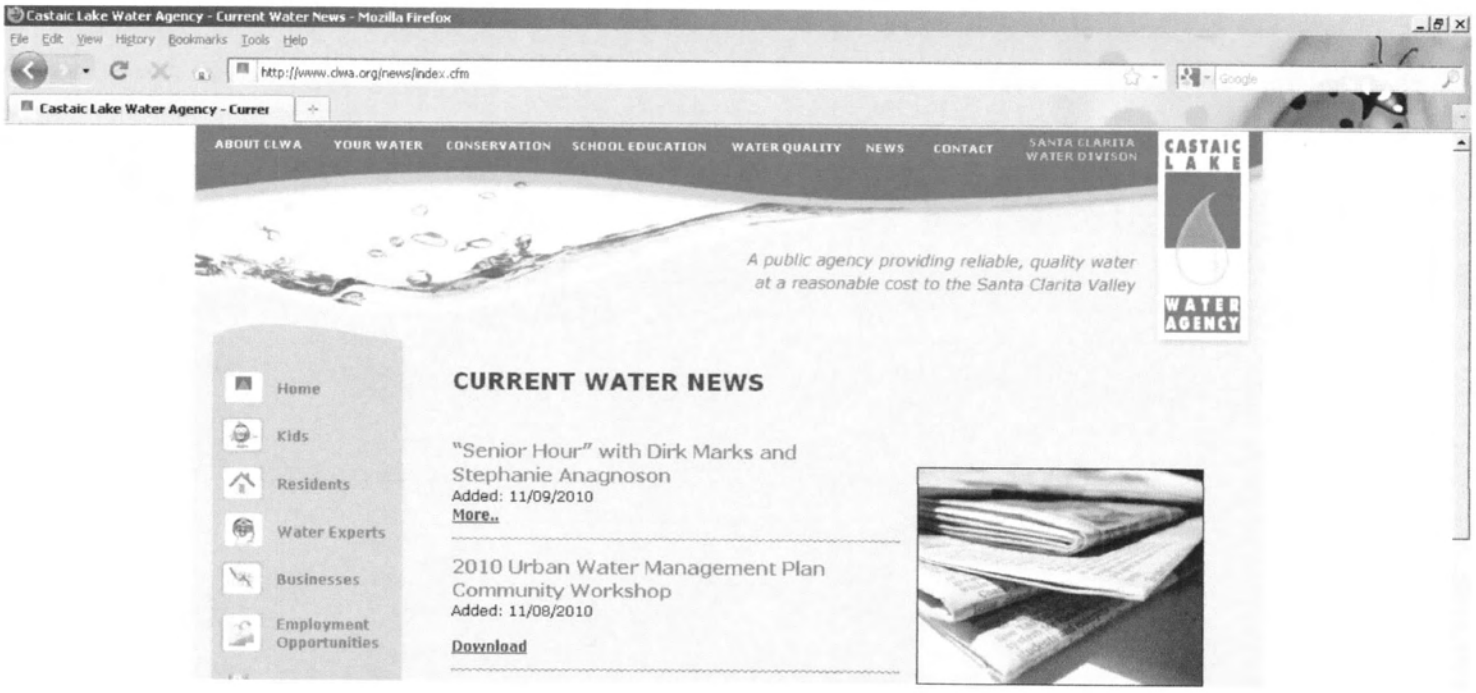
CASTAIC LAKE WATER AGENCY
27234 BOUQUET CANYON ROAD
SANTA CLARITA, CALIFORNIA
91350
(661) 297-1600
WWW.CLWA.ORG

Water Currents Newsletter
Fall 2010

PRINTED ON RECYCLED PAPER. EACH TON OF RECYCLED PAPER SAVES 7,000 GALLONS OF WATER.

Castaic Lake Water Agency
Webpage & Facebook Posting – November 2010 UWMP Workshop
Monday, November 08, 2010





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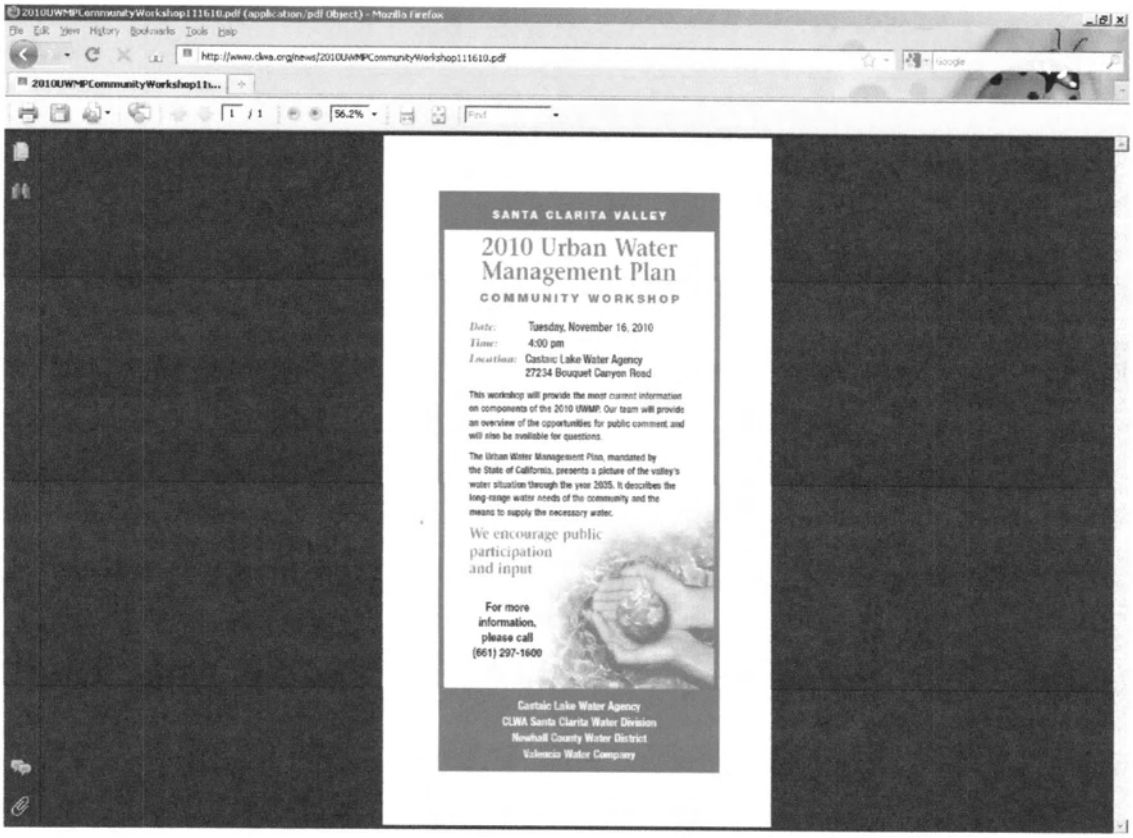
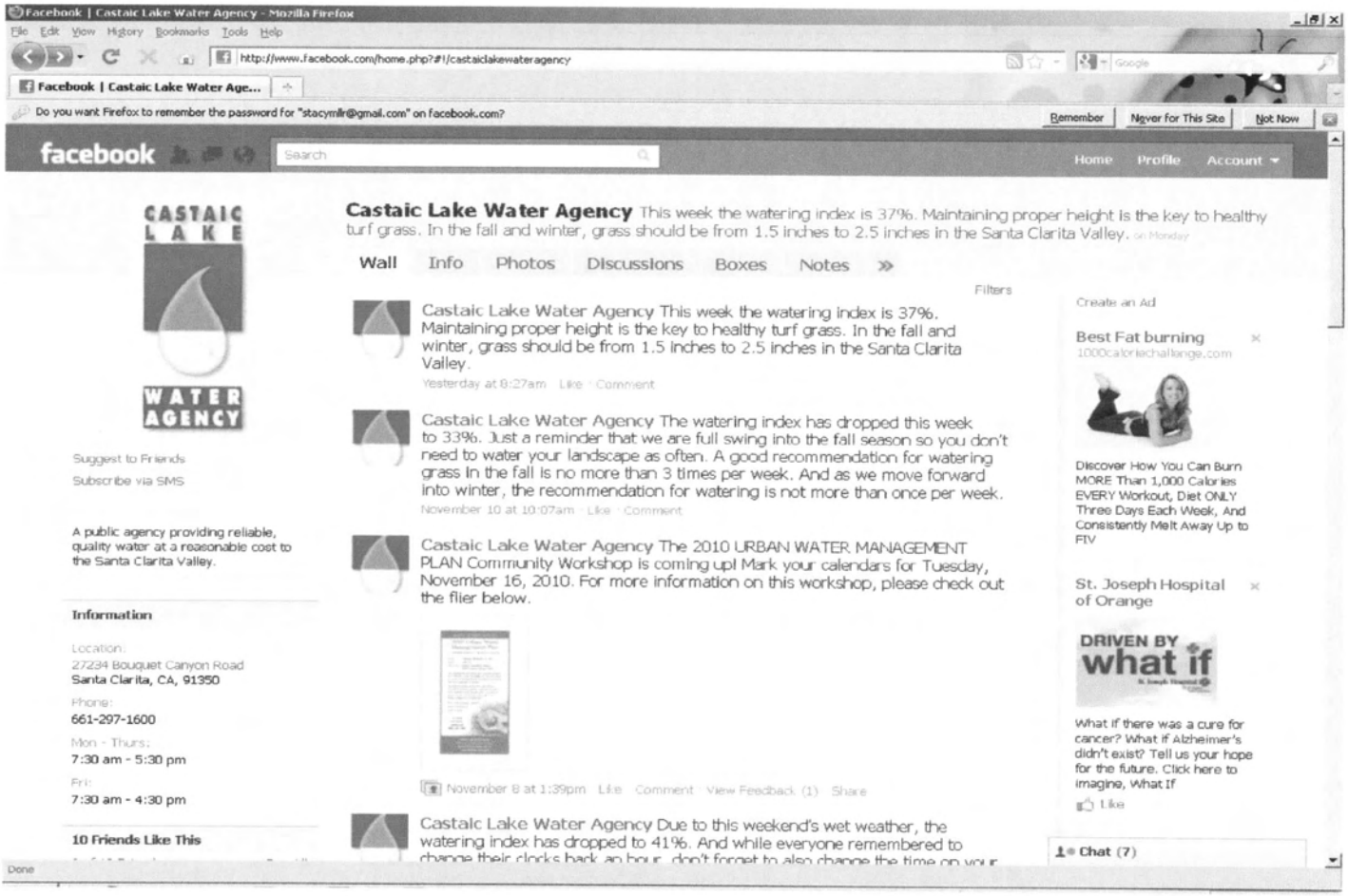
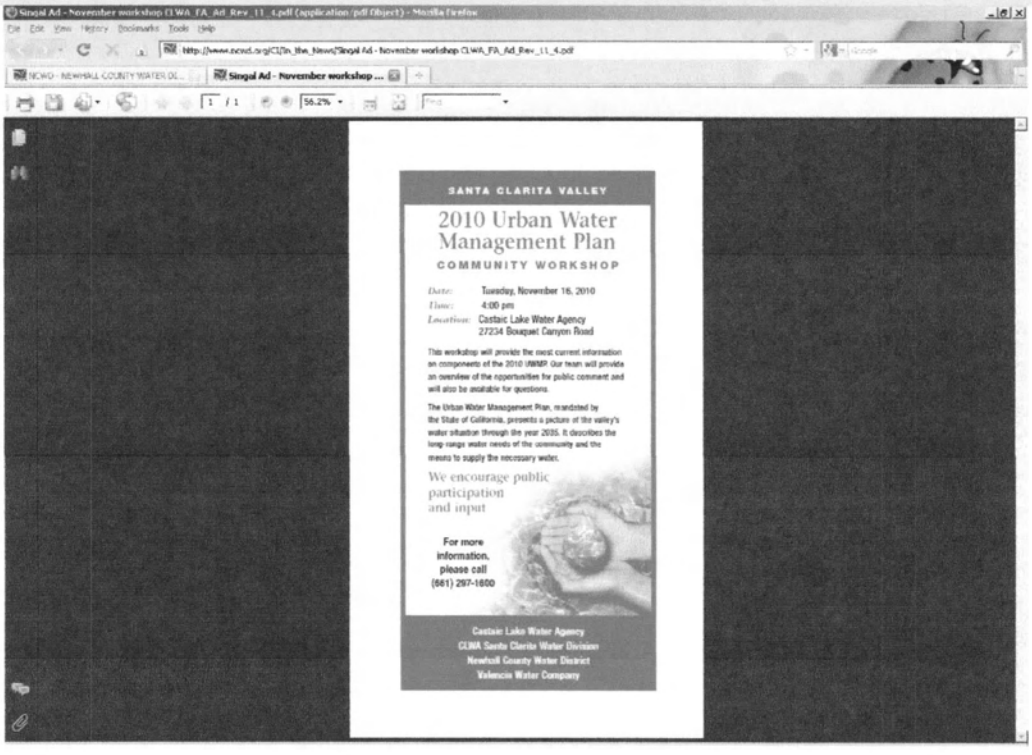
Webpage & Facebook Posting – November 2010 UWMP Workshop
Monday, November 08, 2010





Newhall County Water District
Webpage & Facebook posting – November 2010 UWMP Workshop
Monday, November 08, 2010



Facebook | Newhall County Water District - Mozilla Firefox

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NCWD

NEWHALL COUNTY WATER DISTRICT

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Our water is a precious resource... Use water efficiently, Every Drop Counts!

Information

Location:
23780 N Pine Street
Newhall, CA, 91321

Phone:
661-259-3610

Mon - Fri:
8:00 am - 5:00 pm

Newhall County Water District

Wall | Info | Photos | Discussions | Notes | Video

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Newhall County Water District Reg Board Mtg Wed Nov 17, 10 @ 6:30 pm

http://www.ncwd.org/OB/Agendas/regular-meeting-Nov17-2010.pdf
www.ncwd.org

November 10 at 10:29am · Like · Comment · Share

Newhall County Water District 2010 Urban Water Management Plan Community Workshop Nov 16, 10

http://www.ncwd.org/CI/In_the_News/Singal%20Ad%20-%20November%20workshop%20CLWA_FA_Ad_Rev_11_4.pdf
www.ncwd.org

November 8 at 11:03am · Like · Comment · Share

Newhall County Water District Notice of Holiday Closure

http://www.ncwd.org/CI/In_the_News/Holiday%20Closure.pdf
www.ncwd.org

November 4 at 10:09am · Like · Comment · Share

Newhall County Water District SCV Water Committee Mtg on Tue Nov 2, 10 @ 2pm @ City Hall of Santa Clarita

http://www.ncwd.org/OB/Agendas/SCV%20Comm%20Agenda%20Nov%202%2010.pdf

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Some "diet" foods can actually increase stomach fat. Learn to avoid these hidden junk foods. The Diet Solution Program

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What if there was a cure for cancer? What if Alzheimer's didn't exist? Tell us your hope for the future. Click here to imagine, What If

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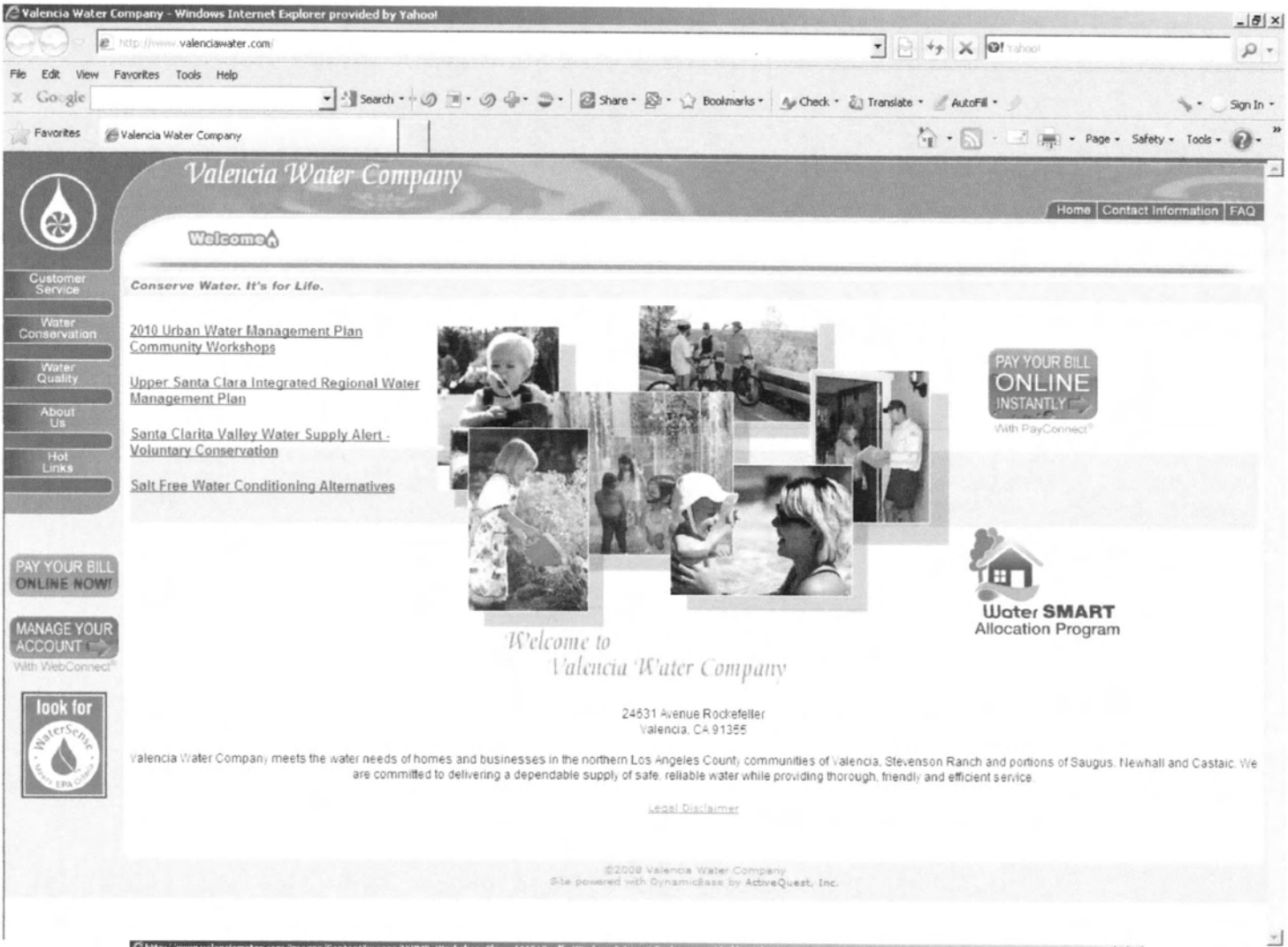
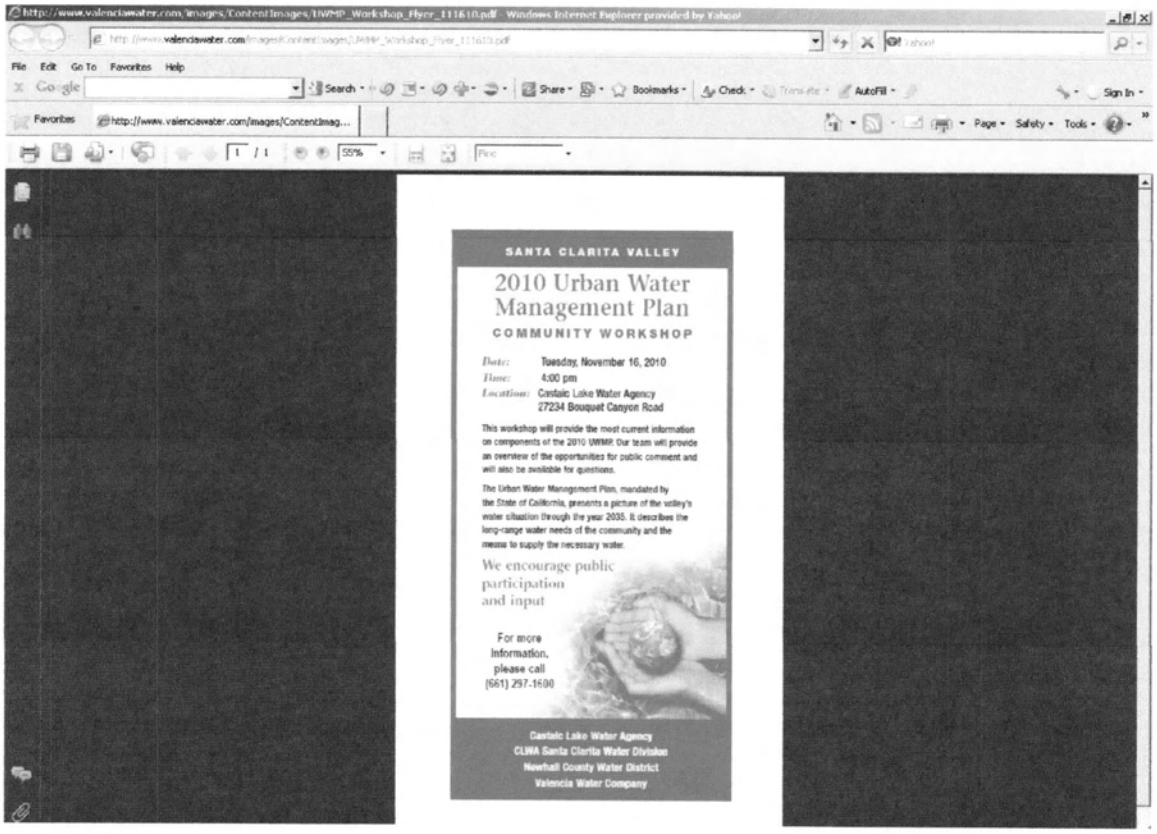
Valencia Water Company
Webpage posting – November 2010 UWMP Workshop
Friday, November 05, 2010





Santa Clarita Valley Urban Water Management Plan

Community Workshop

November 16, 2010
4:00 pm
Castaic Lake Water Agency

Agenda

- Introductions
- Review/status of UWMP process
- SBX7-7 GPCD population assumptions and calculations, and targets by retailer
- Questions and Answers

New Law: SBX7-7 ("20% x 2020")

- 20% demand reduction statewide by 2020
- Sets mandatory demand reduction goal for each retail water supplier
- Reporting starts with 2010 UWMPs
  - Base gross water use in gallons per capita per day (GPCD): must be calculated using one of three methodologies
  - Target reduction from base by 2020: must be calculated using one of four methodologies
  - Supplier must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

Process for Determining SBX7-7 Base Gross Water Use (in GPCD)

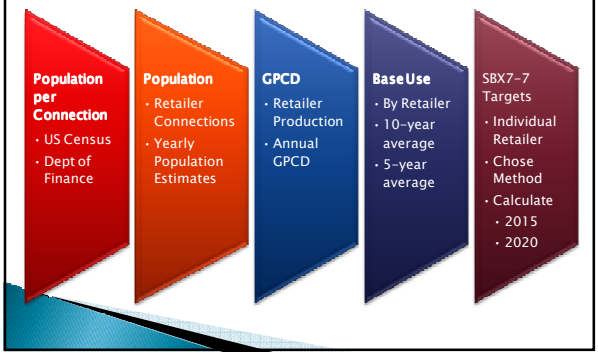
Base Gross Water Use Method

- Base water use in GPCD: methodologies
  - 10-year average
    - ending no earlier than Dec 31, 2004 – no later than Dec 31, 2010 *OR*:
  - 15-year average if 10% of 2008 demand met by recycled water
    - get to add 5 years to calculation (SCV retailers do not qualify)
  - And: 5-year average
    - ending no earlier than Dec 31, 2007 – no later than Dec 31, 2010
    - 100 gpcd; at least 5% reduction for all agencies in CA over 100 gpcd

Example: Newhall County Water District Draft GPCD Calculation

Year	Single Family	Multi-Family	People per Unit	Population	Production (AF)	GPCD	10-year Average
1995	5,680	4,552	3.020	30898	7,755	224	240
1996	5,723	4,589	3.038	31323	7,887	225	241
1997	6,035	4,612	3.056	32533	8,801	242	242
1998	6,037	4,622	3.074	32764	8,087	220	243
1999	6,202	4,651	3.092	33561	9,348	249	244
2000	6,255	4,713	3.111	34121	9,718	254	
2001	6,428	4,768	3.130	35041	9,525	243	
2002	6,777	4,823	3.149	36526	10,362	253	
2003	7,199	4,852	3.168	38178	10,351	242	
2004	7,873	4,870	3.187	40618	11,217	247	
2005	8,163	4,875	3.207	41814	10,756	230	
2006	8,292	4,875	3.227	42490	11,470	241	
2007	8,431	4,875	3.247	43206	11,975	247	
2008	8,450	4,875	3.267	43539	11,340	233	
2009	8,492	4,875	3.288	43951	10,559	214	
2010	8,529	4,875	3.288	43951	10,559	214	

Process for Determining SBx7-7 Base Use and GPCD Reduction Targets



Draft Base Gross Water Use Results

Agency	5-year GPCD	10-year GPCD
CLWA Santa Clarita Water Division	230	235
Newhall County Water District	241	244
Valencia Water Company	258	278

Target Demand Reduction Methodology Options

- 1.) 20% reduction from base (i.e., 80% of average gross water use in GPCD)
- 2.) Combination of state standards:
  - 55 gpcd indoor residential + landscape use at 70% ETo + 10% reduction in commercial/ industrial/institutional use
- 3.) DWR 20x2020 hydrologic region target (South Coast region = 149 GPCD)
- 4.) Option to be developed by DWR Public Process

Draft GPCD Target Demand Reductions Option 1 : 80% of base use

Agency	2015 Objective	2020 Objective	2009 GPCD (current)
VWC	250	222	240
NCWD	219	195	214
SCWD	211	188	201
Regional	219	195	219

Method normalizes for:

- Low economic activity
- High vacancy rates
- Year to year weather variances

Note: Note: 2009 is 3rd year of drought

Future development has more CII demands

Consultant Team

- Kennedy/Jenks Consultants
- Luhdorff and Scalmanini
- Nancy Clemm, P.E.
- Stacy Miller Public Affairs

Questions and Answers

Public Workshops and Hearings

- **Public Workshops**
  - May 25, 2010
  - July 2, 2010
  - November 9, 2010 (IRWMP Stakeholders)
  - November 16, 2010
  - January 11, 2011 (tentative)
  - March 8, 2011 (tentative)
- **Public Hearings**
  - January 26, 2011 (tentative)
  - March 23, 2011 (tentative)
  - April 27, 2011 (tentative)
- **Adoption**
  - June 2011

Santa Clarita Valley Urban Water Management Plan
November 16, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	JOSE ZEGARRA	COC		(661) 287 4403	JOSEZEGARRAS@HOTMAIL
2.	Genaro Vallejo	COC		323-243-2638	genarovallejo@att.net
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4.	Cathy Holloman	SCWD	Assoc Water Res Planner	661-259-2737	cholloman@scwater.org
5.	KEITH ABERCROMBIE	VWC	GM	661-295-6501	KAbercrombie@VALLEYWATER
6.	GENE MUTH	COC		661 250-8414	GMUTH@BEVERLYHILLS.ORG
7.	BILL DEPOTO	LACFCD		626.458.4313	BDEPOTO@LADPW.ORG
8.	JIM WEIHERER	CLWA	PURCHASING TECH	661-297-1600	jweiherer@clwa.org
9.	ALBERT PETERSEN	GWP	APPRENTICE	818/468-7880	MARIWETTEPTRSN@AOL.COM
10.	Sharon Sorensen	City of Santa Clarita	Sr. Planner	661/267-5234	Ssorensen@santa-clarita.com
11.	JESSICA BUNKER	LACWWD NO. 36	ASSOC. CE	626/300-3315	jbunker@ladpw.org
12.	Tom Worthington	Impact Sciences	President	805 443-5170	tomworth@impactsciences.com
13.	KEVIN AGUIAR	COC		(661) 250-0737	K.Aguiar@SOCALLRR.com
14.	Jeff Ford	CLWA	WR Planner	(66) 513-1281	Jford@clwa.org
15.	Dirk Marks	"	W.R. Manager	661 ~~360~~ 513 1297	dmarks@clwa.org
16.	BRIJESH MISRA	LA city	Inspector	(818) 830-0420	Brijeshcmisra@gmail.com
17.	BJ Atkins	Atkins Env. HELP	Owner	661 510 3663	bj@atkinsenvironmental.com
18.	STEVE MCLEAN	—	—	661-259-4767	MCLEAN.STEPHEN@CH.RR.COM

Santa Clarita Valley Urban Water Management Plan
November 16, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	Francisco Guerrero	LACSD	Senior Engineer	562 903 4209 x 2032	FGuerrero@lacsd.org
2.	Stacy Miller	SMPA	Consult	818 403-5800	Smiller@SMP
3.	LUIS MARGHERITIS	CLWA	TECH.	(661) 510-4448	LMARGHERITIS@CLWA.ORG
4.	COLETTE HILLARD				
5.	GRANTS, ERIC			661-406-3219	ERICERIC@YAHOO.COM
6.	Linda Purpus	UWCD	Env. Scientist	805-525-4431	lindap@unitedwater.org
7.	Dusty Osmonson		Public	661-644-6546	lifted horsley@yahoo.com
8.	ERNI N		public	661-296 2775	nie.mani@yahoo.com
9.	Renee Sabol	Castaic Town Council	Council person	661-803 7123	ReneeSabol@AOL.com
10.	Sharren Naulls			661 862-9221	snaulls@avc.edu
11.	Betty Cameron			661 297-8116	
12.	Greg Kring	Burbank Water & Power	Pipefitter Apprentice	(626) 475-0413	Hailgeebus@Yahoo.com
13.	Chad Brightwell	BWP	"	(818) 621-5726	highryder98@yahoo.com
14.	FRANCK ROSENTHAL	COC	STUDENT	818-261-2036	FRANCK-IE@YAHOO.COM
15.	Bonnie Deagon	———	Pubic	661-373-8341	Bjdhugs@aol.com
16.					
17.					
18.					

Santa Clarita Valley Urban Water Management Plan
November 16, 2010 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	K. C. Valvo	BWP	App	818) 238-3500	
2.	JAMES ROWLANDS	BWP	APP	(818) 926-0978	
3.	Bonnie Deagon			661.373-8341	
4.	Leah Schulman			661-645-6344	leah.schulman@gmail.com
5.					
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January 2011 UWMP Workshop
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

January 10, 2011

*** Orgs shaded above will receive letter return receipt requested (See attached)

Subject: January 2011 Workshop - 2010 Urban Water Management Plan

Dear Sir or Madam,

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, the water agencies have scheduled their fourth community workshop on January 25, 2011 and welcome your participation. This workshop will provide the most current information on components of the UWMP.

Date:	Tuesday, January 25, 2011
Time:	4:00 pm
Location:	Castaic Lake Water Agency 27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's future water situation, describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication
P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

or four years down the road? — but our government has sarily those of The Signal.

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

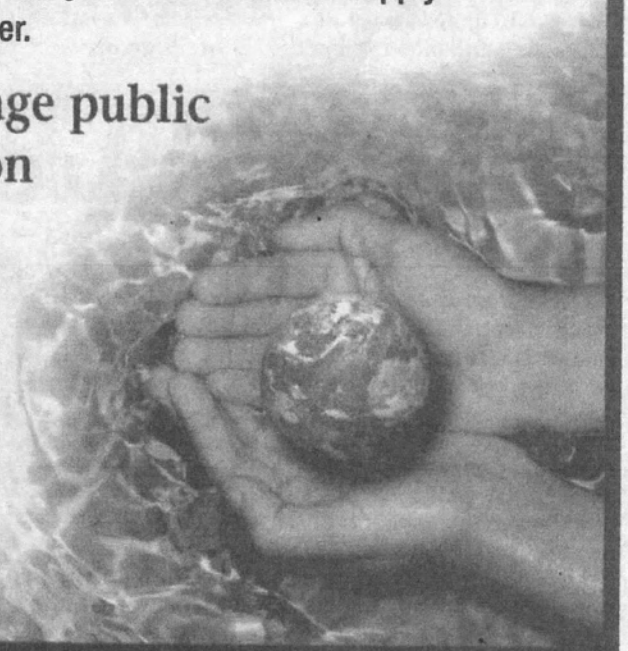
The Signal 1-18-11

Date: Tuesday, January 25, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation, describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input



For more information, please call (661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

The Signal 1-23-11

Date: Tuesday, January 25, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

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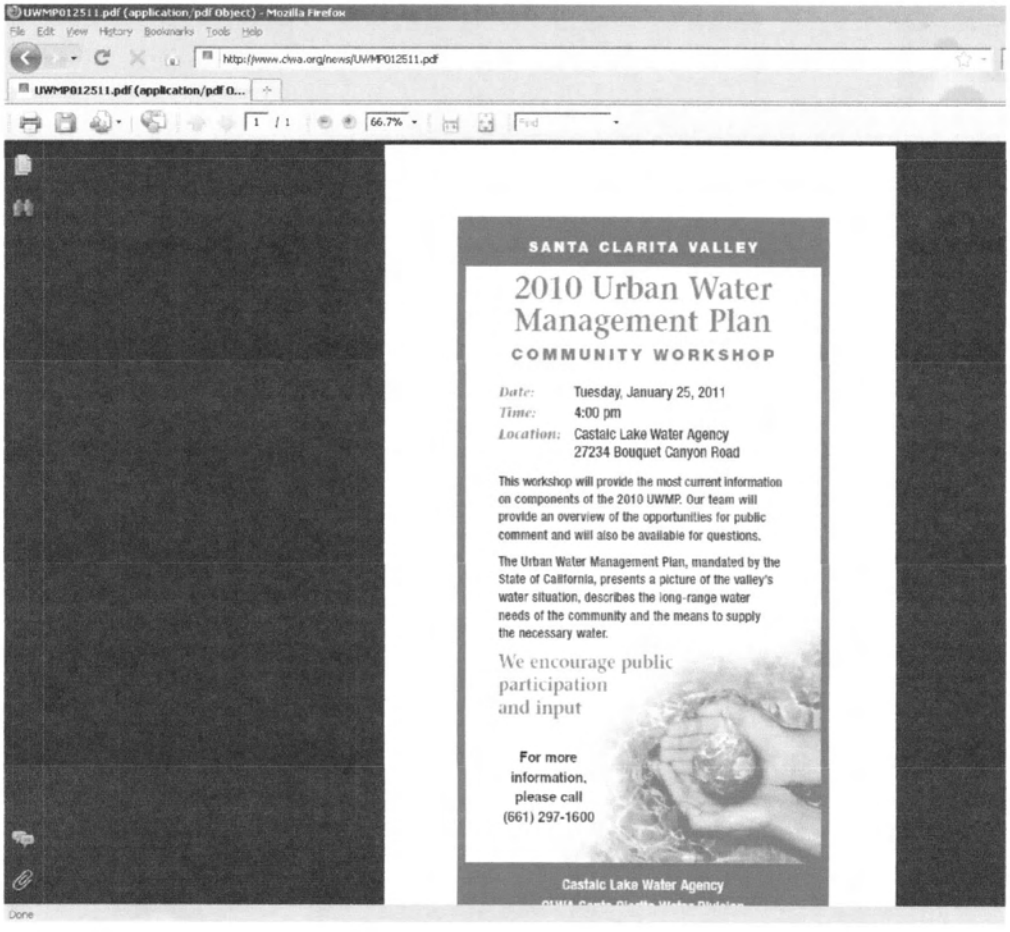
Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

Castaic Lake Water Agency
Webpage & Facebook Posting – January 2011 UWMP Workshop

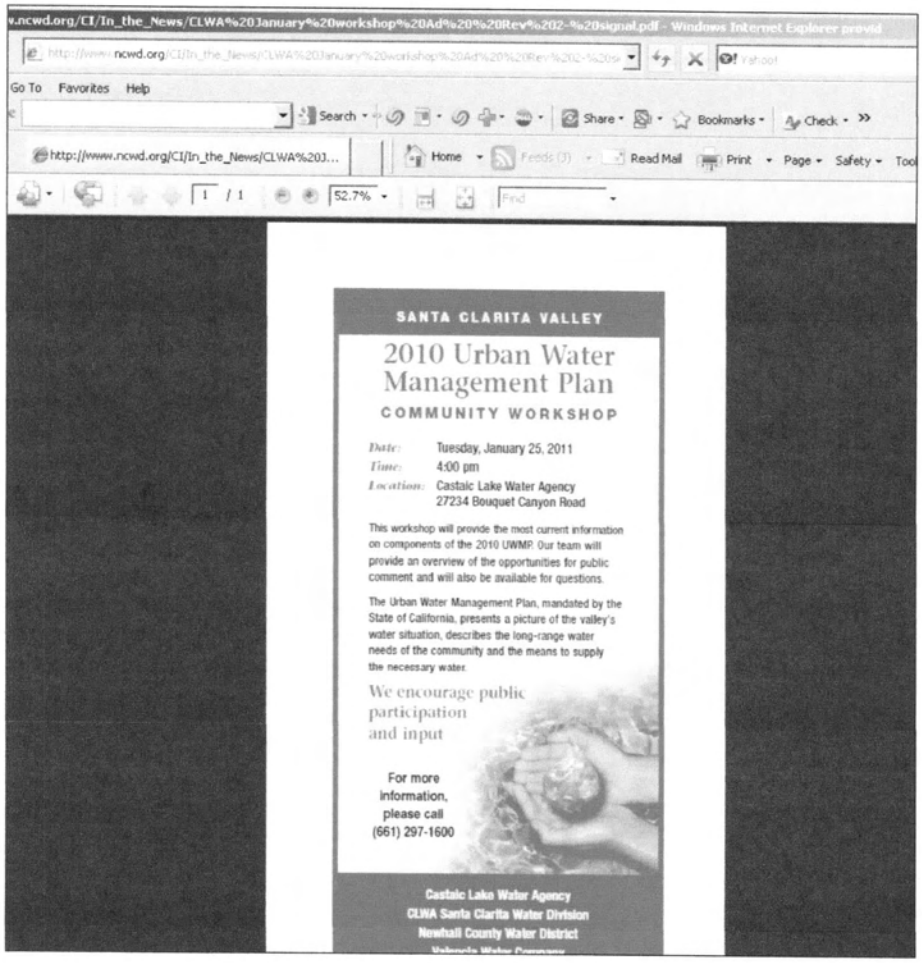


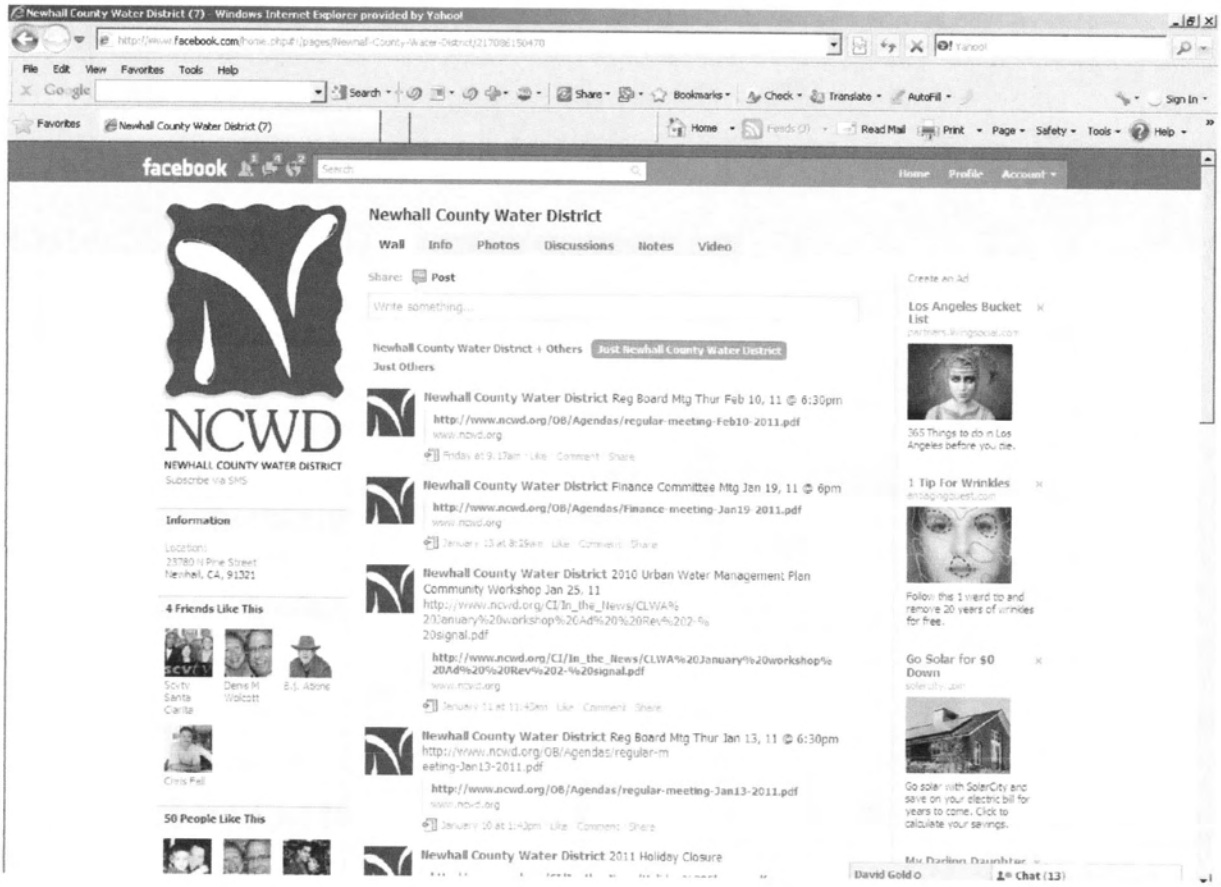
Castaic Lake Water Agency
Webpage & Facebook Posting – January 2011 UWMP Workshop

Newhall County Water District
Webpage & Facebook posting – January 2011 UWMP Workshop

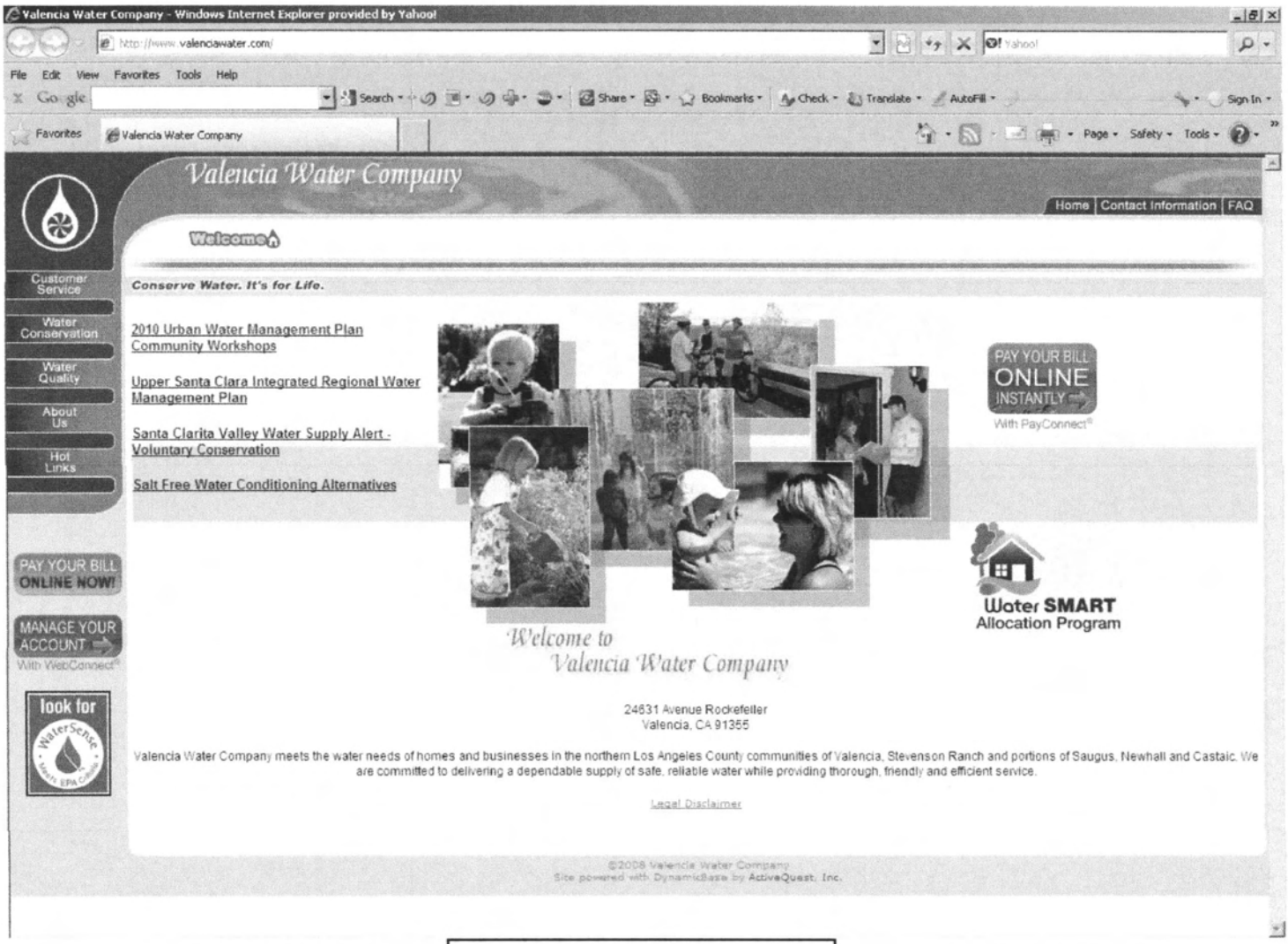
(next)

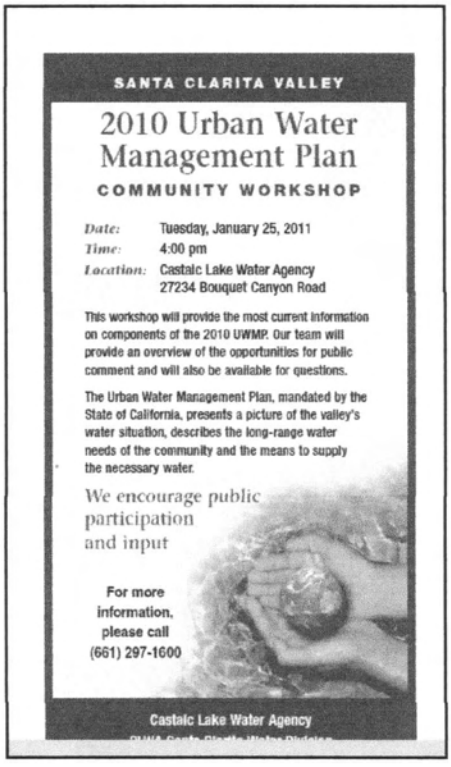
Newhall County Water District
Webpage & Facebook posting – January 2011 UWMP Workshop





Valencia Water Co
Website Posting – January 2011 UWMP Workshop





Santa Clarita Valley Urban Water Management Plan

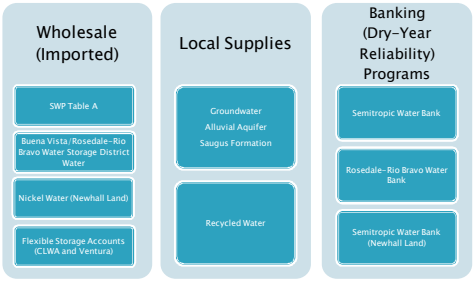
Community Workshop

January 25, 2011
4:00 pm
Castaic Lake Water Agency

Agenda

- Introductions
- Overview of water supplies
- SWP reliability update
- CLWA reliability planning update
- SBX7-7 ("20x2020") calculations and targets
- Overview of water supplies and demands
- Schedule
- Questions and Answers

Santa Clarita Valley Water Supplies



SWP Reliability Update

- DWR finalized the 2009 State Water Project Delivery Reliability Report
- Captures impacts on the SWP from recent regulatory and judicial decisions related to endangered species in the Delta
  - Average year long-term SWP deliveries = 60%
  - Single-dry year deliveries = 7%
  - Multiple-dry year deliveries = 34-36%

CLWA Reliability Planning Update

- Basis of the Plan:
  - Water Demand Projections by Purveyors
  - 2009 DWR SWP Delivery Reliability Report
  - Updated GW Operating Plan
  - Recycled Water Master Plan (as modified)

Preliminary Results
Water Supply Reliability Plan Update

- At 95% confidence level:
  - 6-year pumpback = no storage needed with current practices
  - 1-year pumpback (most severe drought) = 20,000 AF
- Results consider the following variables:
  - Conservation
  - Levee failure in the Delta

Preliminary Results
Storage and Pumpback Requirements

1. No levee failure and no conservation

Percentile (%)	1-Year Pumpback (AFY)	6-Year Storage (AF)
90	34,000	83,000
95	38,000	100,000
99	51,000	164,000

2. Levee failure and no conservation

Percentile (%)	1-Year Pumpback (AFY)	6-Year Storage (AF)
90	60,000	136,000
95	61,000	153,000
99	62,000	219,000

Preliminary Results
Storage and Pumpback Requirements

3. Conservation and no levee failure

Percentile (%)	1-Year Pumpback (AFY)	6-Year Storage (AF)
90	9,000	0
95	13,000	0
100	24,000	17,000

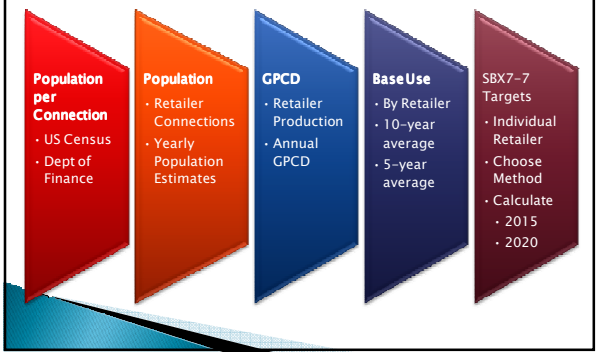
4. Conservation and levee failure

Percentile (%)	1-Year Pumpback (AFY)	6-Year Storage (AF)
90	20,000	0
95	20,000	0
100	21,000	28,000

Update on SBX7-7 ("20% x 2020") Calculations and Targets

- 20% demand reduction statewide by 2020
- Sets mandatory demand reduction goal for each retail water supplier
- Reporting starts with 2010 UWMPs
  - Base gross water use in gallons per capita per day (GPCD): must be calculated using one of three methodologies
  - Target reduction from base by 2020: must be calculated using one of four methodologies
  - Supplier must hold public hearing to explain how targets will be met (can be held as part of UWMP hearing)

Process for Determining SBx7-7 Base Use and GPCD Reduction Targets



GPCD Target Demand Reduction Options

1. 20% reduction from base (i.e., 80% of average gross water use in gpcd)
2. Combination of state standards:
   - 55 gpcd indoor residential + landscape use at 70% ETo + 10% reduction in commercial/industrial/institutional use
   - *Requires specific data not available in SCV*
3. DWR 20x2020 hydrologic region target (South Coast region = 149 gpcd)
4. *Option to be developed by October 2010: not completed by DWR and Urban Stakeholder Committee*

Updated (January 2011) GPCD Target Demand Reduction Calculations

Agency	Base Daily Per Capita Water Use (GPCD)	Compliance Year	Selected Urban Water Use Target Method Method 1 – 80% of Base Daily Per Capita Water Use
VWC	278	2015	250
		2020	222
NWCD	244	2015	219
		2020	195
SCWD	235	2015	211
		2020	188

Santa Clarita Valley Existing Water Supplies– Avg / Normal Year (acre-feet)

EXISTING SUPPLIES	2015	2020	2030	2040	2050
Groundwater (Basin Yield)	*51,100*	*51,100*	*51,100*	*51,100*	*51,100*
Alluvial Aquifer	38,600	38,600	38,600	38,600	38,600
Saugus Formation	12,500	12,500	12,500	12,500	12,500
Projected Groundwater to Non-Purveyors	*15,400*	*14,400*	*11,000*	*9,000*	*7,500*
Newhall Land and Farming	10,500	9,500	7,500	5,500	4,000
Honor Ranch	3,400	3,400	2,000	2,000	2,000
Other Non-Purveyors	1,500	1,500	1,500	1,500	1,500
Projected Groundwater to Purveyors	**34,600**	**36,600**	**39,600**	**41,600**	**43,600**
Alluvial Aquifer	24,000	25,000	28,000	30,000	32,000
Saugus Formation	10,600	11,600	11,600	11,600	11,600
Projected Groundwater to Purveyors and Non-Purveyors	50,000	51,000	50,600	50,600	51,100
Recycled Water	**1,300**	**1,700**	**1,700**	**1,700**	**1,700**
Imported Water	**69,727**	**69,727**	**69,727**	**69,727**	**69,727**
SWP Table A Supply	57,120	57,120	57,120	57,120	57,120
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000
Nickel Water – Newhall Land	1,607	1,607	1,607	1,607	1,607
Total Supplies Available to Purveyors	**105,627**	**108,027**	**111,027**	**113,027**	**115,027**

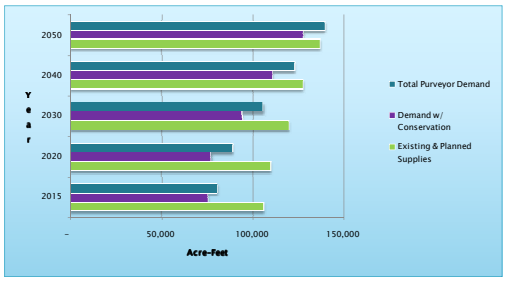
Santa Clarita Valley Existing and Planned Water Supplies Avg / Normal Year (acre-feet)

PLANNED SUPPLIES	2015	2020	2030	2040	2050
Recycled Water	***0***	***1,350***	***7,900***	***13,900***	***21,100***
Recycled Water to Non-Purveyor (Honor Ranch)	0	0	1,500	1,500	1,500
Recycled Water to Purveyors	0	1,350	6,400	12,400	19,600
Total Planned Supplies	**0**	**1,350**	**7,900**	**13,900**	**21,100**
Total Supplies Available to Purveyors	**105,627**	**108,027**	**111,027**	**113,027**	**115,027**
Total Existing and Planned Supplies Available to Purveyors	**105,627**	**109,377**	**118,927**	**126,927**	**136,127**

Santa Clarita Valley Projected Water Demands Avg / Normal Year (acre-feet)

SB7x7 DEMAND REDUCTION	2015	2020	2030	2040	2050
Total Purveyor Demand	80,070	88,484	105,312	122,140	138,968
Sum of Purveyor Demand Reductions	6,691	14,937	18,949	21,161	24,274
Reduction from Recycled Water	*1,300*	*3,050*	*9,600*	*15,600*	*22,800*
Reduction from Water Conservation	*5,391*	*11,887*	*11,887*	*11,887*	*11,887*
Total Action to Meet SB7x7	**6,691**	**14,937**	**21,487**	**27,487**	**34,687**
Demand w/ Conservation	**74,679**	**76,597**	**93,425**	**110,253**	**127,081**

Santa Clarita Valley Water Supplies and Demands – Avg / Normal Year



Schedule

- **Public Workshops and Hearings**
  - **Workshops**
    - May 25, 2010
    - July 27, 2010
    - November 9, 2010 (IRWMP Stakeholders)
    - November 16, 2010
    - January 25, 2011
    - March 8, 2011
  - **Hearings**
    - March 23, 2011 (tentative)
    - April 27, 2011 (tentative)
- **Adoption**
  - June 2011 (due to DWR within 30 days after adoption)

Questions and Answers

CASTAIC LAKE WATER AGENCY

NCWD

SCWD

Santa Clarita Valley Urban Water Management Plan
January 25, 2011 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	Stacy Meeler	SMPA	Pres	818 402-5806	Stacy@StacyMeerPA.com
2.	Lauren Everett	KJ	planner	805-913-5706	laureneverett@kennedyjenks.
3.	Ed Colley	CLWA	Director	—	—
4.	Bonnie Deagon	—	—		
5.	Dirk Marks	CLWA	Water Resource Manager		
6.	Rosalind Wayman	SDS			
7.	Jarrod DeGonia	Asm. Smyth	District Director	(661) 286-1565	jarrod.degonia@asm.ca.gov
8.	Jeff Ford	CLWA	WR Planner	(661) 513-1281	jford@clwa.org
9.	DAN MASNADA	CLWA	C.M.	(661) 297 1600	dmasnada@clwa.org
10.	ERNIE VILLEGAS	ASM. GORELL	DIST. DIRECTOR	(805) 230-9167	ernie.villegas@asm.ca.gov
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					

Santa Clarita Valley Urban Water Management Plan
January 25, 2011 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	Mary Lu Cotton ✓	RJ			
2.	Steve Cole ✓	NCWD	G.M.		SCOLE@NCWD.ORG
3.	CHARLES GILL ✓	IPSG		6612949355	CGILL@IPSGINC.COM
4.	Keith Abercrombie ✓	VWC	GM		
5.	Cathy Hollomon ✓	SCWA	Assoc WR Planner	626-259-2737	chollomon@scwater.org
6.	Sandy Sandy	BIA	G.A.D.	310-995-4456	ssandy@biala.org
7.					
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March 2011 UWMP Workshop
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

February 17, 2011

«AddressBlock» ***(see attached mailing list)***

Subject: March 2011 Urban Water Management Plan Workshop

«GreetingLine»

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, are currently preparing the 2010 Urban Water Management Plan (UWMP).

In an effort to ensure all interested parties are fully informed and involved in this process, the water agencies have scheduled their final community workshop on March 8, 2011 and welcome your participation. This workshop will provide the most current information on components of the UWMP.

Date:	Tuesday, March 8, 2011
Time:	4:00 pm
Location:	Castaic Lake Water Agency 27234 Bouquet Canyon Road

The Urban Water Management Plan presents a picture of the valley's future water situation, describes the long-range water needs of the community and the means to supply the necessary water.

I encourage your participation and look forward to seeing you then. If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Government Affairs, Public Relations & Communication
P.O. Box 55745, Valencia, CA 91385 [818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

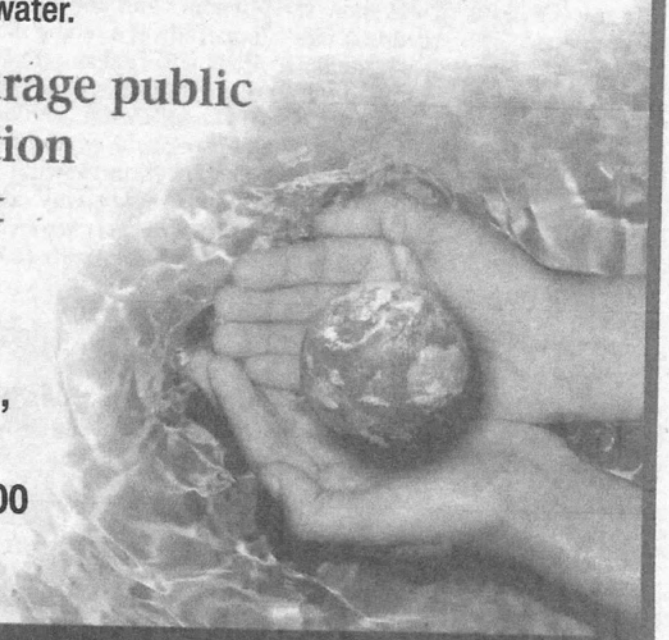
The Signal 3/1/11

Date: Tuesday, March 8, 2011
Time: 4:00 pm
Location: Castaic Lake Water Agency
27234 Bouquet Canyon Road

This workshop will provide the most current information on components of the 2010 UWMP. Our team will provide an overview of the opportunities for public comment and will also be available for questions.

The Urban Water Management Plan, mandated by the State of California, presents a picture of the valley's water situation, describes the long-range water needs of the community and the means to supply the necessary water.

We encourage public participation and input



For more information, please call (661) 297-1600

Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

The Signal
3-6-11

Date: Tuesday, March 8, 2011
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Location: Castaic Lake Water Agency
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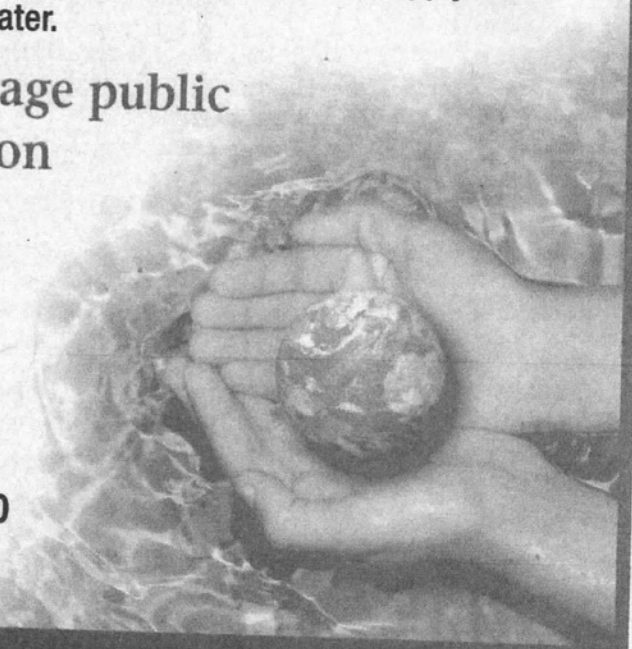

For more information, please call (661) 297-1600

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CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

Castaic Lake Water Agency
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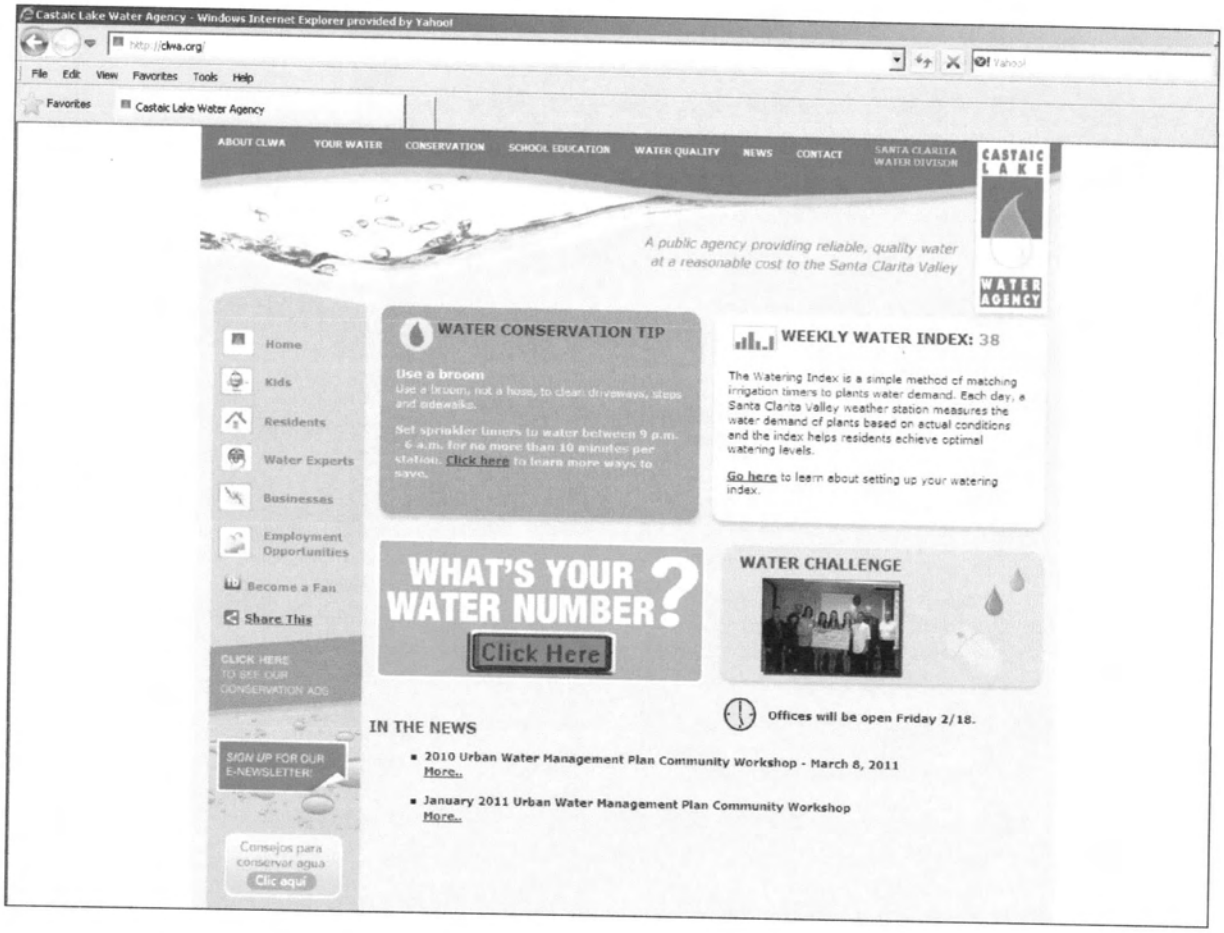

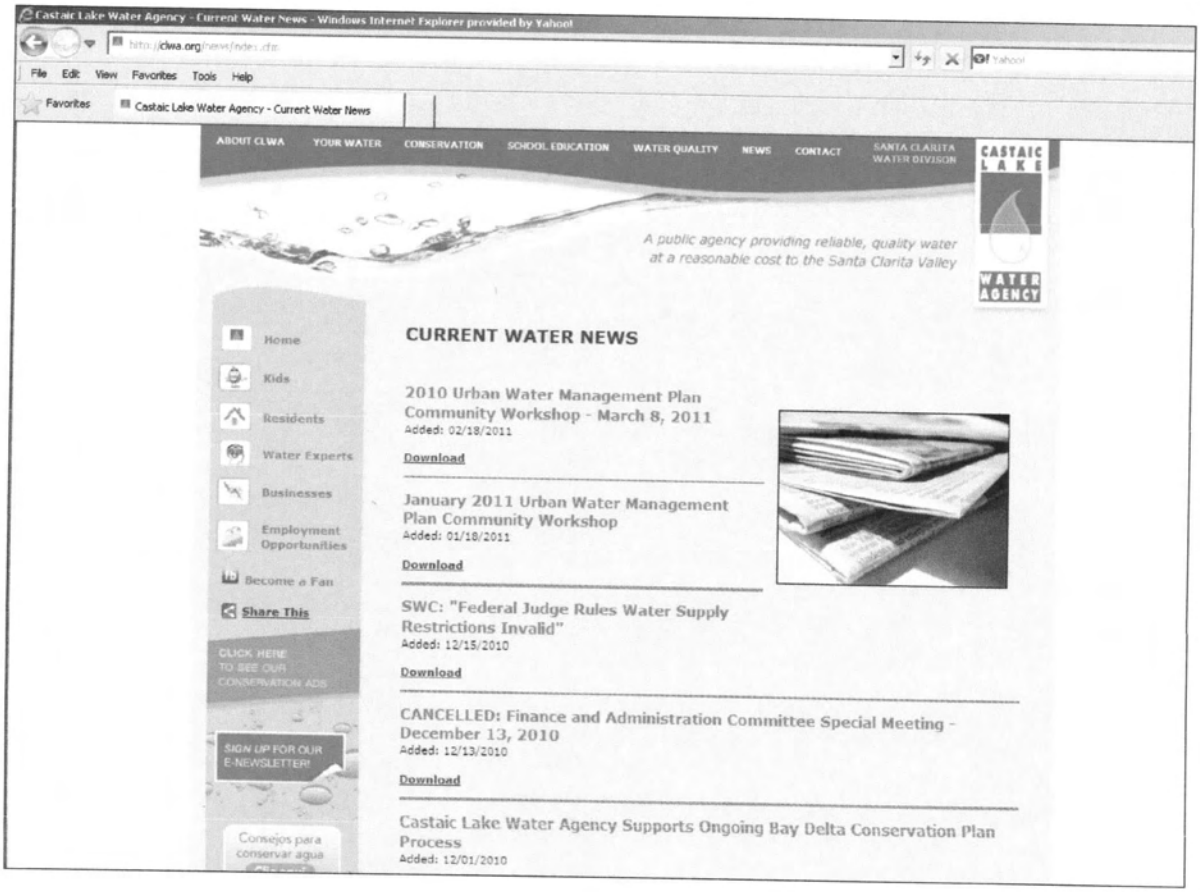

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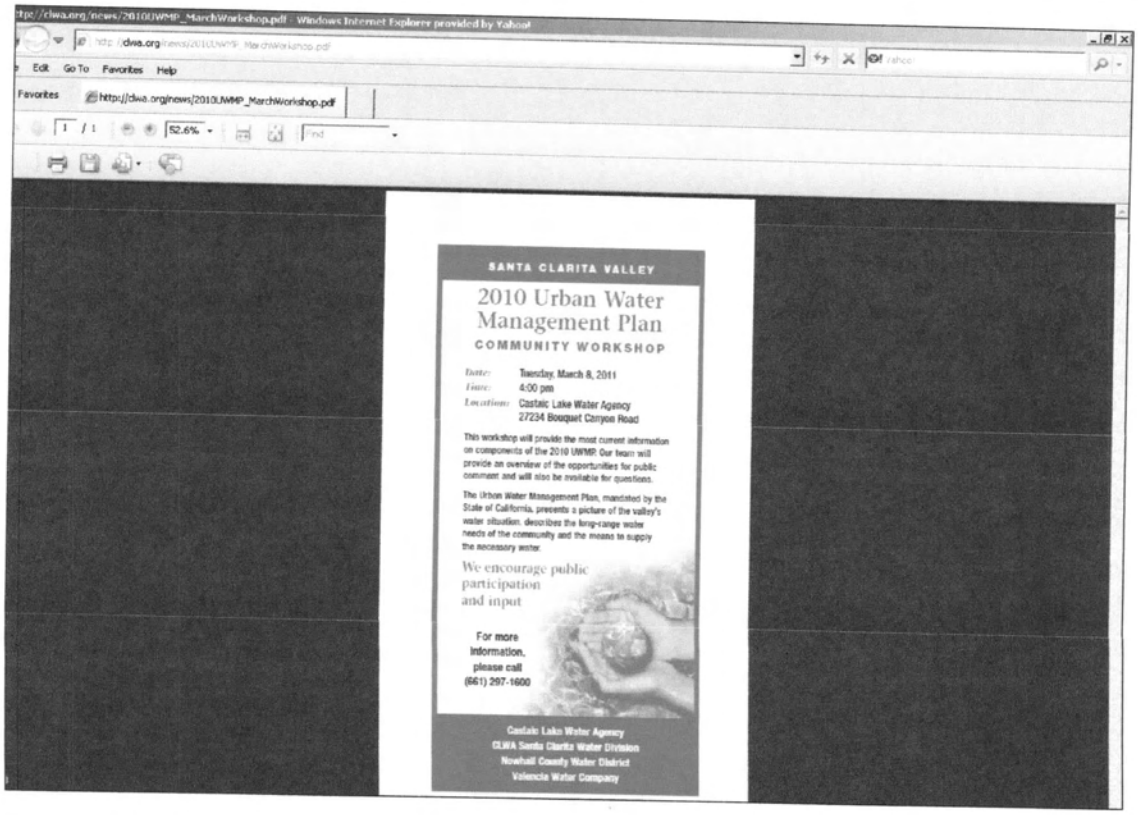

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Valencia Water Company's Tiered Rate System, Revenue Request Approved by CPUC

2010 Urban Water Management Plan - March Community Workshop

Upper Santa Clara Integrated Regional Water Management Plan

Salt Free Water Conditioning Alternatives

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24631 Avenue Rockefeller
Valencia, CA 91355

Valencia Water Company meets the water needs of homes and businesses in the northern Los Angeles County communities of Valencia, Stevenson Ranch and portions of Saugus, Newhall and Castaic. We are committed to delivering a dependable supply of safe, reliable water while providing thorough, friendly and efficient service.

Legal Disclaimer

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SANTA CLARITA VALLEY

2010 Urban Water Management Plan

COMMUNITY WORKSHOP

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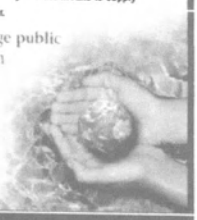

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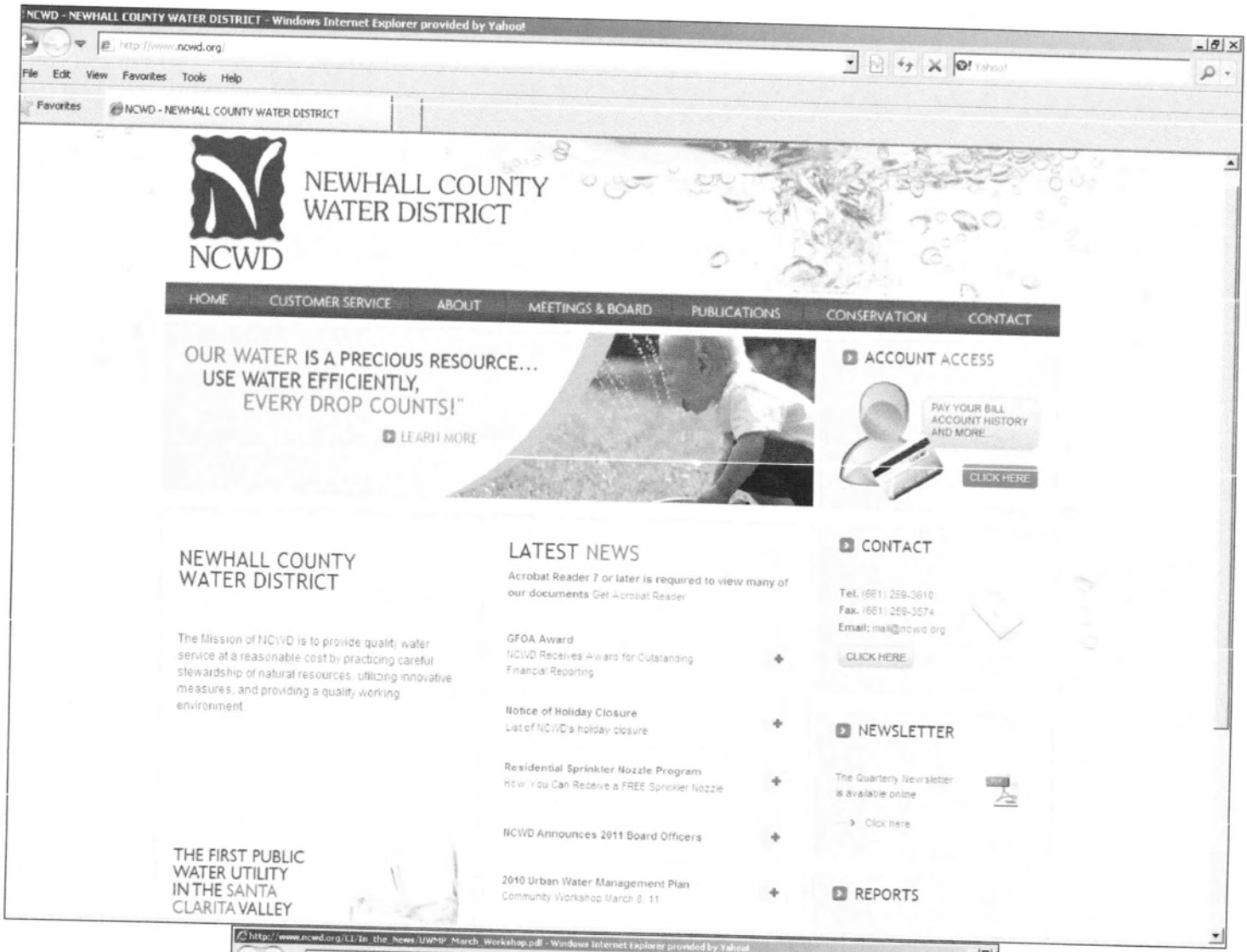
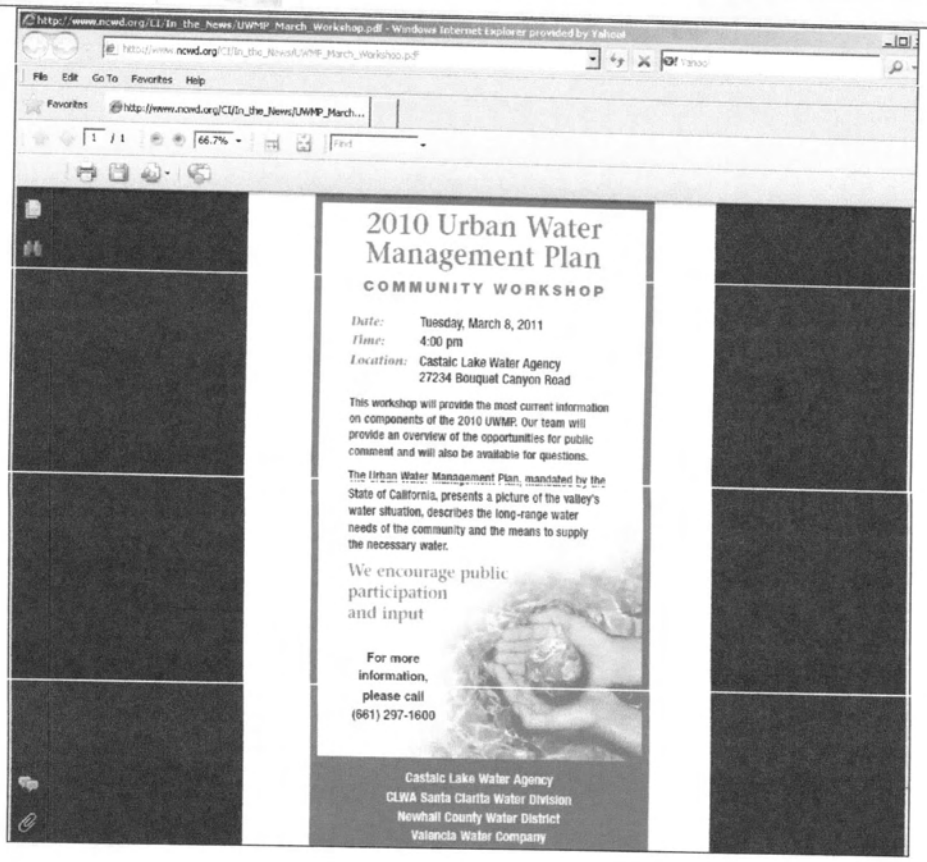
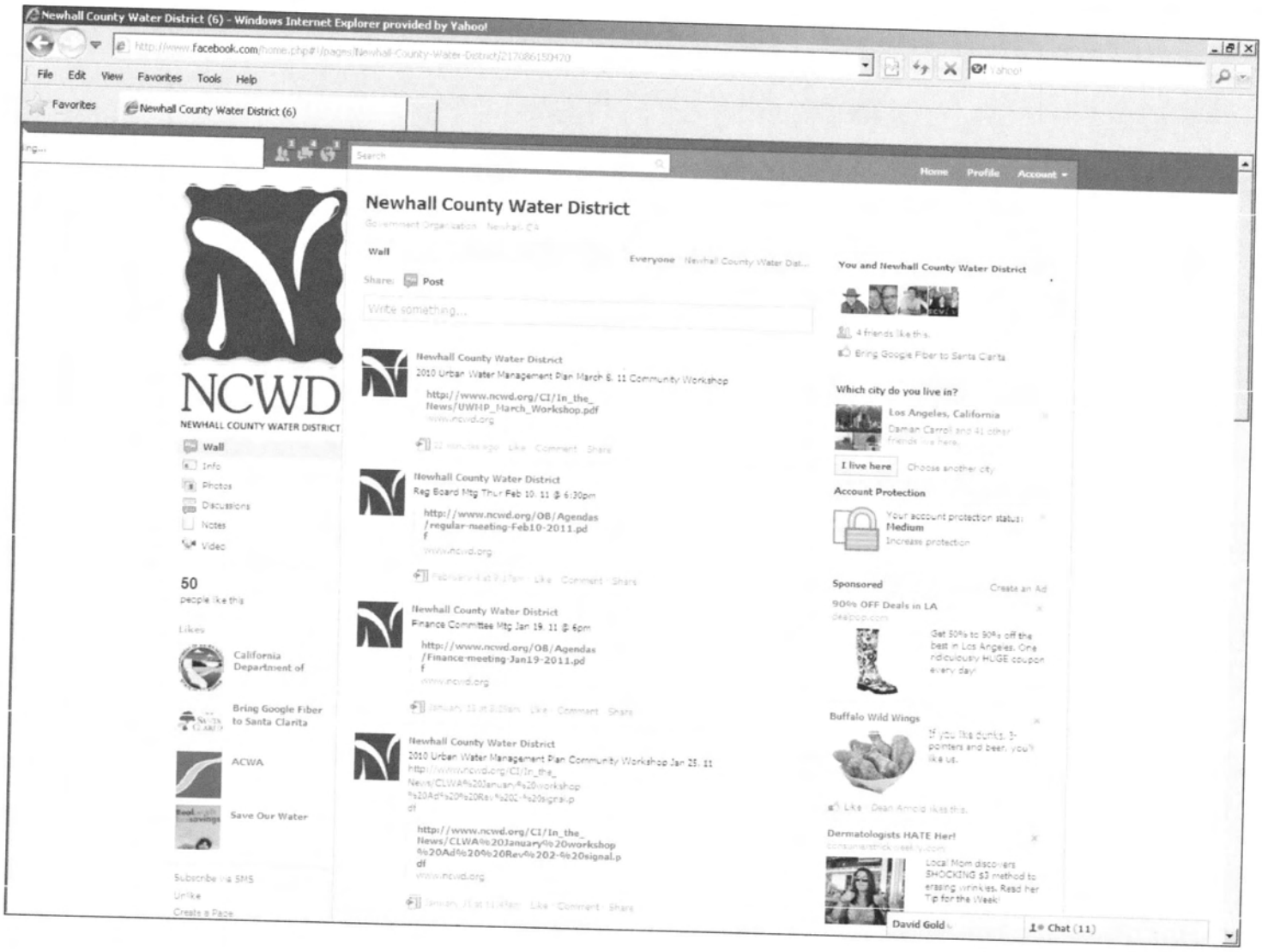
Castaic Lake Water Agency
CLWA Santa Clarita Water Division
Newhall County Water District
Valencia Water Company

Newhall County Water District
Webpage & Facebook posting – March 2011 UWMP Workshop



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Increase protection
Sponsored
Create an Ad
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Get 50% to 90% off the best in Los Angeles. One ridiculously HUGE coupon every day!
Buffalo Wild Wings
If you like dunks, 3-pointers and beer, you'll like us.
Like · Dean Arnold likes this.
Dermatologists HATE Her!
Local Mom discovers SHOCKING $3 method to erasing wrinkles. Read her Tip for the Week!
David Gold
Chat (11)

Santa Clarita Valley Urban Water Management Plan

Community Workshop

March 8, 2011
4:00 pm
Castaic Lake Water Agency

1

Agenda

- Introductions
- Review of Past Workshops
- UWMP Overview
- Water Supply and Demands
- Public Hearing Process and Schedule
- Questions and Answers

2

Past Workshops

- **May 2010**
- UWMP purposed and process – What, Who, Why and When
- Existing and new requirements of UWMPs

- **July 2010**
- SBX7-7 Requirements
- Recycled Water
- Groundwater Supplies
- State Water Project Reliability

- **November 2010** (with the IRWMP Stakeholders)
- UWMP purposed and process – What, Who, Why and When
- Required under SBX7-7
- Importance of UWMP to IRWMP process and vice versa

3

Past Workshops

- **November 2010**
- GPCD population assumptions and calculations
- SBX7-7
- Targets by retailer

- **January 2011**
- Overview of water supplies
- SWP reliability update
- CLWA reliability planning update
- SBX7-7 ("20x2020") calculations and targets
- Overview of water supplies and demand

4

UWMP Act Overview

- The Basics
  - UWMP Act applies to all CA water suppliers with 3,000 or more service connections or selling at least 3,000 AFY (retail or wholesale)
  - Main focus: to identify gaps between supply and demand through time (20-year analysis required)
  - Must describe how demand will be met through time, in all hydrologic year types (normal, multiple dry years, single dry year)
  - If there will be shortages, describe how they will be addressed

5

UWMP Act Overview

- The Basics (cont'd.)
  - Requires detailed description of all supply sources (surface, recycled, groundwater)
  - Water quality problems that may impact supply
  - Demand Management Measures (water conservation programs)
  - Water shortage contingency planning
  - Must update every five years, in years ending in 5 and 0 (such as 2010)

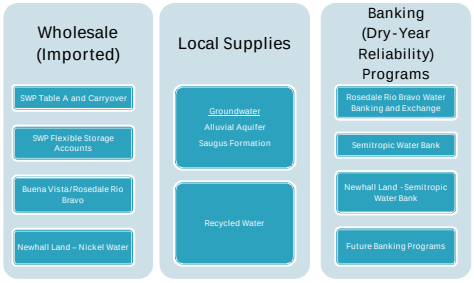
6

UWMP Act Overview

- DWR reviews UWMPs for "completeness"
  - If data not evident or items not in compliance, DWR will find UWMP "incomplete"
  - DWR will send letter to water supplier requesting additional data to bring UWMP up to code
  - May impact supplier's ability to obtain grant/loan funding
  - May impact supplier's ability to provide SB 610 Water Supply Assessments and SB 221 Water Supply Verifications

7

Santa Clarita Valley Water Supplies



8

Water Supplies and Demand

Normal/Single Dry/Multiple Dry Years

- Existing Supplies
- Planned Supplies
- Demands with and without Conservation
- Demands and Supply Comparison

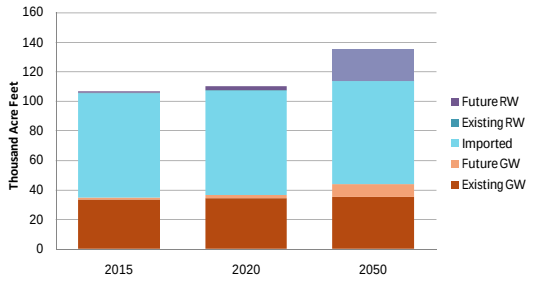
9

Normal Year – Regional Summary

Regional Summary	Supply (AF) 2015	2020	2050
Existing Groundwater			
Alluvial Aquifer	24,385	24,000	25,000
Saugus Formation	6,725	10,225	10,225
Recycled Water	325	325	325
Imported Water			
State Water Project Table A and Carryover	58,300	57,900	57,400
Flexible Storage Accounts	-	-	-
Buena Vista-Rosedale	11,000	11,000	11,000
Nickel Water - Newhall Land	1,607	1,607	1,607
Banking Programs			
Rosedale Rio-Bravo	-	-	-
Semitropic Water Storage District	-	-	-
Semitropic - Newhall Land and Farming	-	-	-
Total Existing Supplies	**102,342**	**105,057**	**105,557**
Planned Supplies			
Future Groundwater			
Alluvial Aquifer	-	1,000	7,000
Saugus Formation	-	1,375	1,375
Recycled Water	-	2,725	20,975
Future Banking Programs	-	-	-
Total Planned Supplies	**-**	**5,100**	**29,350**
Total Existing and Planned Supplies	**102,342**	**110,157**	**134,907**
Demand without Conservation	**80,070**	**88,484**	**138,968**
Conservation Requirements			
Conservation Objective	6,691	14,937	24,274
Reduction from Recycled Water	1,300	3,050	21,300
Net Anticipated Water Conservation	5,391	11,887	12,403
Demand w/ Conservation	**74,679**	**76,597**	**126,565**

10

Normal Year Supplies



11

Normal Year – Existing Water Supplies

Water Supply Sources	Supply (AF) 2015	2020	2050
Existing Groundwater			
Alluvial Aquifer			
LACWD 36	-	-	-
NCWD	1,825	1,825	1,825
SCWD	10,500	10,500	11,500
VWC	11,675	11,675	11,675
Saugus Formation			
LACWD 36			
NCWD	3,525	3,525	3,525
SCWD	2,850	3,350	3,350
VWC	2,850	3,350	3,350
Recycled Water			
LACWD 36	-	-	-
NCWD	-	-	-
SCWD	-	-	-
VWC	325	325	325
Imported Water			
SWP Table A and Carryover			
LACWD 36	1,656	1,943	3,269
NCWD	8,084	8,918	11,469
SCWD	23,918	24,263	25,787
VWC	24,442	22,776	16,875
SWP Flexible Storage Accounts			
Buena Vista-Rosedale			
LACWD 36	325	375	650
NCWD	1,600	1,750	2,250
SCWD	4,675	4,775	5,050
VWC	4,400	4,100	3,050
Nickel Water - Newhall Land			
VWC	1,607	1,607	1,607
Totals Existing Supplies			
LACWD 36	**1,981**	**2,318**	**3,919**
NCWD	**15,034**	**16,018**	**19,069**
SCWD	**41,943**	**42,888**	**45,687**
VWC	**45,299**	**43,833**	**36,882**

12

Normal Year – Planned Water Supplies

Planned Supplies	Supplies (AF) 2015	2020	2050
Future Groundwater			
Alluvial Aquifer			
LACWD 36	-	-	-
NCWD	-	-	-
SCWD	-		
VWC	-	1,000	7,000
Saugus Formation			
LACWD 36	500	500	500
NCWD	875	875	875
SCWD	-	-	-
VWC	-	-	-
Recycled Water			
LACWD 36	-	50	50
NCWD	200	500	3,275
SCWD	100	500	5,775
VWC*	**675**	**1,675**	**11,875**
Future Banking Programs	-	-	-
Total Planned Supplies			
LACWD 36	**500**	**550**	**550**
NCWD	**1,075**	**1,375**	**4,150**
SCWD*	**100**	**500**	**5,775**
VWC	**675**	**2,675**	**18,875**
Total Existing and Planned Supplies			
LACWD 36	2,481	2,868	4,469
NCWD	16,109	17,393	23,219
SCWD	42,043	43,388	51,462
VWC	45,974	46,508	55,757

*** This information was inadvertently omitted from the presentation and handout materials provided at the March 8, 2011 workshop. The corrected versions have been uploaded to the Agency website.**

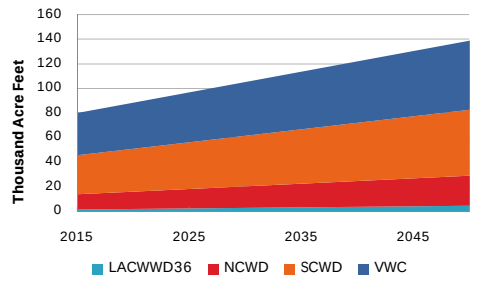
13

Normal Year – Demands with and Without Conservation

	Supplies/Demands (AF) 2015	2020	2050
LACWD 36			
Demand	1,759	2,189	4,768
Anticipated Conservation Objective	176	438	954
Reduction from Recycled Water	-	50	50
Net Anticipated Water Conservation	176	388	904
Demand w/ Conservation	1,583	1,801	3,864
Existing and Planned Supplies	2,481	2,868	4,469
SBX7-7 Compliance Calculations			
NCWD			
Demand	12,571	14,246	24,300
20x2020 Reduction	949	2,152	3,670
Reduction from Recycled Water	*200*	*500*	*3,275*
Reduction from Water Conservation	*749*	*1,652*	*1,652*
Demand w/ Conservation	11,821	12,595	22,648
Existing and Planned Supplies	16,109	17,393	23,219
SCWD			
Demand	31,633	34,814	53,900
20x2020 Reduction	2,453	5,400	8,361
Reduction from Recycled Water	*100*	*500*	*5,775*
Reduction from Water Conservation	*2,353*	*4,900*	*4,900*
Demand w/ Conservation	29,280	29,914	49,000
Existing and Planned Supplies	42,043	43,388	51,462
VWC			
Demand	34,107	37,235	56,000
20x2020 Reduction	3,112	6,948	11,289
Reduction from Recycled Water	*1,000*	*2,000*	*12,200*
Reduction from Water Conservation	*2,112*	*4,948*	*4,948*
Demand w/ Conservation	31,995	32,287	51,052
Existing and Planned Supplies	45,974	46,508	55,757

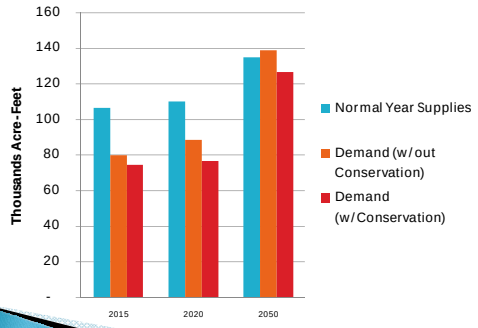
14

Normal Year Purveyor Demands



15

Normal Year – Regional Summary
Existing and Projected Supplies and Demands



16

Single Dry Year
Water Supply and Demand

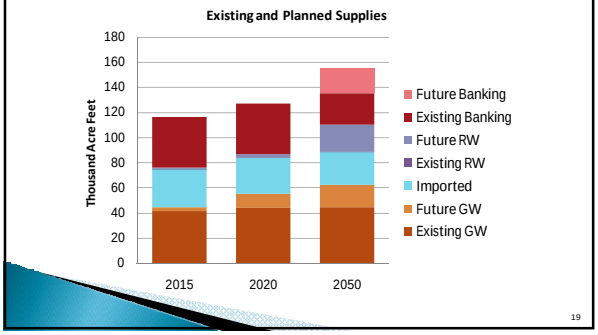
17

Single Dry Year
Existing and Planned Supplies and Demands

Water Supply Sources	Supplies (AF) 2015	2020	2050
Existing Supplies			
Existing Groundwater			
Alluvial Aquifer	20,300	20,250	20,650
Saugus Formation	21,225	24,175	24,150
Recycled Water	325	325	325
Imported Water			
SWP Table A and Carryover	11,900	11,000	9,100
SWP Flexible Storage Accounts	6,060	4,680	4,680
Buena Vista-Rosedale	11,000	11,000	11,000
Nickel Water - Newhall Land	1,607	1,607	1,607
Banking Programs			
Rosedale Rio-Bravo	20,000	20,000	20,000
Semitropic Water Bank	15,000	15,000	
Semitropic - NLF	4,950	4,950	4,950
Total Existing Supplies	**112,367**	**112,987**	**96,462**
Planned Supplies			
Future Groundwater			
Alluvial Aquifer	200	1,250	7,750
Saugus Formation	2,875	9,925	9,950
Recycled Water	975	2,725	20,975
Banking Programs			20,000
Total Planned Supplies	**4,050**	**13,900**	**58,675**
Total Existing and Planned Supplies	**116,417**	**126,887**	**155,137**
Demand w/o Conservation	**88,077**	**97,332**	**152,865**
Conservation Requirement			
Conservation Objective	6,681	14,937	24,274
Reduction from Recycled Water	1,300	3,050	21,300
Net Anticipated Conservation	5,381	11,887	12,401
Demand w/ Conservation	**82,696**	**85,445**	**140,462**

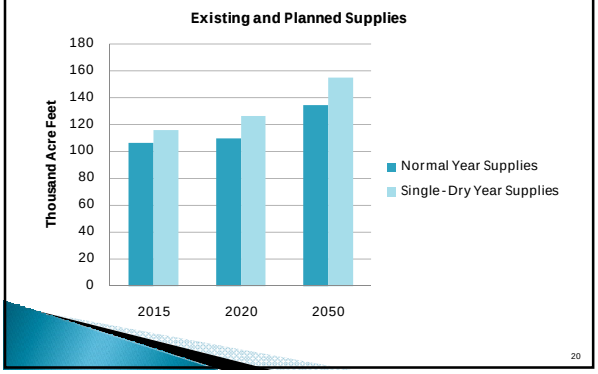
18

Single Dry Year



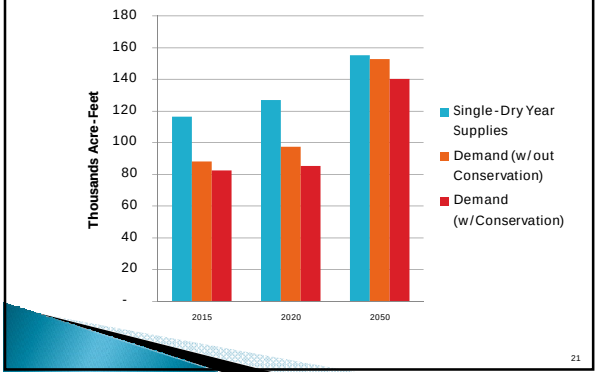
19

Normal vs. Single Dry Year



20

Single-Dry Year
Existing and Planned Supplies and Demands



21

Multiple Dry Year Water Supply and Demand

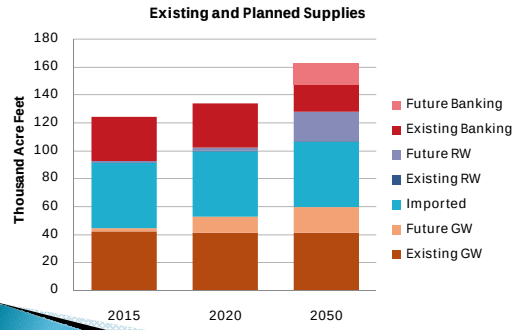
22

Multiple Dry Year Existing and Planned Supplies and Demands

Water Supply Sources	Supplies (AF)		
	2015	2020	2050
Existing Supplies			
Existing Groundwater			
Alluvial Aquifer	20,425	20,425	21,325
Saugus Formation	22,075	21,325	20,575
Recycled Water	325	325	325
Imported Water			
SWP Table A and Carryover	32,900	32,900	33,000
Flexible Storage Accounts	1,510	1,170	1,170
Buena Vista-Rosedale	11,000	11,000	11,000
Nickel Water - Newhall Land	1,607	1,607	1,607
Banking Programs			
Rosedale Rio-Bravo	15,000	15,000	15,000
Semitropic Water Bank	11,500	11,500	-
Semitropic – NLF	4,950	4,950	4,950
Total Existing Supplies	121,292	120,202	108,952
Planned Supplies			
Future Groundwater			
Alluvial Aquifer	-	1,000	7,000
Saugus Formation	2,250	10,325	11,075
Recycled Water	975	2,725	20,975
Banking Programs	-	-	15,000
Total Planned Supplies	**3,225**	**14,050**	**54,050**
Total Existing and Planned Supplies	**124,517**	**134,252**	**163,002**
Demand w/o Conservation	**88,068**	**97,325**	**152,865**
Conservation Requirement			
Conservation Objective	6,691	14,937	24,274
Reduction from Recycled Water	1,300	3,050	21,300
Net Anticipated Conservation	5,391	11,887	12,403
Demand w/ Conservation	**82,678**	**85,438**	**140,462**

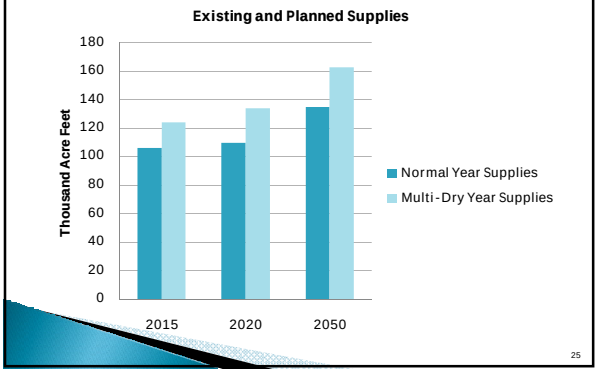
23

Multiple Dry Year Supplies



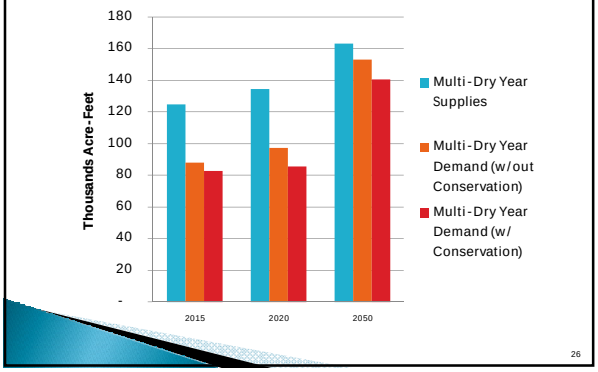
24

Normal Year vs. Multiple Dry Year



25

Multiple Dry Year
Existing and Planned Supplies and Demands



26

Public Hearings

- **Hearings (CLWA and NCWD)**
  - March 23, 2011, 6:15 pm at CLWA
  - May 4, 2011, 6:15 pm at CLWA
- **Adoption**
  - May or June 2011 (due to DWR within 30 days after adoption)

27

Questions and Answers

28

Santa Clarita Valley Urban Water Management Plan
March 8, 2011 - Community Workshop Sign In Sheet

PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1. ALBERT PETERSON	CITY OF GLENDALE WATER	APPRENTICE	818/548-2011	N/A
2. GRAVES, E	CC	OBSERVE	661.406.3219	—
3. Keith Abercrombie	VWC			
4. Jackie Bick	Sen Sharon Runner			
5. Jessica Bunker	WWD No. 36	ASSOCIATE CIVIL ENG.	626-300-3315	jbunker@lodpw.org
6. Jeff Ford	CLWA	Water Res Planner	(661) 297-1600	jford@clwa.org
7. Rosie Talamants				
8. Chris Brightwell	BWP	Apprentice	(818) 621-5726	
9. JAMES ROWLAND	" "	" "	(818) 926-0978	
10. KC VALVO	" "	" "	" "	
11. MIKE WILDERMUTH	" "	" "	" "	
12. ROBERT MUIZENGA	" "	WATER METER MECHANIC	818 238 3500	
13. Sean Allen	" "	Apprentice	818 618 0331	
14.				
15.				
16. Cam Notelyeeryer (Sptwritein)				
17. Lynn Plambeck				
18.				

Santa Clarita Valley Urban Water Management Plan
March 8, 2011 - Community Workshop Sign In Sheet

	PRINT NAME	ORGANIZATION	TITLE	PHONE	EMAIL
1.	MARK YOCHUM	MA YOCHUM	PRES	661 252 4806	MYOCHUM@SOCAL.RR.COM
2.	Tom Reynolds	NA	NA	661 257 4374	—
3.	Lauren Everett	KJ		805 973 6705	
4.	Charles Romero	GWP	Water System Mechanic	818-548-2011	cromero.ci.glendale.ca.gov
5.	JON WALLACE	COC	STUDENT	(661) 313-8095	JCWALLACE@yahoo.com
6.	Francisco Guerrero	LACSD	Engineer	562 908 4288 x2732	FGuerrero@lacsd.org
7.	Sharan Sorensen	City of S.C.	Sr. Planner	(661) 255-4330	SSorensen@santaclarita.com
8.	Casey Bingham	City of SC	Analyst	661-255-4902	cbingham@santa-clarita.com
9.	Mic Guerrero	CoC	Student	661 210 5717	
10.	Kimberly Clayton	COC	NA	661 713-2312	shychic_@yahoo.com
11.	STEVE MCLEAN	COC	—	661-312-5463	MCLEAN.STEPHEN@CH.RR.COM
12.	Stephanie Anagnoson	CLWA		6615131231	
13.	Cathy Hollcomon	SCWA	Assoc WR Planner	661-259-2737	chollcomon@scwater.org
14.	MIKE REYES	C.O.C	STUDENT	———	
15.	LUIS MARGHERITIS	COC	ELECT./ELECTRO	661 510 4448	LMARGHERITIS@CLWA.ORG
16.	Greg Millen	VWC	VP Admin	661 295-6517	
17.	Derrick Jacobson	COC	N/A	(661) 310-6145	drock18@ymail.com
18.	Tristan Moreno	N/A	N/A	↓	↓

Email notification of revised March workshop powerpoint
Sent to all on master list

Stacy Miller

To: Stacy Miller
Cc: Stacy Miller
Subject: FW: Urban Water Management Plan (UWMP)

Dear March 8th Urban Water Management Plan (UWMP) community workshop attendee:

Below, please find a link to an updated version of the PowerPoint presentation from the March 8, 2011 UWMP Community Workshop. Please note that there was a small amount of information on the "Normal Year - Planned Water Supply" slide that was inadvertently omitted from the presentation and handout materials.

We appreciate your attendance, participation and feedback in this important process. Should you have any questions, please feel free to contact us.

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

- Link to March 8, 2011 UWMP Community Workshop Presentation - http://www.clwa.org/about/pdfs/March%202011%20UWMP%20Workshop%20draft%203811.pdf

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

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First Public Hearing
March 23, 2011
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

March 3, 2011

Mike Murphy
Intergovernmental Relations Officer
City of Santa Clarita
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Murphy:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

CLWA is providing you with this notice on its behalf, as well as on behalf of SCWD, LA-36, NCWD and VWC, pursuant to Water Code, section 10621, subdivision (b) of the Act, which requires an urban water supplier to notify any city or county within which it provides water that it is reviewing its plan and considering changes to the plan. Additionally, when a draft UWMP is available for public review, a copy will be sent to you.

While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings are scheduled. Additional hearings may be scheduled if needed.

The first public hearing will be held at 6:15 p.m., on Wednesday, March 23, 2011. The second public hearing will held at 6:15 p.m., on Wednesday, May 4, 2011. Both public hearings will take place at the CLWA Boardroom, located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

If you have any questions please contact me at (661) 297-1600.

Sincerely,

Dirk Marks
Water Resources Manager

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McCORMICK, KIDMAN & BEHRENS, LLP

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APRIL JACOBS

March 3, 2011

Jeff W. Hogan, AICP
Interim Planning Manager
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Hogan:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Dirk Marks
Water Resources Manager

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March 3, 2011

Jason Smisko
Senior Planner
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Smisko:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

Dirk Marks
Water Resources Manager

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CASTAIC LAKE WATER AGENCY

March 3, 2011

Chris Stevens, Director
Resource Management Agency
County of Ventura
800 South Victoria Avenue
Ventura, CA 93009-1740

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Stevens:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

Dirk Marks
Water Resources Manager

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March 3, 2011

Richard J. Bruckner, Director
Los Angeles County
Department of Regional Planning
1390 Hall of Records
320 West Temple Street
Los Angeles 90012

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Bruckner:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

Dirk Marks

Dirk Marks
Water Resources Manager

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March 3, 2011

Mark Pestrella
Department of Public Works
Los Angeles County
P.O. Box 1460
Alhambra 91802-1460

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Pestrella:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Dirk Marks
Water Resources Manager

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B. J. ATKINS
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GENERAL MANAGER
DAN MASNADA
GENERAL COUNSEL
McCORMICK, KIDMAN & BEHRENS, LLP
SECRETARY
APRIL JACOBS

March 3, 2011

Jessica Bunker, P.E.
Waterworks Division
P.O. Box 1460
Alhambra, CA 91802-1460

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Bunker:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

CLWA is providing you with this notice on its behalf, as well as on behalf of SCWD, LA-36, NCWD and VWC, pursuant to Water Code, section 10621, subdivision (b) of the Act, which requires an urban water supplier to notify any city or county within which it provides water that it is reviewing its plan and considering changes to the plan. Additionally, when a draft UWMP is available for public review, a copy will be sent to you.

While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings are scheduled. Additional hearings may be scheduled if needed.

The first public hearing will be held at 6:15 p.m., on Wednesday, March 23, 2011. The second public hearing will held at 6:15 p.m., on Wednesday, May 4, 2011. Both public hearings will take place at the CLWA Boardroom, located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

If you have any questions please contact me at (661) 297-1600.

Sincerely,

Dirk Marks
Water Resources Manager

CASTAIC LAKE WATER AGENCY

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March 3, 2011

Rosalind Wayman, Field Deputy
Los Angeles County
Fifth Supervisorial District
23920 Valencia Blvd., Suite 265
Santa Clarita, CA 91355

Subject: Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Waymans:

As you know, Castaic Lake Water Agency (CLWA), CLWA Santa Clarita Water Division (SCWD), Newhall County Water District (NCWD), and Valencia Water Company (VWC) have joined to prepare a regional Urban Water Management Plan (UWMP) for the Santa Clarita Valley, as they did in 2000 and 2005. Los Angeles County Waterworks District No. 36 (LA 36) is participating on an ad hoc basis. Adoption of the 2010 UWMP is required under the Urban Water Management Planning Act (Act) by July 1, 2011.

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Sincerely,

Dirk Marks

Dirk Marks
Water Resources Manager

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THE SIGNAL NEWSPAPER
24000 Creekside Rd
Valencia, Ca 91355

Proof of Publication
(2015.5 C.C.P.)

STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES

I am a citizen of the United States,and a resident of the county aforesaid; I am over the age of eighteen years; and I am not a party to or interestedin the notice published. I am the chief legal advertising clerk of the publisher of the

SIGNAL NEWSPAPER

a newspaper of general circulation, printed and published **Daily** in the city of Santa Clarita County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles State of California, under the date of **March 25, 1988**
Case number **NVC15880**, that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit: 2/25 3/4, 3/11, 3/18

All in the year 20 11

I certify (or declare) under penalty of perjury' that the foregoing is true and correct

Dated at Valencia, California, this 18 day of March, 20 11

Signature

NOTICE OF PUBLIC HEARINGS 2010 URBAN WATER MANAGEMENT PLAN

Castaic Lake Water Agency ("CLWA"), CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have directed the preparation of a joint regional 2010 Urban Water Management Plan ("UWMP") for the Santa Clarita Valley, as encouraged by the Urban Water Management Planning Act ("Act"). Los Angeles County Waterworks District No. 36 is participating in the process on an ad hoc basis. Adoption of the 2010 UWMP is required under the Act by July 1, 2011.

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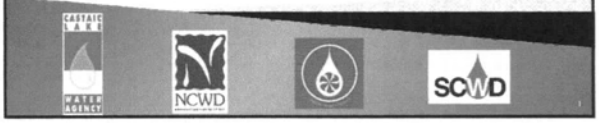
For additional information regarding the public hearings, please contact Dirk Marks, CLWA Water Resources Manager, at (661) 297-1600.

The Signal 2/25, 3/4, 3/11 & 3/18 2011

Paste Clipping of Notice SECURELY In This Space

Santa Clarita Valley Urban Water Management Plan

Community Workshop
March 8, 2011
4:00 pm
Castaic Lake Water Agency



1

Agenda

- Introductions
- Review of Past Workshops
- UWMP Overview
- Water Supply and Demands
- Public Hearing Process and Schedule
- Questions and Answers

2

Past Workshops

- **May 2010**
- UWMP purposed and process - What, Who, Why and When
- Existing and new requirements of UWMPs

- **July 2010**
- SBX7-7 Requirements
- Recycled Water
- Groundwater Supplies
- State Water Project Reliability

- **November 2010** (with the IRWMP Stakeholders)
- UWMP purposed and process - What, Who, Why and When
- Required under SBX7-7
- Importance of UWMP to IRWMP process and vice versa

3

Past Workshops

- **November 2010**
- GPCD population assumptions and calculations
- SBX7-7
- Targets by retailer

- **January 2011**
- Overview of water supplies
- SWP reliability update
- CLWA reliability planning update
- SBX7-7 ("20x2020") calculations and targets
- Overview of water supplies and demand

4

UWMP Act Overview

- **The Basics**
  - UWMP Act applies to all CA water suppliers with 3,000 or more service connections or selling at least 3,000 AFY (retail or wholesale)
  - Main focus: to identify gaps between supply and demand through time (20-year analysis required)
  - Must describe how demand will be met through time, in all hydrologic year types (normal, multiple dry years, single dry year)
  - If there will be shortages, describe how they will be addressed

5

UWMP Act Overview

- **The Basics (cont'd.)**
  - Requires detailed description of all supply sources (surface, recycled, groundwater)
  - Water quality problems that may impact supply
  - Demand Management Measures (water conservation programs)
  - Water shortage contingency planning
  - Must update every five years, in years ending in 5 and 0 (such as 2010)

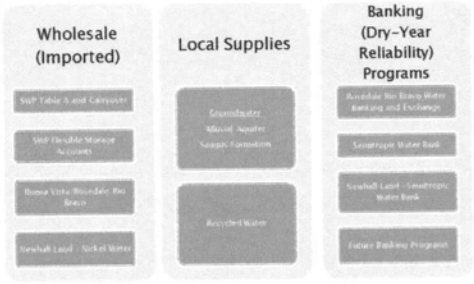
6

UWMP Act Overview

- DWR reviews UWMPs for "completeness"
  - If data not evident or items not in compliance, DWR will find UWMP "incomplete"
  - DWR will send letter to water supplier requesting additional data to bring UWMP up to code
  - May impact supplier's ability to obtain grant/loan funding
  - May impact supplier's ability to provide SB 610 Water Supply Assessments and SB 221 Water Supply Verifications

7

Santa Clarita Valley Water Supplies



8

Water Supplies and Demand

Normal/Single Dry/Multiple Dry Years

- Existing Supplies
- Planned Supplies
- Demands with and without Conservation
- Demands and Supply Comparison

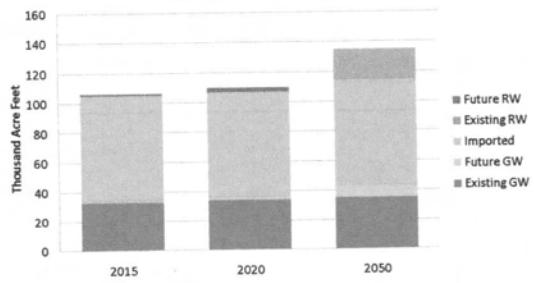
9

Normal Year – Regional Summary

Regional Summary	Supply (AF) 2015	2020	2050
Existing Groundwater			
Alluvial Aquifer	24,366	24,000	35,000
Saugus Formation	8,725	18,225	10,725
Recycled Water	325	325	325
Imported Water			
State Water Project Table A and Carryover	58,300	57,900	57,400
Flexible Storage Accounts	-	-	-
Buena Vista-Rosedale	11,000	11,000	11,000
Nickel Water - Newhall Land	1,807	1,807	1,807
Banking Programs			
Rosedale Rio-Bravo	-	-	-
Semitropic Water Storage District	-	-	-
Semitropic - Newhall Land and Farming	-	-	-
Total Existing Supplies	**102,342**	**106,057**	**106,557**
Planned Supplies			
Future Groundwater			
Alluvial Aquifer	-	1,900	7,000
Saugus Formation	-	1,375	1,375
Recycled Water	-	2,725	20,975
Future Banking Programs	-	-	-
Total Planned Supplies	**-**	**6,100**	**29,350**
Total Existing and Planned Supplies	**102,342**	**110,157**	**134,907**
Demand without Conservation	**90,070**	**88,484**	**126,966**
Conservation Requirements			
Conservation Objective	6,681	14,937	24,274
Reduction from Recycled Water	1,300	3,050	21,300
Net Anticipated Water Conservation	5,381	11,887	12,403
Demand w/ Conservation	**74,879**	**79,597**	**126,566**

10

Normal Year Supplies



11

Normal Year – Existing Water Supplies

Water Supply Sources	Supply (AF) 2015	2020	2050
Existing Groundwater			
Alluvial Aquifer			
LACWD 36	-	-	-
NCWD	1,805	1,805	1,805
SCWD	10,500	10,500	11,500
VWC	11,875	11,875	11,875
Saugus Formation			
LACWD 36	-	-	-
NCWD	3,525	3,525	3,525
SCWD	2,950	3,350	3,350
VWC	2,850	3,350	3,350
Recycled Water			
LACWD 36	-	-	-
NCWD	-	-	-
SCWD	-	-	-
VWC	325	325	325
Imported Water			
SWP Table A and Carryover			
LACWD 36	1,658	1,843	3,289
NCWD	9,084	9,918	11,469
SCWD	22,918	24,763	25,787
VWC	24,442	22,778	16,875
SWP Flexible Storage Accounts	-	-	-
Buena Vista-Rosedale			
LACWD 36	326	375	850
NCWD	1,600	1,750	2,450
SCWD	4,675	4,775	5,050
VWC	4,400	4,100	3,050
Nickel Water - Newhall Land			
VWC	1,807	1,807	1,807
Totals Existing Supplies			
LACWD 36	**1,981**	**2,218**	**3,918**
NCWD	**15,034**	**16,018**	**19,050**
SCWD	**41,043**	**42,888**	**45,687**
VWC	**45,299**	**43,835**	**36,982**

12

Normal Year – Planned Water Supplies

Planned Supplies	Supplies (AF) 2015	2020	2050
Future Groundwater			
Alluvial Aquifer			
LACWD 36	-	-	-
NCWD	-	-	-
SCWD	-	-	-
VWC	-	1,000	7,000
Saugus Formation			
LACWD 36	500	500	500
NCWD	975	975	975
SCWD	-	-	-
VWC	-	-	-
Recycled Water			
LACWD 36	-	50	50
NCWD	200	500	3,275
SCWD	100	500	5,775
VWC*	675	1,675	11,975
Future Banking Programs	-	-	-
Total Planned Supplies			
LACWD 36	**500**	**550**	**550**
NCWD	**1,075**	**1,375**	**4,150**
SCWD*	100	500	5,775
VWC	**675**	**2,675**	**18,975**
Total Existing and Planned Supplies			
LACWD 36	2,481	2,898	4,489
NCWD	16,109	17,393	23,219
SCWD	42,043	43,388	51,482
VWC	45,974	46,508	55,757

* This information was inadvertently omitted from the presentation and handout materials provided at the March 8, 2011 workshop. The corrected versions have been uploaded to the Agency website.

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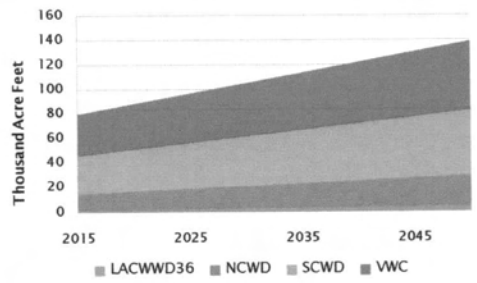
Normal Year – Demands with and Without Conservation

	Supplies/Demands (AF) 2015	2020	2050
LACWD 36			
Demand	1,769	2,189	4,758
Anticipated Conservation Objective	178	438	954
Reduction from Recycled Water		50	50
Net Anticipated Water Conservation	178	388	904
Demand w/ Conservation	1,591	1,801	3,854
Existing and Planned Supplies	2,481	2,898	4,489
SBX7-7 Compliance Calculations			
NCWD			
Demand	12,571	14,246	24,300
20x2020 Reduction	949	2,152	3,870
Reduction from Recycled Water	200	500	3,275
Reduction from Water Conservation	749	1,652	1,652
Demand w/ Conservation	11,871	12,595	22,648
Existing and Planned Supplies	16,109	17,393	23,219
SCWD			
Demand	31,833	34,814	53,900
20x2020 Reduction	2,453	5,400	8,361
Reduction from Recycled Water	100	500	5,775
Reduction from Water Conservation	2,353	4,900	4,900
Demand w/ Conservation	29,380	29,914	49,000
Existing and Planned Supplies	42,043	43,388	51,482
VWC			
Demand	94,107	97,235	68,000
20x2020 Reduction	3,112)	6,948	11,289
Reduction from Recycled Water	1,000	2,000	12,200
Reduction from Water Conservation	2,112	4,948	4,948
Demand w/ Conservation	91,995	92,287	51,052
Existing and Planned Supplies	45,974	46,508	55,757

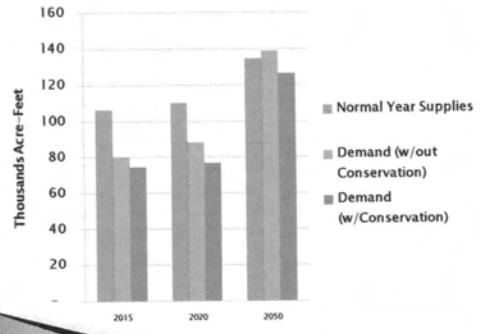
14

Normal Year Purveyor Demands



15

Normal Year – Regional Summary
Existing and Projected Supplies and Demands



16

Single Dry Year
Water Supply and Demand

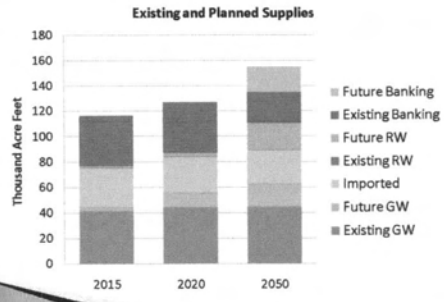
17

Single Dry Year
Existing and Planned Supplies and Demands

Water Supply Sources	Supplies (AF) 2015	2020	2050
Existing Supplies			
Existing Groundwater			
Alluvial Aquifer	20,300	20,250	20,650
Saugus Formation	21,225	24,175	24,150
Recycled Water	325	325	325
Imported Water			
SWP Table A and Carryover	11,900	11,000	9,100
SWP Flexible Storage Accounts	8,000	4,880	4,680
Buena Vista-Rosedale	11,000	11,000	11,000
Nickel Water - Newhall Land	1,803	1,803	1,607
Banking Programs			
Rosedale Rio-Bravo	20,000	20,000	20,000
Semitropic Water Bank	15,000	15,000	
Semitropic - NLF	4,950	4,950	4,950
Total Existing Supplies	**112,367**	**112,987**	**96,462**
Planned Supplies			
Future Groundwater			
Alluvial Aquifer	200	1,250	7,750
Saugus Formation	2,875	9,925	9,850
Recycled Water	975	2,725	20,875
Banking Programs			20,000
Total Planned Supplies	**4,050**	**13,900**	**58,675**
Total Existing and Planned Supplies	**116,417**	**126,887**	**155,137**
Demand w/o Conservation	**88,077**	**97,332**	**152,065**
Conservation Requirement			
Conservation Objective	8,891	14,933	24,274
Reduction from Recycled Water	1,300	3,050	21,300
Net Anticipated Conservation	5,391	11,887	12,403
Demand w/ Conservation	**82,686**	**85,445**	**140,462**

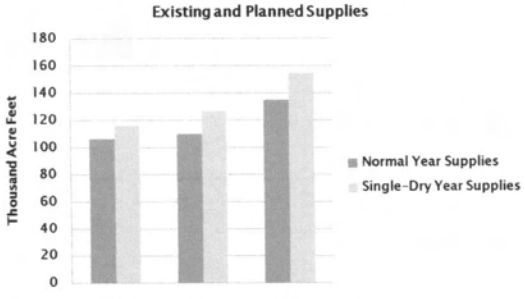
18

Single Dry Year



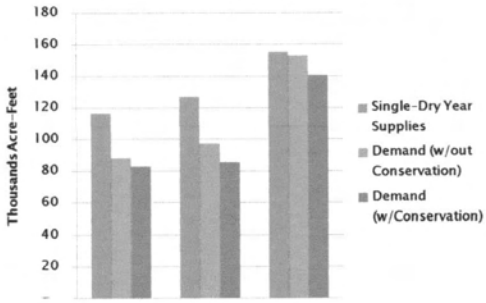
19

Normal vs. Single Dry Year



20

Single-Dry Year
Existing and Planned Supplies and Demands



21

Multiple Dry Year
Water Supply and Demand

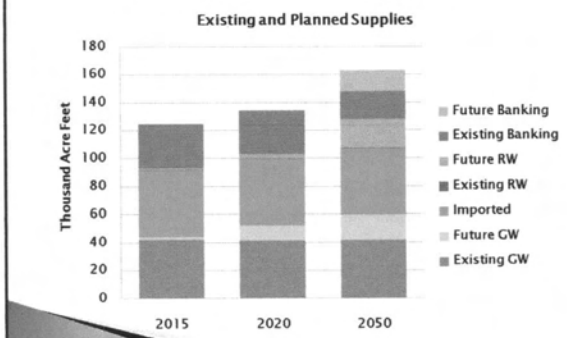
22

Multiple Dry Year
Existing and Planned Supplies and Demands

Water Supply Sources	Supplies (AF) 2015	2020	2050
Existing Supplies			
Existing Groundwater			
Alluvial Aquifer	20,425	20,425	21,325
Saugus Formation	22,075	21,325	20,575
Recycled Water	325	325	325
Imported Water			
SWP Table A and Carryover	32,900	32,900	33,000
Flexible Storage Accounts	1,510	1,170	1,170
Buena Vista-Rosedale	11,000	11,000	11,000
Nickel Water - Newhall Land	1,607	1,607	1,607
Banking Programs			
Rosedale Rio-Bravo	15,000	15,000	15,000
Semitropic Water Bank	11,500	11,500	-
Semitropic - NLF	4,950	4,950	4,950
Total Existing Supplies	121,292	120,202	108,952
Planned Supplies			
Future Groundwater			
Alluvial Aquifer	-	1,200	7,000
Saugus Formation	2,250	10,225	11,075
Recycled Water	975	2,725	20,975
Banking Programs	-	-	15,000
Total Planned Supplies	**3,225**	**14,050**	**54,050**
Total Existing and Planned Supplies	**124,517**	**134,252**	**163,002**
Demand w/o Conservation	**80,000**	**97,328**	**102,666**
Conservation Requirement			
Conservation Objective	6,681	14,937	24,774
Reduction from Recycled Water	1,300	3,060	21,300
Net Anticipated Conservation	5,381	11,877	12,403
Demand w/ Conservation	**82,676**	**85,438**	**140,462**

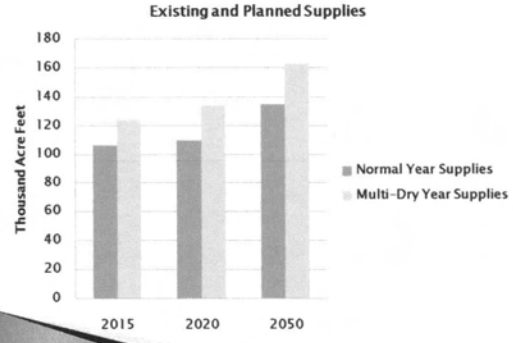
23

Multiple Dry Year Supplies



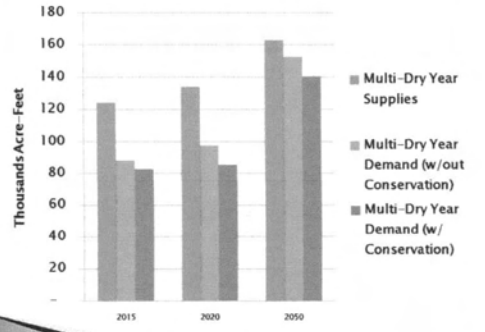
24

Normal Year vs. Multiple Dry Year



25

Multiple Dry Year
Existing and Planned Supplies and Demands



26

Public Hearings

- Hearings (CLWA and NCWD)
  - March 23, 2011, 6:15 pm at CLWA
  - May 4, 2011, 6:15 pm at CLWA
- Adoption
  - May or June 2011 (due to DWR within 30 days after adoption)

27

Questions and Answers

28

Notification of UWMP Draft Document Availability

Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations

April 11, 2010

<Address Block> - ***See Attached For Distribution List***

Subject: 2010 Urban Water Management Plan Draft Document Availability-April 15, 2011

Dear <Saluatation>,

The Santa Clarita Valley water suppliers, Castaic Lake Water Agency, CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company, have spent the last 10 months working with the community to prepare the 2010 Urban Water Management Plan (UWMP). In addition to six community workshops, the water suppliers have cooperated with the City of Santa Clarita, Counties of Los Angeles and Ventura and other interested parties on the planning document.

The draft 2010 Urban Water Management Plan will be available to the public for review beginning Friday, April 15, 2011. The UWMP document can be accessed via the water suppliers' websites, by contacting your water supplier directly (contact information below), or at one of the local Santa Clarita Valley libraries. The deadline for the public to submit comments on the UWMP draft document is 5:00 p.m. on May 20, 2011. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

Castaic Lake Water Agency www.clwa.org 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone 661-297-1600 / Fax: 661-297-1611 Email: mail@clwa.org	**CLWA Santa Clarita Water Division** www.scwater.org 26521 Summit Circle Santa Clarita, CA 91350-3049 Phone: 661-259-2737 / Fax: 661-286-4333 Email: mail@clwa.org
Newhall County Water District www.ncwd.org 23780 North Pine ST Newhall, CA 91321 Phone: 661-259-3610 / Fax: 661-259-3574 Email: mail@ncwd.org	**Valencia Water Company** www.valenciawater.com 24631 Avenue Rockefeller Valencia, CA 91355 Phone: 661-294-0828 / Fax: 661-294-3806 Email: vwcuwmp@valenciawater.com

If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Email notification to IRWM Stakeholders
Availability of Draft Document

From: Jeff Ford [mailto:jford@clwa.org]
Sent: Monday, April 18, 2011 9:47 AM
To: Jeff Ford
Subject: Availability of the Public Review Draft of the 2010 Urban Water Management Plan for the Santa Clarita Valley

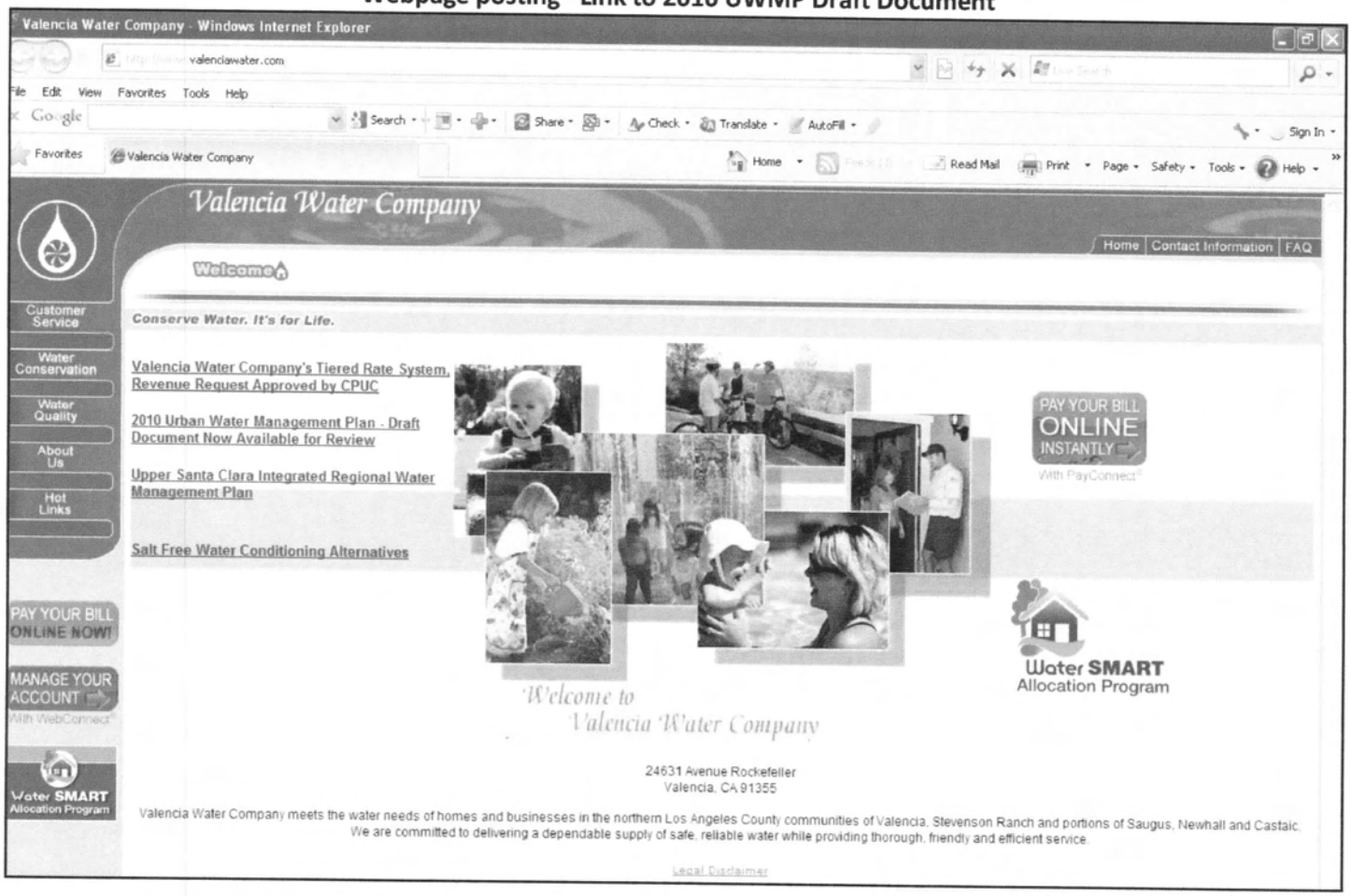
Upper SCR IRWM Stakeholders:

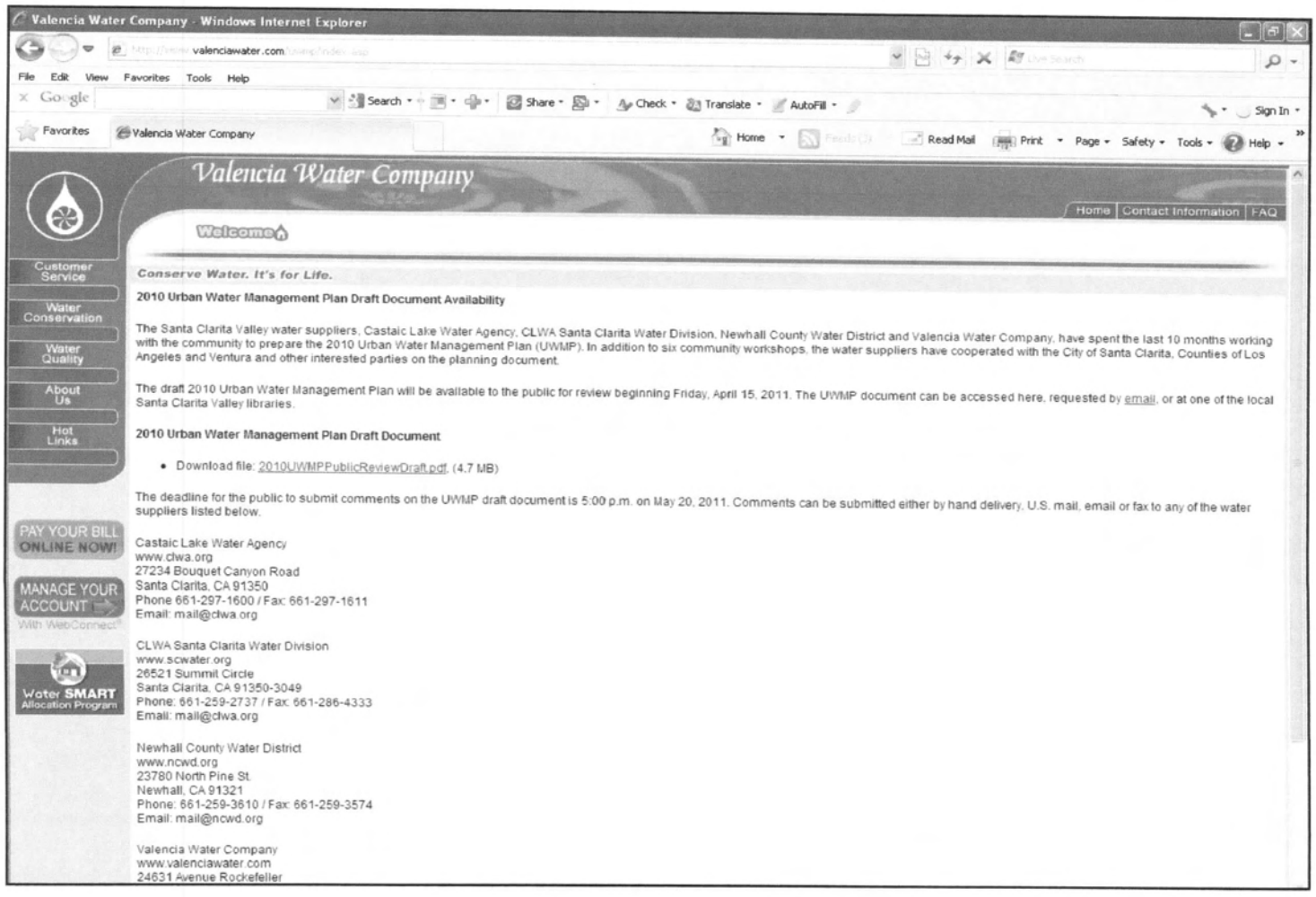
The Public Review Draft of the 2010 Urban Water Management Plan for the Santa Clarita Valley is available for review. The document can be found on the Castaic Lake Water Agency (CLWA) website at: http://www.clwa.org/about/pdfs/CLWA_2010UWMP_PublicReviewDraft.pdf. There will be a joint public hearing by the CLWA Board of Directors and the Newhall County Water District Board of Directors for the document on May 18, 2011 at 6:15 p.m. at CLWA, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350.

Regards,

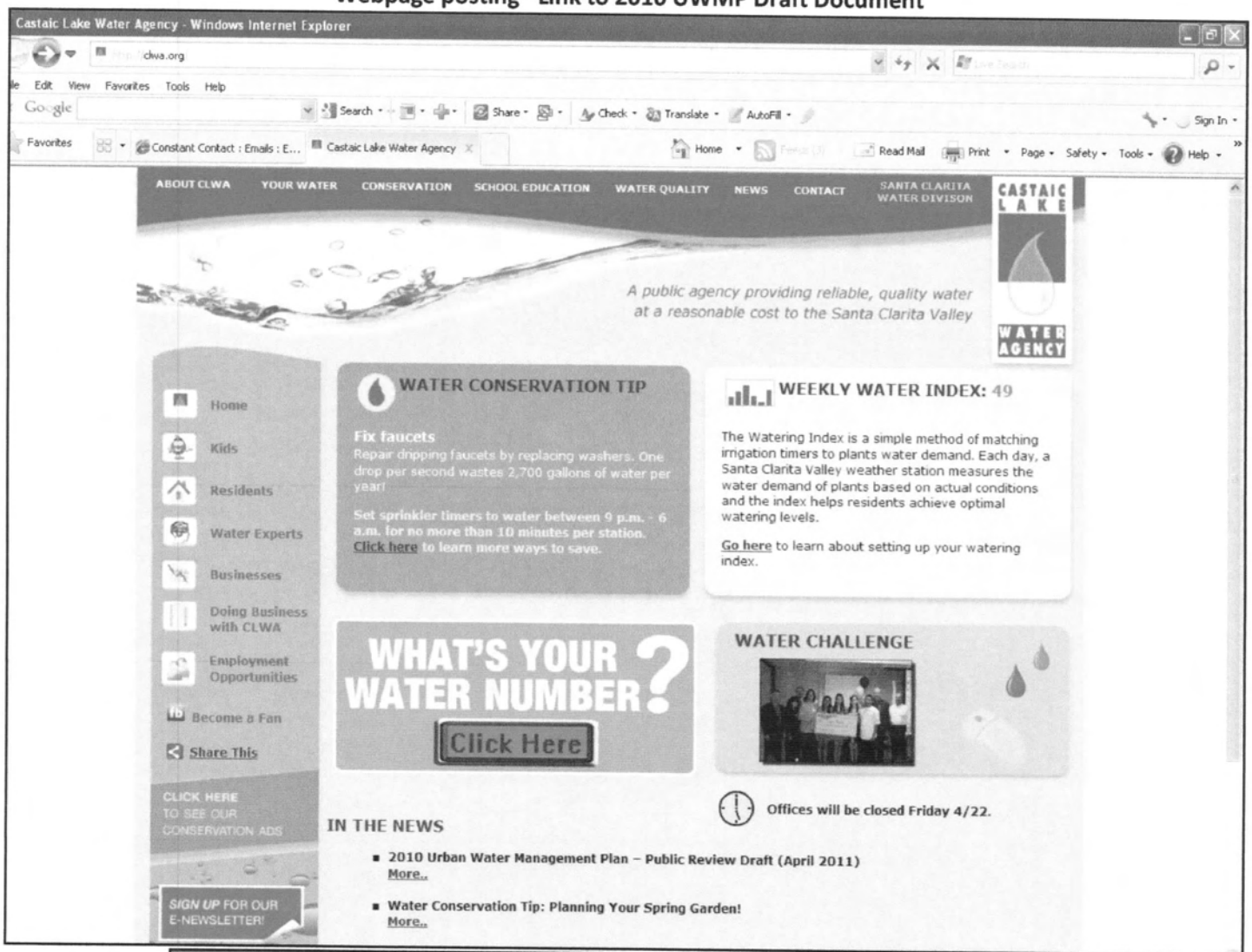
Jeff Ford
Principal Water Resources Planner
Castaic Lake Water Agency
(661) 513-1281

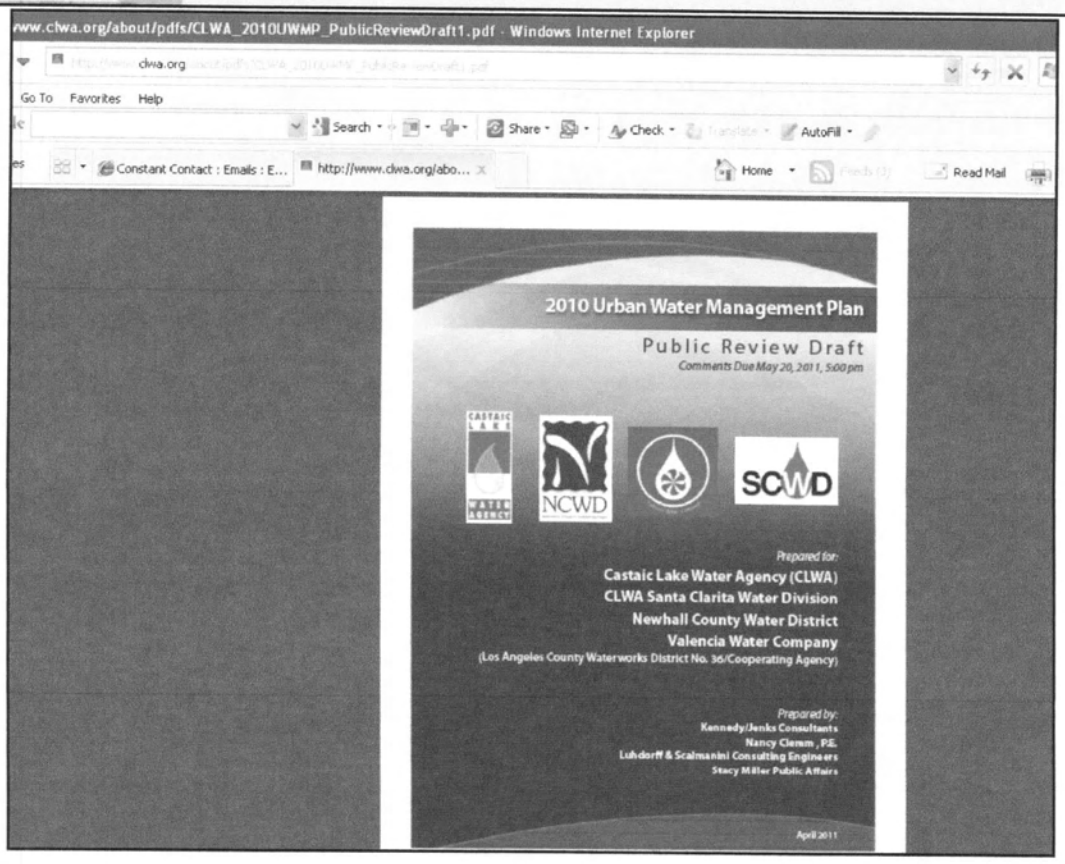
Valencia Water Company
Webpage posting –Link to 2010 UWMP Draft Document



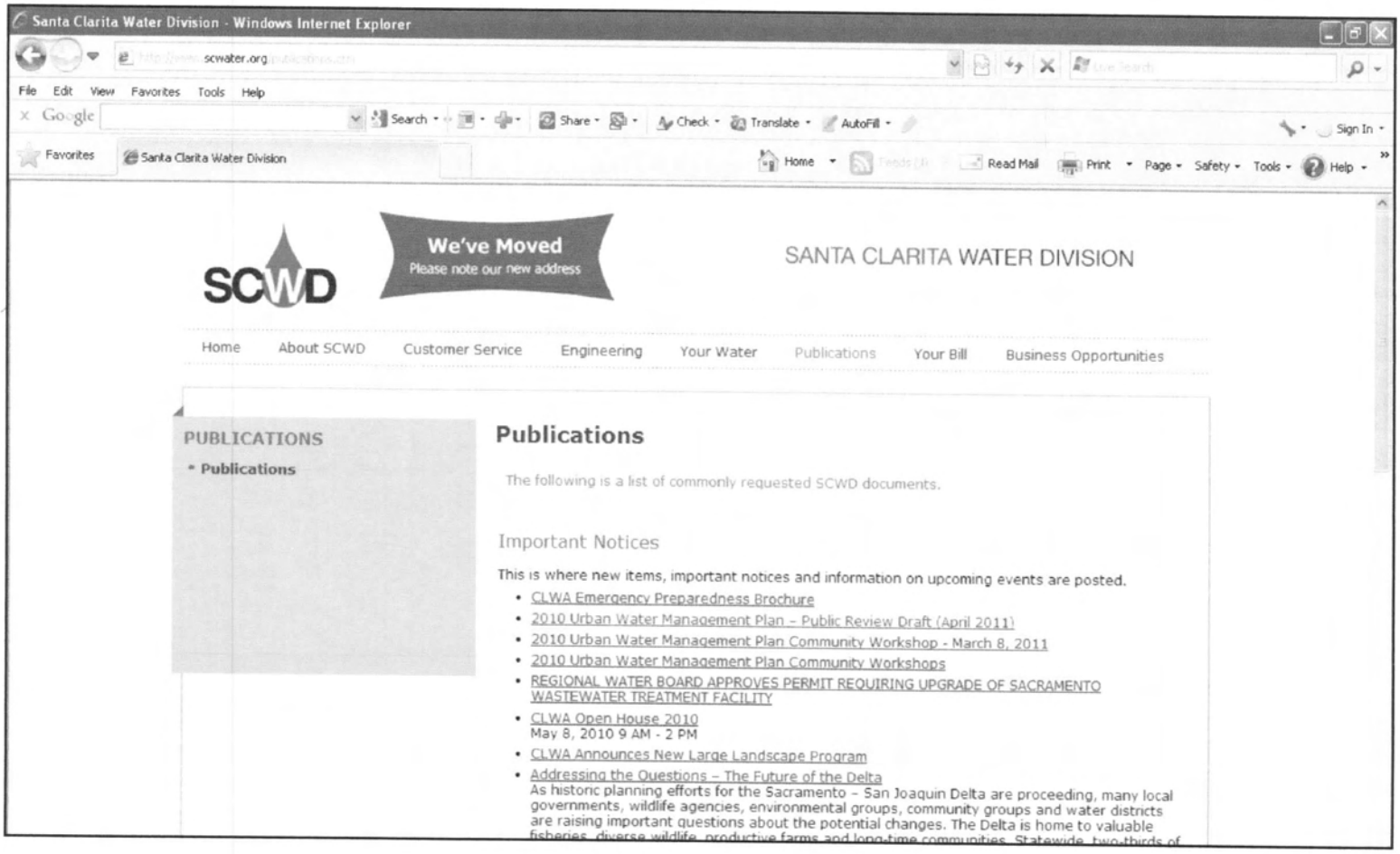


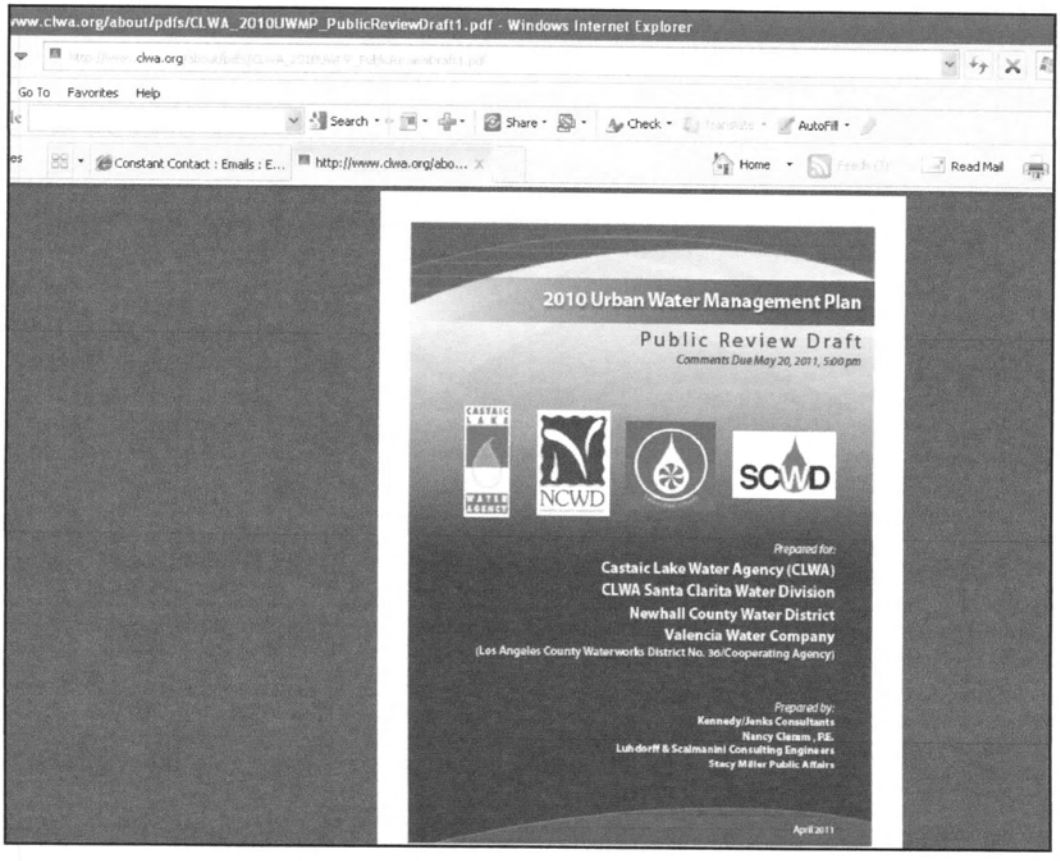
Castaic Lake Water Agency
Webpage posting –Link to 2010 UWMP Draft Document



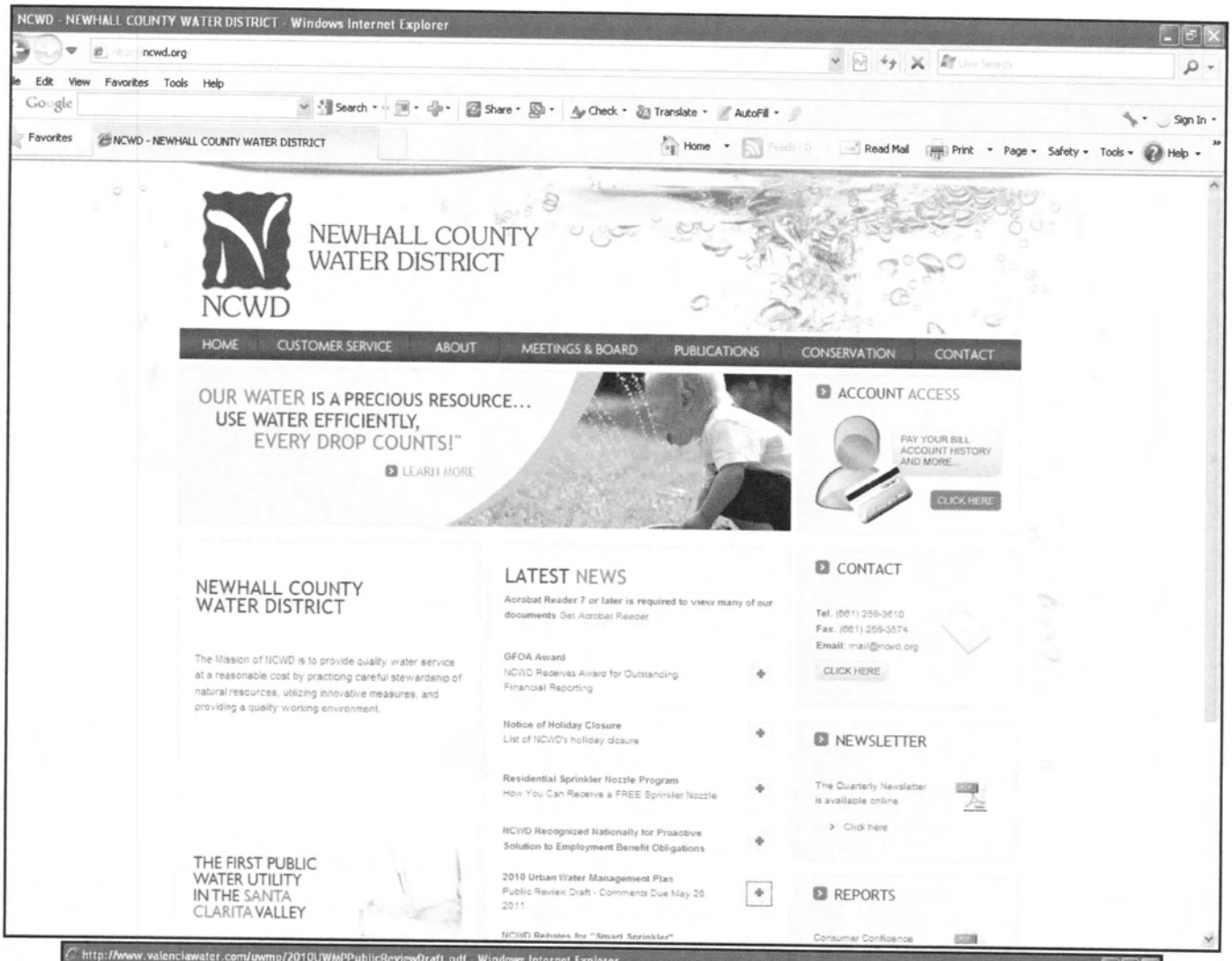


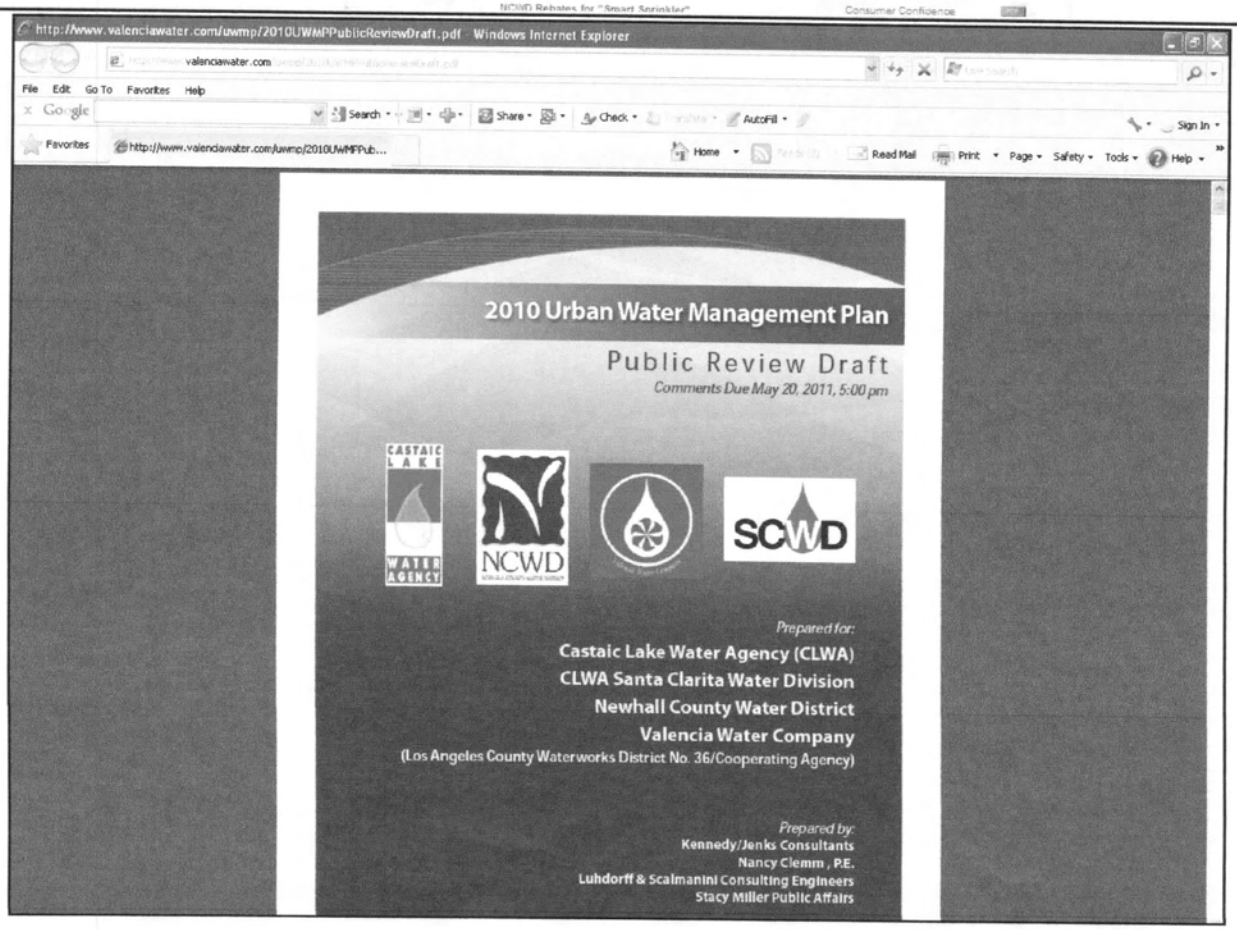
Santa Clarita Water Division
Webpage posting –Link to 2010 UWMP Draft Document





Newhall County Water District
Webpage posting –Link to 2010 UWMP Draft Document





Meetings Requested & Held Regarding Draft Document
Public Outreach Record

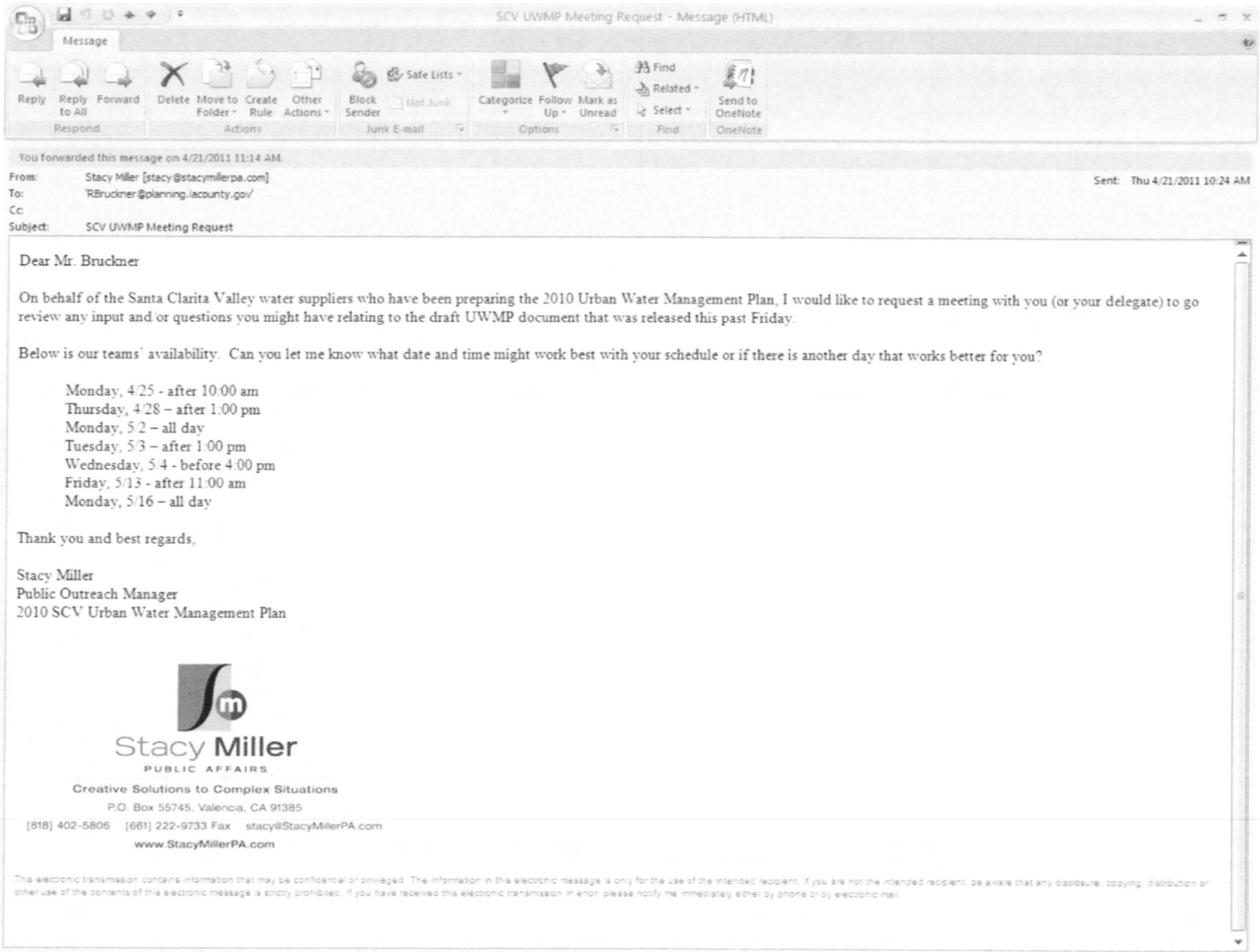
2010 Santa Clarita Valley Urban Water Management Plan

Meetings Requested and Held Regarding Input on UWMP Draft Document

Name	Affiliation	Date Meeting Held
Mike Solomon	United Water Conservation District	May 11, 2011
Mitch Glaser	LA County Planning	May 16, 2011
Jeff Hogan	City of Santa Clarita Planning	May 16, 2011
Rosalind Wayman	LA County Supervisor Michael Antonovich	May 16, 2011
Sandy Stevens	Building Industry Association	May 13, 2011
Chris Stephens	County of Ventura Resource Management Agency	Declined to meet due to busy schedule

Emails Requesting Meetings for 2010 UWMP Draft Document Input

Sent to Richard Bruckner, Regional Planning LA County



SCV UWMP Meeting Request - Message (HTML)

Message

Reply | Reply to All | Forward | Delete | Move to Folder | Create Rule | Other Actions | Block Sender | Safe Lists | Not Junk | Categorize | Follow Up | Mark as Unread | Find | Related | Select | Send to OneNote

Respond | Actions | Junk E-mail | Options | Find | OneNote

You forwarded this message on 4/21/2011 11:14 AM.

From: Stacy Miller [stacy@stacymillerpa.com]
To: 'RBruckner@planning.lacounty.gov'
Cc:
Subject: SCV UWMP Meeting Request

Sent: Thu 4/21/2011 10:24 AM

Dear Mr. Bruckner

On behalf of the Santa Clarita Valley water suppliers who have been preparing the 2010 Urban Water Management Plan, I would like to request a meeting with you (or your delegate) to go review any input and/or questions you might have relating to the draft UWMP document that was released this past Friday.

Below is our teams' availability. Can you let me know what date and time might work best with your schedule or if there is another day that works better for you?

Monday, 4/25 - after 10:00 am
Thursday, 4/28 – after 1:00 pm
Monday, 5/2 – all day
Tuesday, 5/3 – after 1:00 pm
Wednesday, 5/4 - before 4:00 pm
Friday, 5/13 - after 11:00 am
Monday, 5/16 – all day

Thank you and best regards,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

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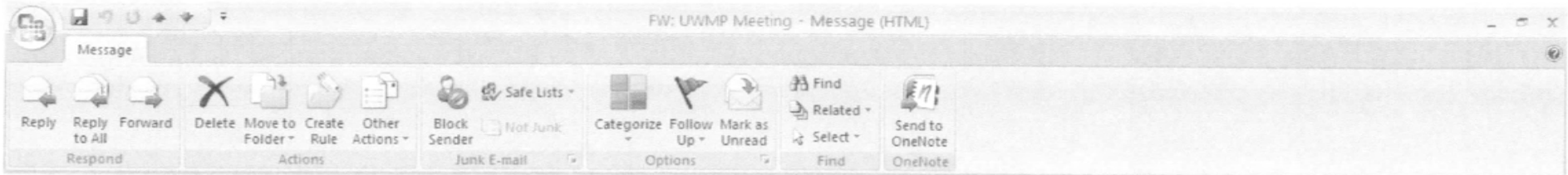
Sent to: Jeff Hogan, City of Santa Clarita



From: Stacy Miller [stacy@stacymillerpa.com]
To: 'jhogan@santa-clarita.com'
Cc: 'lpowell@santa-clarita.com'
Subject: FW: UWMP Meeting
Sent: Wed 4/20/2011 4:32 PM

Hi Jeff –

I wanted to set up a meeting with you (or your delegate), me and two of the Urban Water Management Plan (UWMP) team leads (Dirk Marks and Mary Lou Cotton) to go over any questions you might have relating to the draft UWMP document that was released this past Friday. Below is the teams availability, can you let know what date/time might work best with your schedule?

Monday, 4/25 - after 10:00 am
Thursday, 4/28 – after 1:00 pm
Monday, 5/2 – all day
Tuesday, 5/3 – after 1:00 pm
Wednesday, 5/4 - before 4:00 pm
Friday, 5/13 - after 11:00 am
Monday, 5/16 – all day

Thanks much.

Stacy

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

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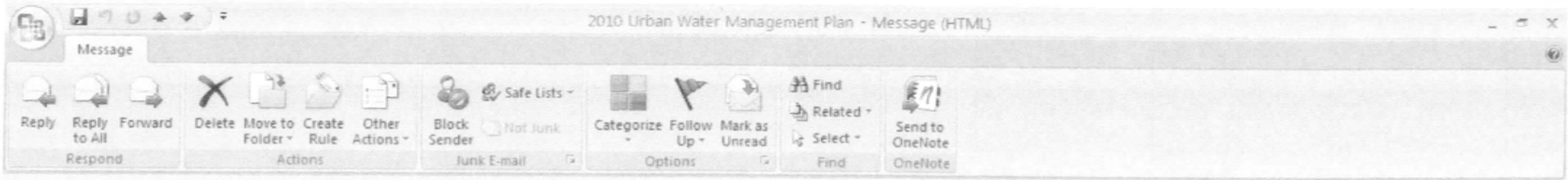
Sent to: E. Michael Solomon, United Water Conservation District



From: Stacy Miller [stacy@stacymillerpa.com]
To: 'msolomon@unitedwater.org'
Cc: 'michelle@unitedwater.org'
Subject: 2010 Urban Water Management Plan
Sent: Fri 4/22/2011 1:38 PM

Dear Mr. Solomon:

On behalf of the Santa Clarita Valley water suppliers who have been preparing the 2010 Urban Water Management Plan, I would like to request a meeting with you (or your delegate) to go over any questions you might have relating to the draft UWMP document that was released last week.

Below is our teams' availability. Can you let me know what date and time might work best with your schedule?

Thursday, 4/28 – after 1:00 pm
Monday, 5/2 – all day
Tuesday, 5/3 – after 1:00 pm
Wednesday, 5/4 - before 4:00 pm
Friday, 5/13 - after 11:00 am
Monday, 5/16 –9:00 am- noon

Thank you.

Stacy Miller
Public Outreach Manager
2010 UWMP

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

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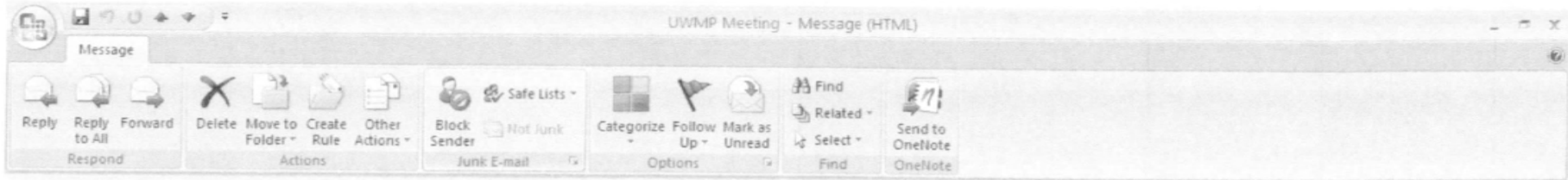
Sent to: Rosalind Wayman, Supervisor Antonovich Office



You replied on 4/22/2011 11:37 AM.

From: Stacy Miller [stacy@stacymillerpa.com]
To: 'Rosalind Wayman'
Cc:
Subject: UWMP Meeting

Sent: Wed 4/20/2011 4:19 PM

Hi Rosalind –

I wanted to set up a meeting with you, me and two of the Urban Water Management Plan (UWMP) team leads (Dirk Marks and Mary Lou Cotton) to go over any questions you might have relating to the draft UWMP document that was released this past Friday. Below is the teams availability, can you let know what date/time might work best with your schedule?

Monday, 4/25 - after 10:00 am
Thursday, 4/28 – after 1:00 pm
Monday, 5/2 – all day
Tuesday, 5/3 – after 1:00 pm
Wednesday, 5/4 - before 4:00 pm
Friday, 5/13 - after 11:00 am
Monday, 5/16 – all day

Thanks much.

Stacy

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
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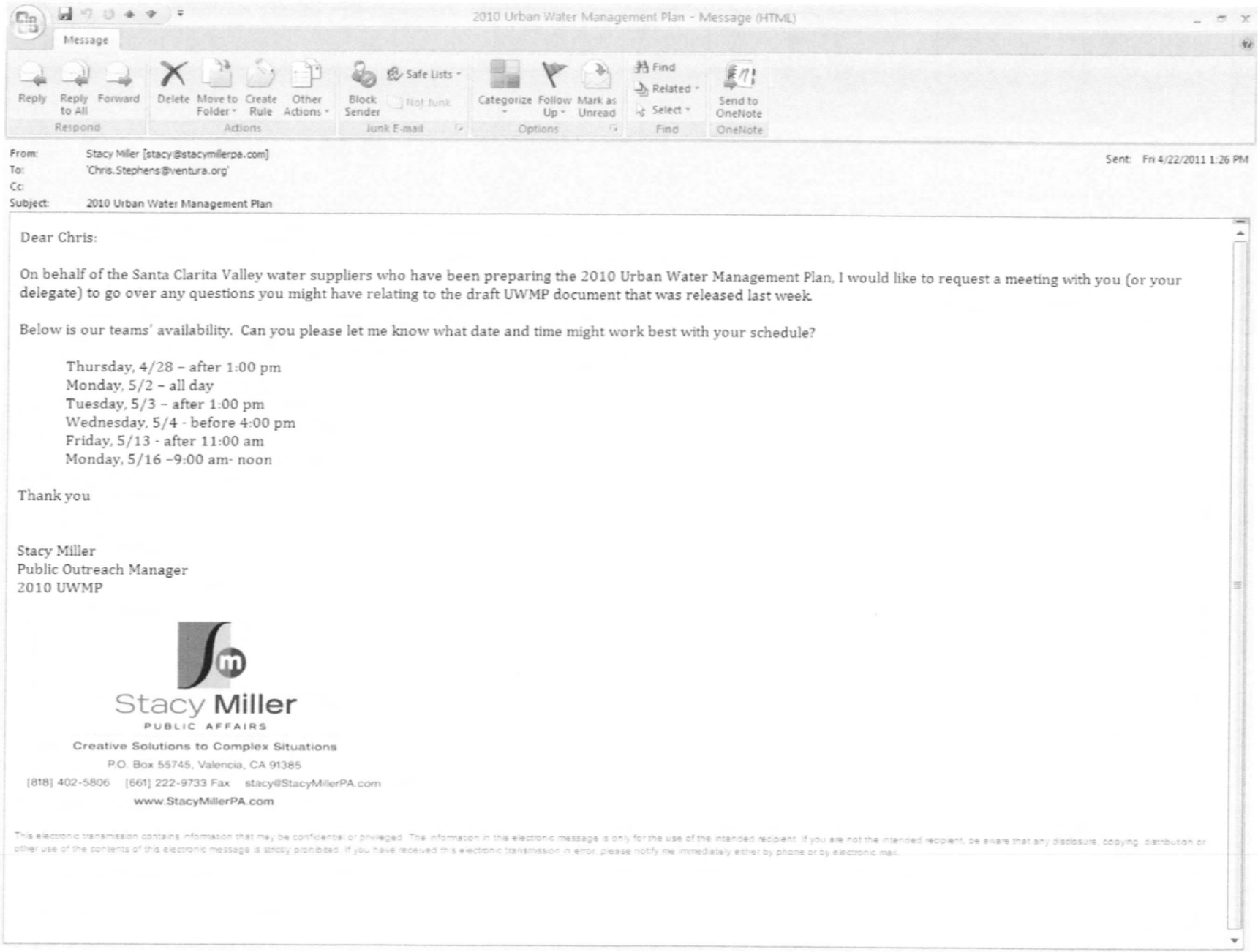
Sent to: Chris Stevens, Ventura County



2010 Urban Water Management Plan - Message (HTML)

Message

Reply | Reply to All | Forward | Delete | Move to Folder | Create Rule | Other Actions | Block Sender | Safe Lists | Not Junk | Categorize | Follow Up | Mark as Unread | Find | Related | Select | Send to OneNote

Respond | Actions | Junk E-mail | Options | Find | OneNote

From: Stacy Miller [stacy@stacymillerpa.com]
To: 'Chris.Stephens@ventura.org'
Cc:
Subject: 2010 Urban Water Management Plan

Sent: Fri 4/22/2011 1:26 PM

Dear Chris:

On behalf of the Santa Clarita Valley water suppliers who have been preparing the 2010 Urban Water Management Plan, I would like to request a meeting with you (or your delegate) to go over any questions you might have relating to the draft UWMP document that was released last week.

Below is our teams' availability. Can you please let me know what date and time might work best with your schedule?

Thursday, 4/28 – after 1:00 pm
Monday, 5/2 – all day
Tuesday, 5/3 – after 1:00 pm
Wednesday, 5/4 - before 4:00 pm
Friday, 5/13 - after 11:00 am
Monday, 5/16 –9:00 am- noon

Thank you

Stacy Miller
Public Outreach Manager
2010 UWMP

Stacy Miller
PUBLIC AFFAIRS
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P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

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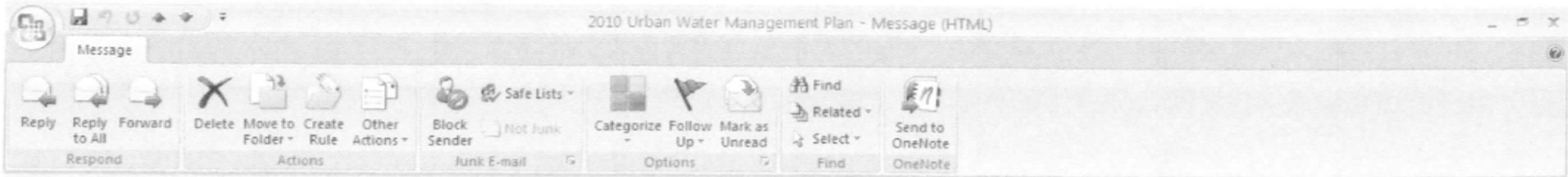
Sent to: Sandy Sanchez - Building Industry Association



From: Stacy Miller [stacy@stacymillerpa.com]
To: Sandy Sanchez (ssanchez@bialav.org)
Cc:
Subject: 2010 Urban Water Management Plan
Sent: Fri 4/22/2011 1:31 PM

Dear Sandy:

On behalf of the Santa Clarita Valley water suppliers who have been preparing the 2010 Urban Water Management Plan, I would like to request a meeting with you and/or your members to go over any questions you might have relating to the draft UWMP document that was released last week.

Below is our teams' availability. Can you let me know what date and time might work best with your schedule?

Thursday, 4/28 – after 1:00 pm
Monday, 5/2 – all day
Tuesday, 5/3 – after 1:00 pm
Wednesday, 5/4 - before 4:00 pm
Friday, 5/13 - after 11:00 am
Monday, 5/16 –9:00 am- noon

Thank you.

Stacy Miller
Public Outreach Manager
2010 UWMP

Stacy Miller
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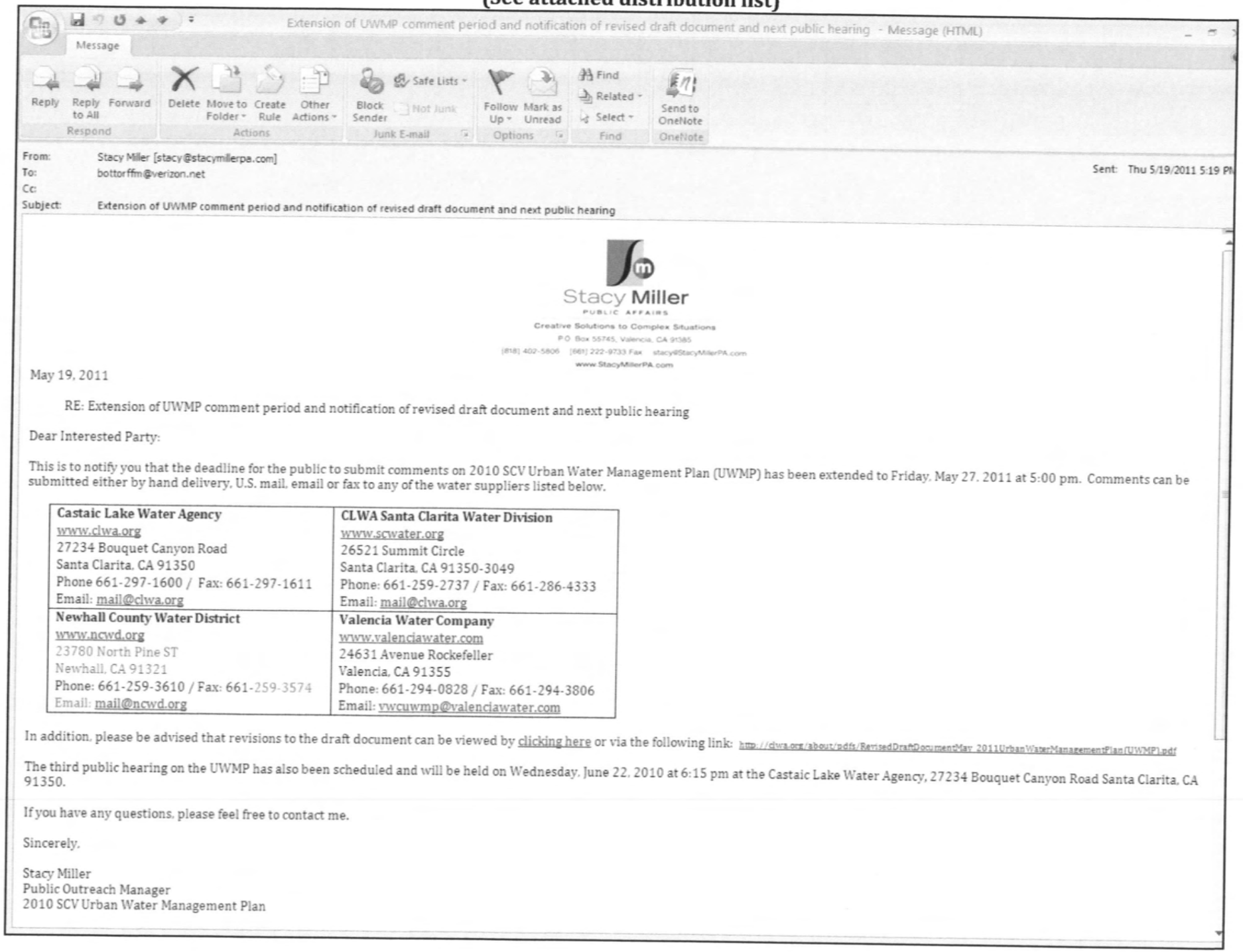
Extension of Comment Period Notification to Interested Parties

Public Outreach Record

2010 Santa Clarita Valley Urban Water Management Plan

Emails sent regarding
Extension of UWMP comment period and notification of revised draft document and next public hearing
(See attached distribution list)



Extension of UWMP comment period and notification of revised draft document and next public hearing - Message (HTML)

Message

Reply | Reply to All | Forward | Delete | Move to Folder | Create Rule | Other Actions | Block Sender | Safe Lists | Not Junk | Follow Up | Mark as Unread | Find | Related | Select | Send to OneNote

Respond | Actions | Junk E-mail | Options | Find | OneNote

From: Stacy Miller [stacy@stacymillerpa.com]
To: bottorffm@verizon.net
Cc:
Subject: Extension of UWMP comment period and notification of revised draft document and next public hearing
Sent: Thu 5/19/2011 5:19 PM

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
(818) 402-5806 (661) 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

May 19, 2011

RE: Extension of UWMP comment period and notification of revised draft document and next public hearing

Dear Interested Party:

This is to notify you that the deadline for the public to submit comments on 2010 SCV Urban Water Management Plan (UWMP) has been extended to Friday, May 27, 2011 at 5:00 pm. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

Castaic Lake Water Agency www.clwa.org 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone 661-297-1600 / Fax: 661-297-1611 Email: mail@clwa.org	**CLWA Santa Clarita Water Division** www.scwater.org 26521 Summit Circle Santa Clarita, CA 91350-3049 Phone: 661-259-2737 / Fax: 661-286-4333 Email: mail@clwa.org
Newhall County Water District www.ncwd.org 23780 North Pine ST Newhall, CA 91321 Phone: 661-259-3610 / Fax: 661-259-3574 Email: mail@ncwd.org	**Valencia Water Company** www.valenciawater.com 24631 Avenue Rockefeller Valencia, CA 91355 Phone: 661-294-0828 / Fax: 661-294-3806 Email: vwcuwmp@valenciawater.com

In addition, please be advised that revisions to the draft document can be viewed by clicking here or via the following link: http://clwa.org/about/pdfs/RevisedDraftDocumentMay_2011UrbanWaterManagementPlan(UWMP).pdf

The third public hearing on the UWMP has also been scheduled and will be held on Wednesday, June 22, 2010 at 6:15 pm at the Castaic Lake Water Agency, 27234 Bouquet Canyon Road Santa Clarita, CA 91350.

If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Email to IRWM Stakeholder Group re: Notice of the Extension of the Written Comment Period for the 2010 SCV UWMP
May 20, 2011

Notice of the Extension of the Written Comment Period for the 2010 SCV UWMP and Call for Proposals for the 2012 Smart Growth Conference - Message (HTML)

Message

Reply | Reply to All | Forward | Delete | Move to Folder | Create Rule | Other Actions | Block Sender | Safe Lists | Not Junk | Follow Up | Mark as Unread | Find | Related | Select | Send to OneNote

Respond | Actions | Junk E-mail | Options | Find | OneNote

From: Jeff Ford [jford@clwa.org]
To: Jeff Ford
Cc:
Subject: Notice of the Extension of the Written Comment Period for the 2010 SCV UWMP and Call for Proposals for the 2012 Smart Growth Conference
Sent: Fri 5/20/2011 9:24 AM

Upper SCR IRWM Stakeholder:

May 19, 2011

RE: Extension of UWMP comment period and notification of revised draft document and next public hearing

Dear Interested Party:

This is to notify you that the deadline for the public to submit comments on 2010 SCV Urban Water Management Plan (UWMP) has been extended to Friday, May 27, 2011 at 5:00 pm. Comments can be submitted either by hand delivery, U.S. mail, email or fax to any of the water suppliers listed below.

Castaic Lake Water Agency www.clwa.org 27234 Bouquet Canyon Road Santa Clarita, CA 91350 Phone 661-297-1600 / Fax: 661-297-1611 Email: mail@clwa.org	**CLWA Santa Clarita Water Division** www.scwater.org 26521 Summit Circle Santa Clarita, CA 91350-3049 Phone: 661-259-2737 / Fax: 661-286-4333 Email: mail@clwa.org
Newhall County Water District www.ncwd.org 23780 North Pine ST Newhall, CA 91321 Phone: 661-259-3610 / Fax: 661-259-3574 Email: mail@ncwd.org	**Valencia Water Company** www.valenciawater.com 24631 Avenue Rockefeller Valencia, CA 91355 Phone: 661-294-0828 / Fax: 661-294-3806 Email: vwcuwmp@valenciawater.com

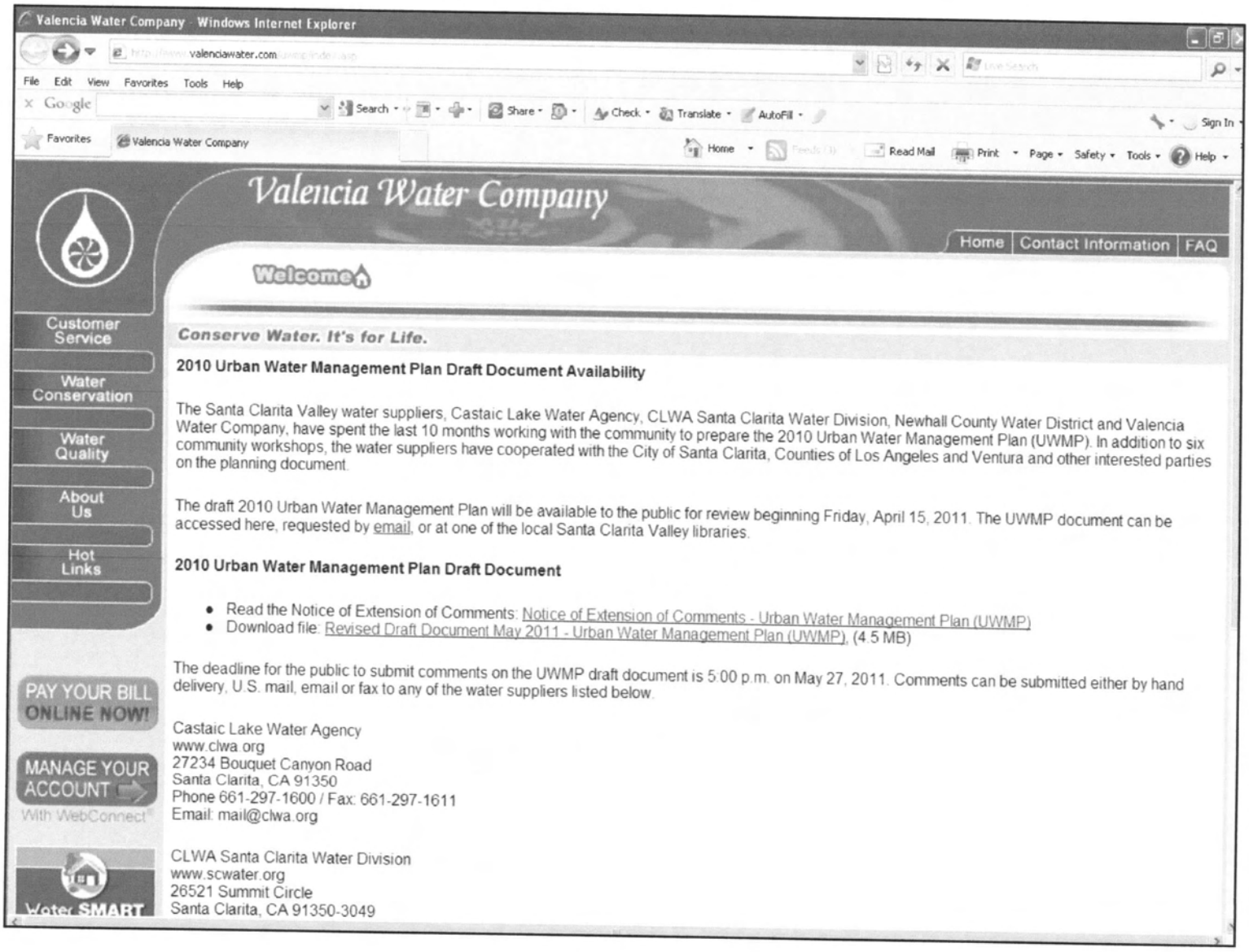
In addition, please be advised that revisions to the draft document can be viewed by clicking here or via the following link: http://clwa.org/about/pdfs/RevisedDraftDocumentMay_2011UrbanWaterManagementPlan(UWMP).pdf

The third public hearing on the UWMP has also been scheduled and will be held on Wednesday, June 22, 2010 at 6:15 pm at the Castaic Lake Water Agency, 27234 Bouquet Canyon Road Santa Clarita, CA 91350.

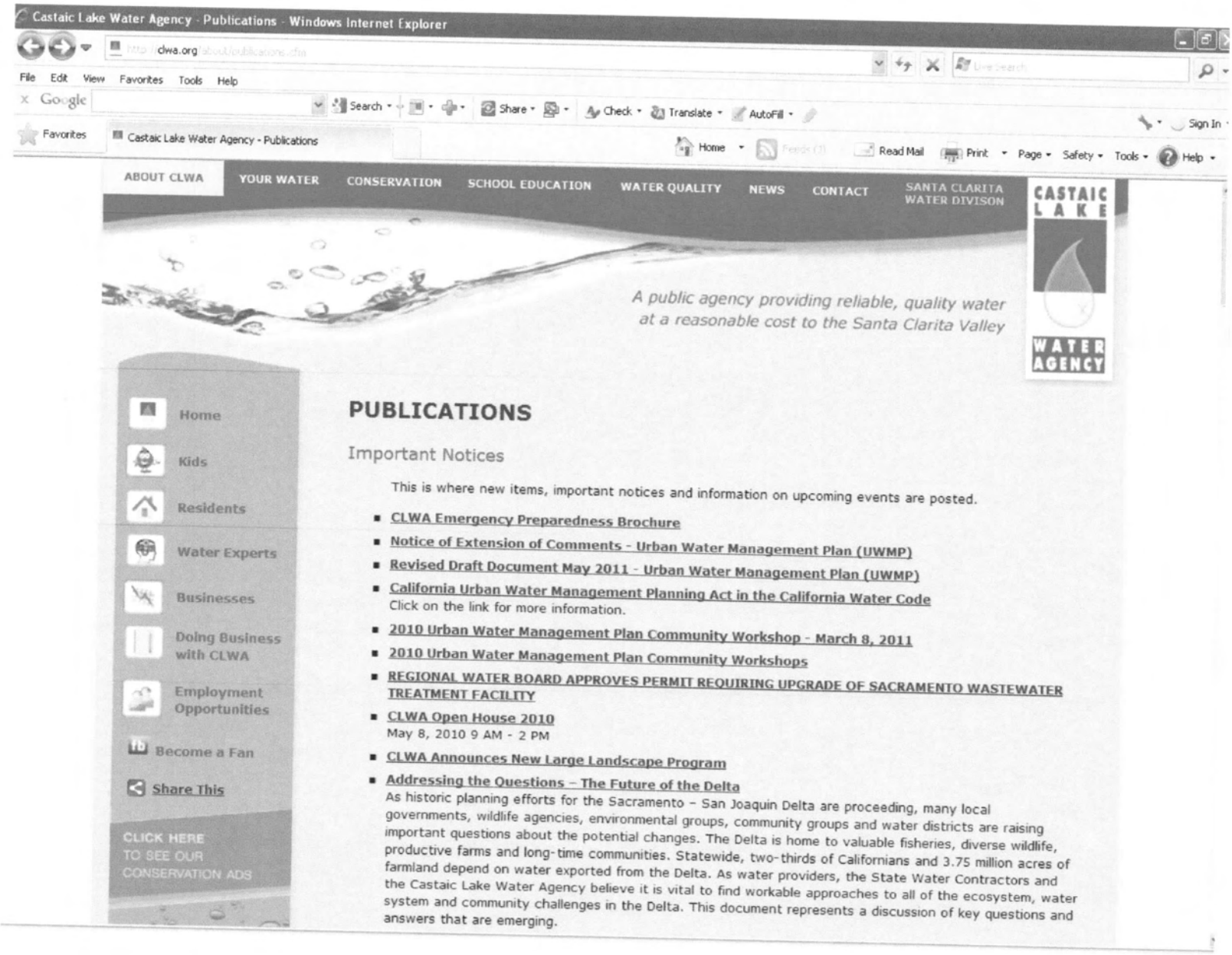
Master Email List
Extension of UWMP comment period and notification of revised draft document and next public hearing
Sent May 19, 2011

Jarrod Degonia Assemblymember Cameron Smyth Jarrod.DeGonia@asm.ca.gov	Ernie Villegas Assemblymember Jeff Gorell Ernie.Villegas@asm.ca.gov	Kevin Korenthal Associated Builders & Contractors of CA; ABC-CCC kkorenthal@abc-ccc.org
Holly Schroeder BIA - Los Angeles/Ventura Chapter hschroeder@bialav.org	Sandy Sanchez BIA - Los Angeles/Ventura Chapter ssanchez@bialav.org	David Inouye CA Department of Water Resources davidi@water.ca.gov
Robert Kelly Castaic Area Town Council RobertKelly@CastaicAreaTownCouncil.org	Mike Murphy City of Santa Clarita mmurphy@santa-clarita.com	Jason Smisko City of Santa Clarita JSmisko@santa-clarita.com
Bruce Fortine College of the Canyons fortine@earthlink.net	Bob Haueter Congressman Howard McKeon Bob.Haueter@mail.house.gov	Chris Stephens County of Ventura Resource Management Agency Chris.Stephens@ventura.org
Ron Bottorff Friends of the Santa Clara River bottorffm@verizon.net	Mark Pestrella LA County Department of Public Works mpestrel@dpw.lacounty.gov	Richard Bruckner LA County Department of Regional Planning RBruckner@planning.lacounty.gov
Jessica Bunker LA County WWD jbunker@ladpw.org	Lynn Plambeck Santa Clarita Organization for Planning the Environment - SCOPE lynne.plambeck@scope.org	Robert Fleck Santa Clarita Valley Well Owners Association rfleck@socal.rr.com
Terry Kingery SCV Chamber of Commerce tkingery@scvchamber.com	Sierra Club Angeles Chapter Contact.us@angeles.sierraclub.org	Mark Butala Southern CA Association of Governments butala@scag.ca.gov
Jackie Bick State Senator Sharon Runner Jackie.Bick@sen.ca.gov	Scott Wilk Jr. State Senator Tony Strickland scott.wilk@sen.ca.gov	David Perry Supervisor Michael Antonovich, 5th District dperry@lacbos.org
Rosalind Wayman Supervisor Michael Antonovich, 5th District rwayman@lacbos.org	E. Michael Solomon United Water Conservation District msolomon@unitedwater.org	Kathy Norris Valley Industrical Association of Santa Clarita (VIA) kathy@via.org
Ron Mechsner West Ranch Town Council Rmechsner@WestRanchTownCouncil.com	Carol Lutness SCV Fair Elections Committee santaclarita-info@caclean.org	Katherine Squires Sierra Club Angeles Chapter katherine.m.squires@csun.edu
Dunn Residents water@dslextreme.com	Mitch Glaser LA Co Department of Regional Planning mglaser@planning.lacounty.gov	Also sent via US Mail to • Mr. & Mrs. Dunn • Cam Nolltemeyer • Michael A. Naoum

UWMP – Draft Document & Extended Comment Period
Valencia Water Company
May 19, 2011

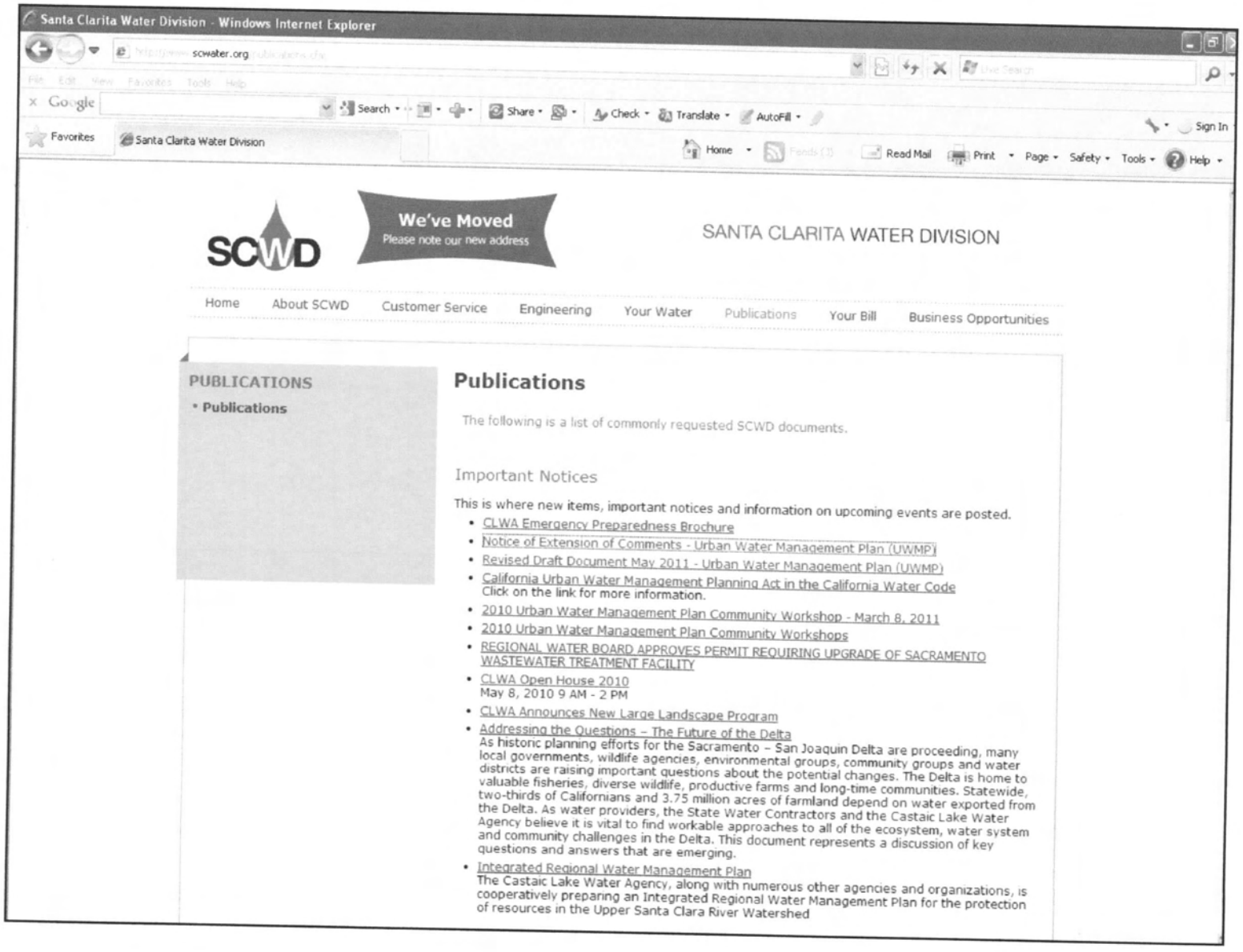


UWMP – Draft Document & Extended Comment Period
CLWA Website
May 19, 2011



UWMP – Draft Document & Extended Comment Period
Newhall County Water District
May 19, 2011

UWMP – Draft Document & Extended Comment Period
Santa Clarita Water Division
May 19, 2011



Second Public Hearing
May 18, 2011
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

CASTAIC LAKE WATER AGENCY

April 11, 2011

Richard J. Bruckner, Director
Los Angeles County
Department of Regional Planning
1390 Hall of Records
320 West Temple Street
Los Angeles, CA 90012

See attached for mailing list

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Bruckner:

In a March 3, 2011, letter (attached) we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 pm has been rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The public hearing on May 18, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

Dirk Marks

Dirk Marks,
Water Resources Manager

Attachment

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SECRETARY
APRIL JACOBS

Mailing List for May 18, 2011 Hearing Notification

Rosalind Wayman, Field Deputy Los Angeles County Fifth Supervisorial District 23920 Valencia Blvd., Suite 265 Santa Clarita, CA 91355	Jessica Bunker, P.E. Waterworks Division P.O. Box 1460 Alhambra, CA 91802-1460
Jeff W. Hogan, AICP Interim Planning Manager City of Santa Clarita Planning Division 23920 Valencia Blvd., Suite 300 Santa Clarita, CA 91355	Mike Murphy Intergovernmental Relations Officer City of Santa Clarita 23920 Valencia Blvd., Suite 300 Santa Clarita, CA 91355
Chris Stevens, Director Resource Management Agency County of Ventura 800 South Victoria Avenue Ventura, CA 93009-1740	Richard J. Bruckner, Director LA County Dept. Regional Planning Los Angeles County 1390 Hall of Records 320 West Temple Street Los Angeles 90012
Mark Pestrella LA County Dept. Public Works Los Angeles County P.O. Box 1460 Alhambra 91802-1460	

THE SIGNAL NEWSPAPER
24000 Creekside Rd
Valencia, Ca 91355

Proof of Publication
(2015.5 C.C.P.)

STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES

I am a citizen of the United States,and a resident of the county aforesaid; I am over the age of eighteen years; and I am not a party to or interestedin the notice published. I am the chief legal advertising clerk of the publisher of the

SIGNAL NEWSPAPER

a newspaper of general circulation, printed and published **Daily** in the city of Santa Clarita County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles State of California, under the date of **March 25, 1988**
Case number **NVC15880**, that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

4/14, 4/21, 4/28, 5/5, 5/12

All in the year 20 11

I certify (or declare) under penalty of perjury' that the foregoing is true and correct

Dated at Valencia, California, this
12th day of May, 20 11

Signature

NOTICE OF PUBLIC HEARING 2010 URBAN WATER MANAGEMENT PLAN

Castaic Lake Water Agency ("CLWA"), CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have directed the preparation of a joint regional 2010 Urban Water Management Plan ("UWMP") for the Santa Clarita Valley, as encouraged by the Urban Water Management Planning Act ("Act"). Los Angeles County Waterworks District No. 36 is participating in the process on an ad hoc basis. Adoption of the 2010 UWMP is required under the Act by July 1, 2011.

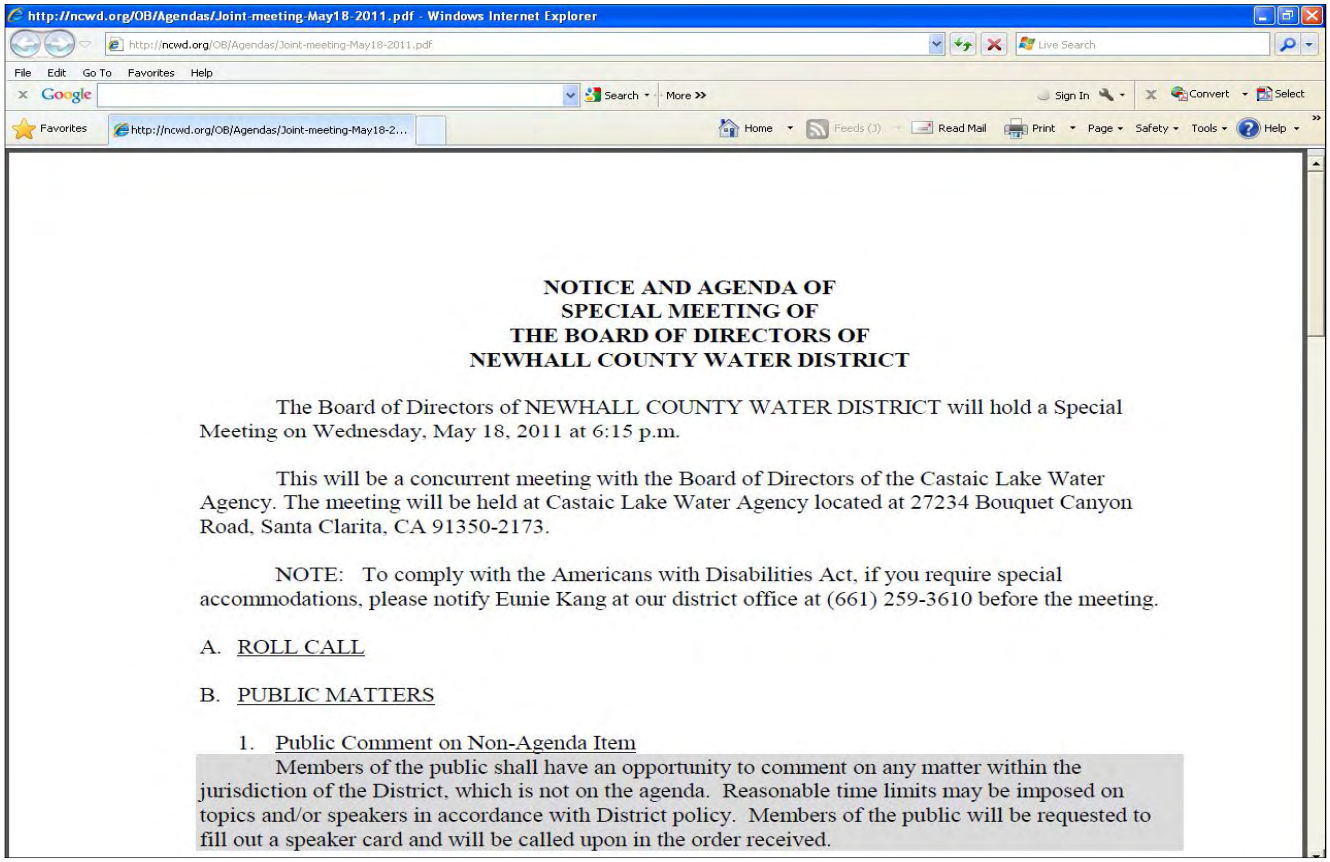
While the Act only requires that an urban water supplier hold one public hearing before adopting a plan, in order to ensure sufficient opportunity for public feedback, input and suggestions concerning the 2010 UWMP, two public hearings were scheduled. Additional hearings may be scheduled if needed.

The first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 pm has been rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The public hearing on May 18, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact Dirk Marks, CLWA Water Resources Manager, at (661) 297-1600.

The Signal 4/14, 4/21, 4/28, 5/5 & 5/12 2011

UWMP –May Hearing Notice
NCWD Website



Santa Clarita Valley Urban Water Management Plan

Public Hearing
May 18, 2011
Castaic Lake Water Agency

Agenda

- **Open public hearing**
- **Review of public input process and public comment period**
- **Public comment**
- **Board questions and answers**
- **Description of UWMP document finalization process**
- **Next steps**

Past Workshops

- **May 2010**
- UWMP purposed and process - What, Who, Why and When
- Existing and new requirements of UWMPs

- **July 2010**
- SBX7-7 Requirements
- Recycled Water
- Groundwater Supplies
- State Water Project Reliability

- **November 2010** (with the IRWMP Stakeholders)
- UWMP purposed and process - What, Who, Why and When
- Required under SBX7-7
- Importance of UWMP to IRWMP process and vice versa

Past Workshops (continued)

- **November 2010**
- GPCD population assumptions and calculations
- SBX7-7
- Targets by retailer

- **January 2011**
- Overview of water supplies
- SWP reliability update
- CLWA reliability planning update
- SBX7-7 ("20x2020") calculations and targets
- Overview of water supplies and demand

- **March 2011**
- Water Supply and Demands

Public Hearing and Draft Document

- 1st public hearing March 23, 2011
- Draft document made available April 15, 2011
- Comment period through May 20, 2011

Comment Letters Received

- Friends of the Santa Clara River
- Santa Clarita resident and Valencia Water ratepayer
- Santa Clarita Valley Fair Elections Committee
- Sierra Club
- Mr. and Mrs. Dunn
- Mr. Naoum

Broad Categories of Comments Received

- Groundwater overdraft
- Water banking programs
- State Water Project reliability
- Water conservation accounting
- Chlorides (TMDL/AWRM)
- Perchlorate
- Organic compounds

Santa Clarita Valley Urban Water Management Plan

Public Comment Period

Santa Clarita Valley Urban Water Management Plan

Directors' Question and Answer Period

a) Overall/general UWMP comments
b) Demands, Supplies (SWP and GW), Reliability
c) Recycled water (Lynn Takaichi)
d) Water quality (Lynn Takaichi)
e) Water conservation
f) Contingency planning

Water Quality and Recycled Water

- Lynn Takaichi – Kennedy/Jenks Consultants

Water Quality

- Imported Water Quality
  - Chloride TMDL
  - Alternative Water Resources Management Program (AWRM)
  - SWP Water Quality Modeling
- Groundwater Quality
  - Perchlorate treatment and restoration

Water Quality (continued)

- Imported Water Quality
  - Chloride TMDL (2005) – 100 mg/L from Saugus/Valencia WRPs
- Alternative Water Resources Management Program (AWRM) (2008)
  - Established conditional site specific objectives for chloride;
  - Provides water quality and water supply benefits, and protects biological resources;
  - SWP Water Quality Modeling

Water Quality Perchlorate

Year Perchlorate Detected	Purveyor Well	Groundwater Aquifer	Status
1997	SCWD Saugus 1	Saugus	DPH approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment
1997	SCWD Saugus 2	Saugus	DPH approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment
1997	VWC's Well 157	Saugus	Sealed and capacity replaced by new well.
1997	NCWD Well 11	Saugus	Out of service
2002	SCWD's Stadium Well	Alluvium	Sealed and capacity replaced by new well.
2005	VWC's Well Q2	Alluvium	DPH approved perchlorate treatment removal in 2007; treatment was installed in 2005 and relocated for potential future use; well remains in service
2006	NCWD's Well NC-13	Saugus	DPH approved annual monitoring, results have always been below the detection limit for reporting; well remains in service

* *Rapid Response Fund* provides $10M in reimbursement funds to CLWA as fail-safe

Water Quality

- SCV water supplies meet all EPA and State water quality requirements
- Water quality does not currently affect the reliability of supplies

Recycled Water

- Based on 2002 Recycled Water Master Plan and 2006 Programmatic EIR
  - Modified Phasing and Pipeline Alignments
  - Both Valencia WRP and Saugus WRP Utilized
  - Potential Onsite RW Production
- Current production = 400± AFY
- Ultimate production = 17,400 AFY, plus 5,400 AFY from Newhall Ranch WRP
- Will help the SCV meet 20x2020 goals

Recycled Water (continued)

Recycled Water Master Plan

2010 Demand (325± AFY)

- Phase 1 - 1,700 AFY (already built)
- Phase 2A - 500 AFY ~ $28 million
- Phase 2C - 900 AFY ~ $11million

2020 Demand (3,000 AFY)

Santa Clarita Valley Urban Water Management Plan

Directors' Question and Answer Period

a) Overall/general UWMP comments
b) Demands, Supplies (SWP and GW), Reliability
c) Recycled water
d) Water quality
e) Water conservation
f) Contingency planning

Santa Clarita Valley Urban Water Management Plan

Next Steps

Third & Final Public Hearing
June 22, 2011
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

June 8, 2011

Richard J. Bruckner, Director
LA County Dept. Regional Planning
Los Angeles County
1390 Hall of Records
320 West Temple Street
Los Angeles 90012

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Bruckner,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

Dirk Marks,
Water Resources Manager

CASTAIC LAKE WATER AGENCY

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June 8, 2011

Mark Pestrella
LA County Dept. Public Works
Los Angeles County
P.O. Box 1460
Alhambra 91802-1460

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Pestrella,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

Dirk Marks,
Water Resources Manager

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June 8, 2011

Chris Stevens, Director
Resource Management Agency
County of Ventura
800 South Victoria Avenue
Ventura, CA 93009-1740

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Stevens,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

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Sincerely,

Dirk Marks,
Water Resources Manager

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June 8, 2011

Jason Smisko
Senior Planner
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Smisko,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

Dirk Marks

Dirk Marks,
Water Resources Manager

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June 8, 2011

Mike Murphy
Intergovernmental Relations Officer
City of Santa Clarita
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Murphy,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

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Sincerely,

Dirk Marks,
Water Resources Manager

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APRIL JACOBS

June 8, 2011

Jeff W. Hogan, AICP
Interim Planning Manager
City of Santa Clarita Planning Division
23920 Valencia Blvd., Suite 300
Santa Clarita, CA 91355

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Mr. Hogan,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

For additional information regarding the public hearings, please contact me at (661) 297-1600.

Sincerely,

Dirk Marks,
Water Resources Manager

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McCORMICK, KIDMAN & BEHRENS, LLP
SECRETARY
APRIL JACOBS

June 8, 2011

Jessica Bunker, P.E.
Waterworks Division
P.O. Box 1460
Alhambra, CA 91802-1460

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Bunker,

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Sincerely,

Dirk Marks,
Water Resources Manager

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APRIL JACOBS

June 8, 2011

Rosalind Wayman, Field Deputy
Los Angeles County
Fifth Supervisorial District
23920 Valencia Blvd., Suite 265
Santa Clarita, CA 91355

Subject: Revised Notification of Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan

Dear Ms. Wayman,

In a March 3, 2011, letter we notified you of the upcoming Public Hearings for the 2010 Santa Clarita Valley Urban Water Management Plan. As noted in the letter, the first public hearing was held on Wednesday, March 23, 2011. The second public hearing originally scheduled for Wednesday, May 4, 2011 at 6:15 p.m. was rescheduled to Wednesday, May 18, 2011 at 6:15 PM. The third public hearing has been scheduled on June 22, 2011 will take place at the CLWA Boardroom located on the 1st floor of the Administration Building at the Rio Vista Water Treatment Plant, 27234 Bouquet Canyon Road, Santa Clarita, California 91350.

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Sincerely,

Dirk Marks,
Water Resources Manager

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STATE OF CALIFORNIA,
COUNTY OF LOS ANGELES

I am a citizen of the United States,and a resident of the county aforesaid; I am over the age of eighteen years; and I am not a party to or interestedin the notice published. I am the chief legal advertising clerk of the publisher of the

SIGNAL NEWSPAPER

a newspaper of general circulation, printed and published **Daily** in the city of Santa Clarita County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles State of California, under the date of **March 25, 1988**
Case number **NVC15880**, that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

5/26, 6/2, 6/9, 6/16

All in the year 20 11

I certify (or declare) under penalty of perjury' that the foregoing is true and correct

Dated at Valencia, California, this
16th day of June, 20 11

Signature

NOTICE OF THIRD PUBLIC HEARING 2010 URBAN WATER MANAGEMENT PLAN

Castaic Lake Water Agency ("CLWA"), CLWA Santa Clarita Water Division, Newhall County Water District and Valencia Water Company have directed the preparation of a joint regional 2010 Urban Water Management Plan ("UWMP") for the Santa Clarita Valley, as encouraged by the Urban Water Management Planning Act ("Act"). Los Angeles County Waterworks District No. 36 is participating in the process on an ad hoc basis. Adoption of the 2010 UWMP is required under the Act by July 1, 2011.

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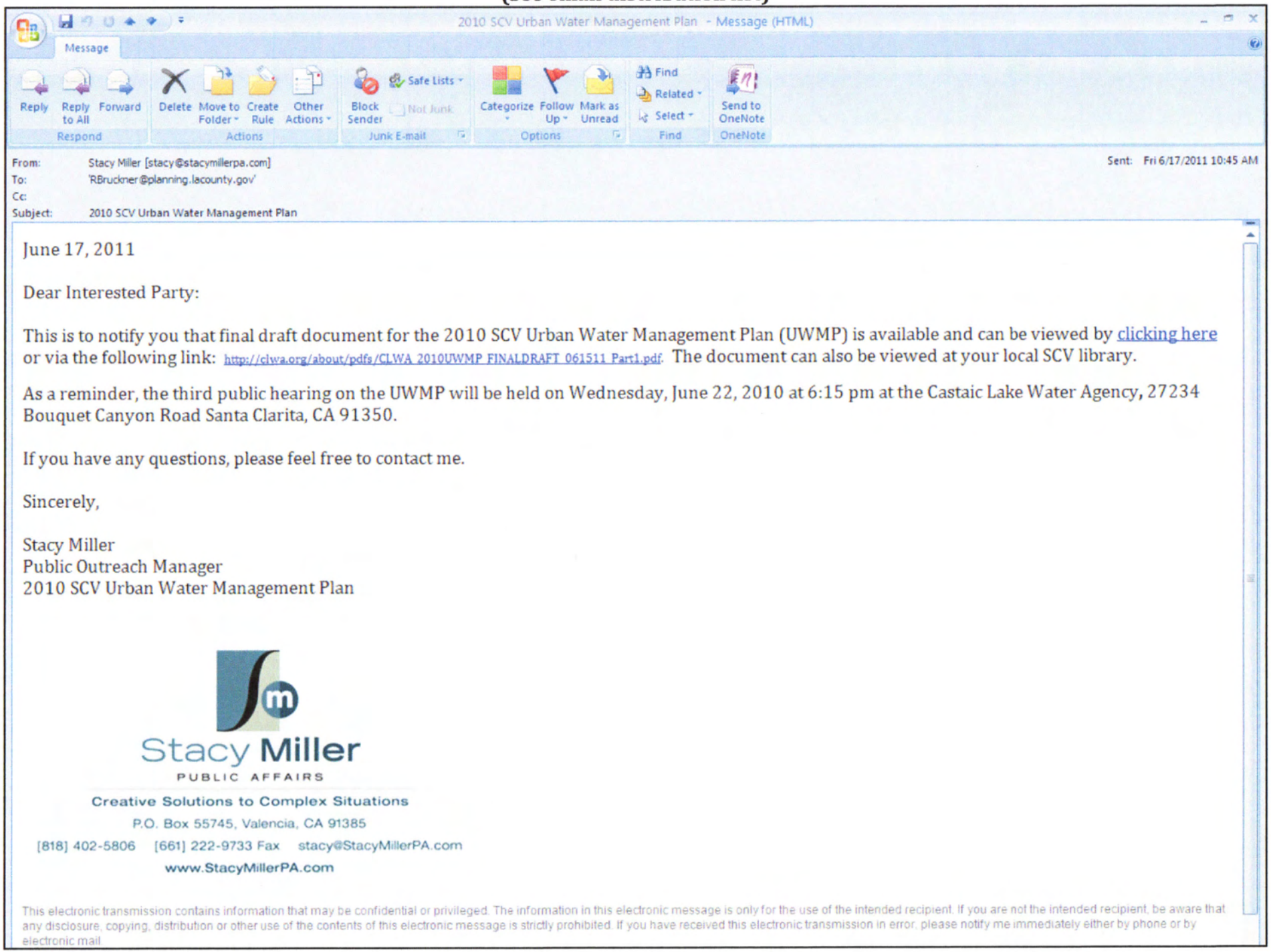
For additional information regarding the public hearings, please contact Dirk Marks, CLWA Water Resources Manager, at (661) 297-1600.

The Signal 5/26, 6/2 & 6/9 & 6/16 2011

Emails sent regarding
Final Draft Document Availability & 3rd Public Hearing Reminder
(See email distribution list)



2010 SCV Urban Water Management Plan - Message (HTML)

Message

Reply | Reply to All | Forward | Delete | Move to Folder | Create Rule | Other Actions | Block Sender | Safe Lists | Not Junk | Categorize | Follow Up | Mark as Unread | Find | Related | Select | Send to OneNote

Respond | Actions | Junk E-mail | Options | Find | OneNote

From: Stacy Miller [stacy@stacymillerpa.com]
To: 'RBruckner@planning.lacounty.gov'
Cc:
Subject: 2010 SCV Urban Water Management Plan
Sent: Fri 6/17/2011 10:45 AM

June 17, 2011

Dear Interested Party:

This is to notify you that final draft document for the 2010 SCV Urban Water Management Plan (UWMP) is available and can be viewed by clicking here or via the following link: http://clwa.org/about/pdfs/CLWA_2010UWMP_FINALDRAFT_061511_Part1.pdf. The document can also be viewed at your local SCV library.

As a reminder, the third public hearing on the UWMP will be held on Wednesday, June 22, 2010 at 6:15 pm at the Castaic Lake Water Agency, 27234 Bouquet Canyon Road Santa Clarita, CA 91350.

If you have any questions, please feel free to contact me.

Sincerely,

Stacy Miller
Public Outreach Manager
2010 SCV Urban Water Management Plan

Stacy Miller
PUBLIC AFFAIRS
Creative Solutions to Complex Situations
P.O. Box 55745, Valencia, CA 91385
[818] 402-5806 [661] 222-9733 Fax stacy@StacyMillerPA.com
www.StacyMillerPA.com

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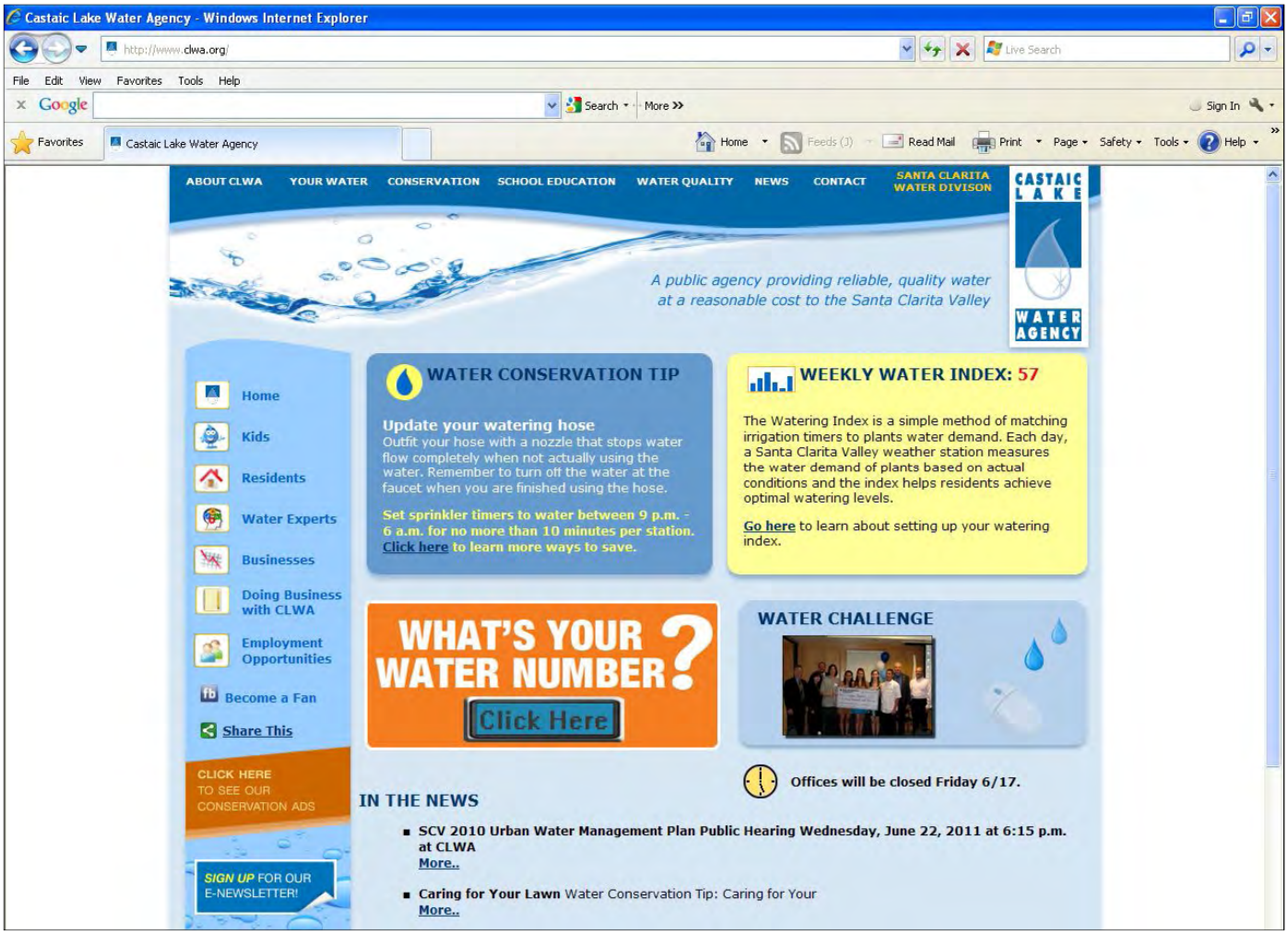
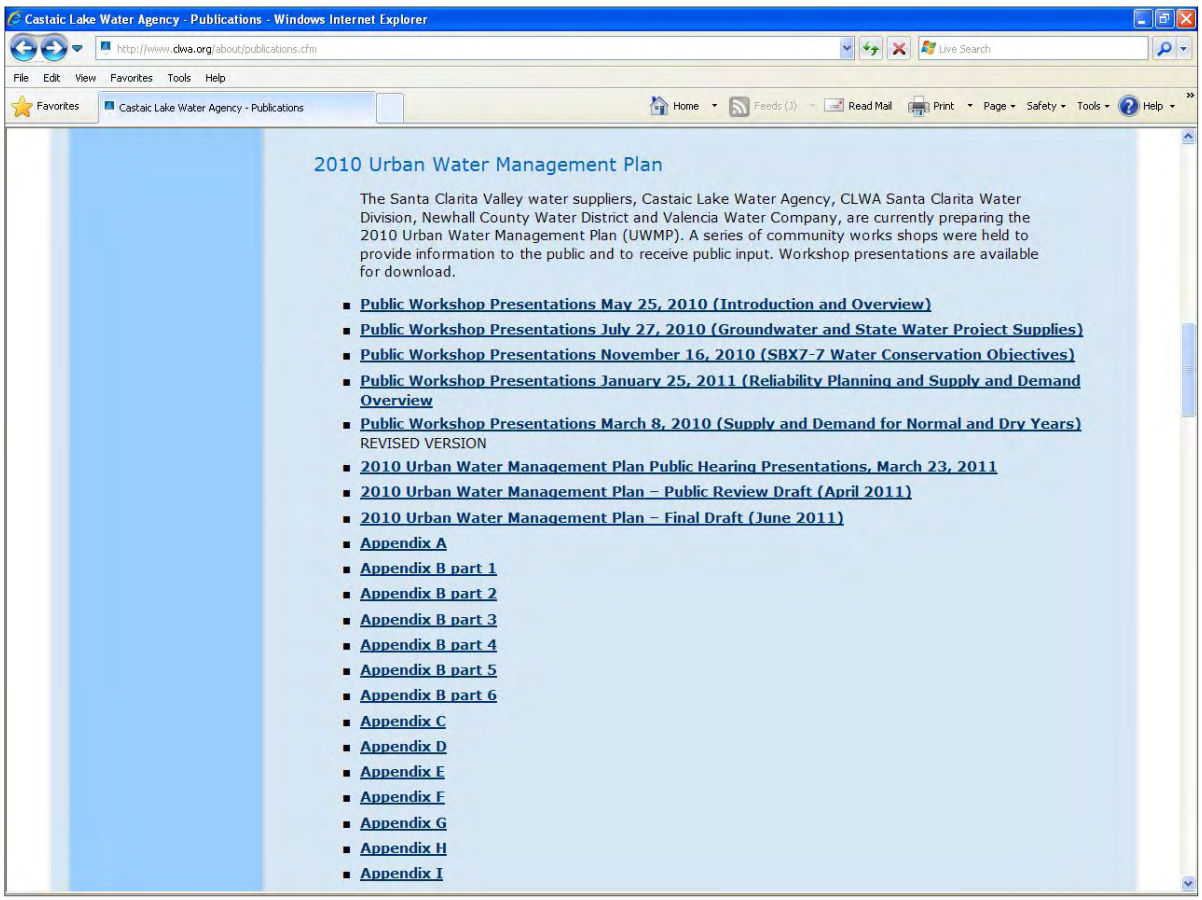
Master Email List
Extension of UWMP comment period and notification of revised draft document and next public hearing
Sent June 17, 2011

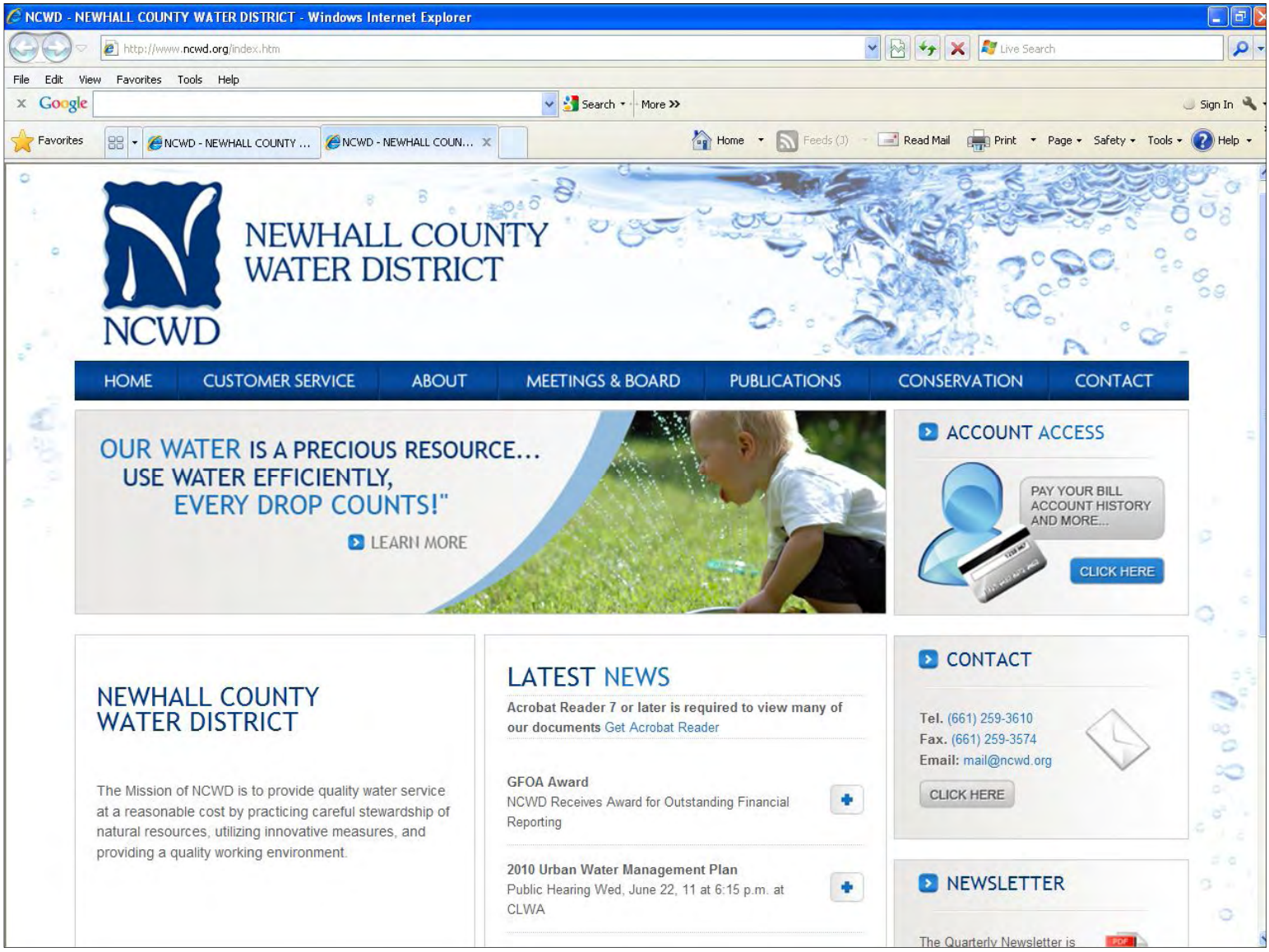
Jarrod Degonia Assemblymember Cameron Smyth Jarrod.DeGonia@asm.ca.gov	Ernie Villegas Assemblymember Jeff Gorell Ernie.Villegas@asm.ca.gov	Kevin Korenthal Associated Builders & Contractors of CA; ABC-CCC kkorenthal@abc-ccc.org
Holly Schroeder BIA - Los Angeles/Ventura Chapter hschroeder@bialav.org	Sandy Sanchez BIA - Los Angeles/Ventura Chapter ssanchez@bialav.org	David Inouye CA Department of Water Resources davidi@water.ca.gov
Robert Kelly Castaic Area Town Council RobertKelly@CastaicAreaTownCouncil.org	Mike Murphy City of Santa Clarita mmurphy@santa-clarita.com	Jason Smisko City of Santa Clarita JSmisko@santa-clarita.com
Bruce Fortine College of the Canyons fortine@earthlink.net	Bob Haueter Congressman Howard McKeon Bob.Haueter@mail.house.gov	Chris Stephens County of Ventura Resource Management Agency Chris.Stephens@ventura.org
Ron Bottorff Friends of the Santa Clara River bottorffm@verizon.net	Mark Pestrella LA County Department of Public Works mpestrel@dpw.lacounty.gov	Richard Bruckner LA County Department of Regional Planning RBruckner@planning.lacounty.gov
Jessica Bunker LA County WWD jbunker@ladpw.org	Lynn Plambeck Santa Clarita Organization for Planning the Environment - SCOPE lynne.plambeck@scope.org	Robert Fleck Santa Clarita Valley Well Owners Association rfleck@socal.rr.com
Terry Kingery SCV Chamber of Commerce tkingery@scvchamber.com	Sierra Club Angeles Chapter Contact.us@angeles.sierraclub.org	Mark Butala Southern CA Association of Governments butala@scag.ca.gov
Jackie Bick State Senator Sharon Runner Jackie.Bick@sen.ca.gov	Scott Wilk Jr. State Senator Tony Strickland scott.wilk@sen.ca.gov	David Perry Supervisor Michael Antonovich, 5th District dperry@lacbos.org
Rosalind Wayman Supervisor Michael Antonovich, 5th District rwayman@lacbos.org	E. Michael Solomon United Water Conservation District msolomon@unitedwater.org	Kathy Norris Valley Industrical Association of Santa Clarita (VIA) kathy@via.org
Ron Mechsner West Ranch Town Council Rmechsner@WestRanchTownCouncil.com	Carol Lutness SCV Fair Elections Committee santaclarita-info@caclean.org	Katherine Squires Sierra Club Angeles Chapter katherine.m.squires@csun.edu
Dunn Residents water@dslextreme.com	Mitch Glaser LA Co Department of Regional Planning mglaser@planning.lacounty.gov	Also sent via US Mail to • Mr. & Mrs. Dunn • Cam Nolltemeyer • Michael A. Naoum • Carol Lutness

UWMP –June Hearing & Final Draft Document Notice
CLWA Website

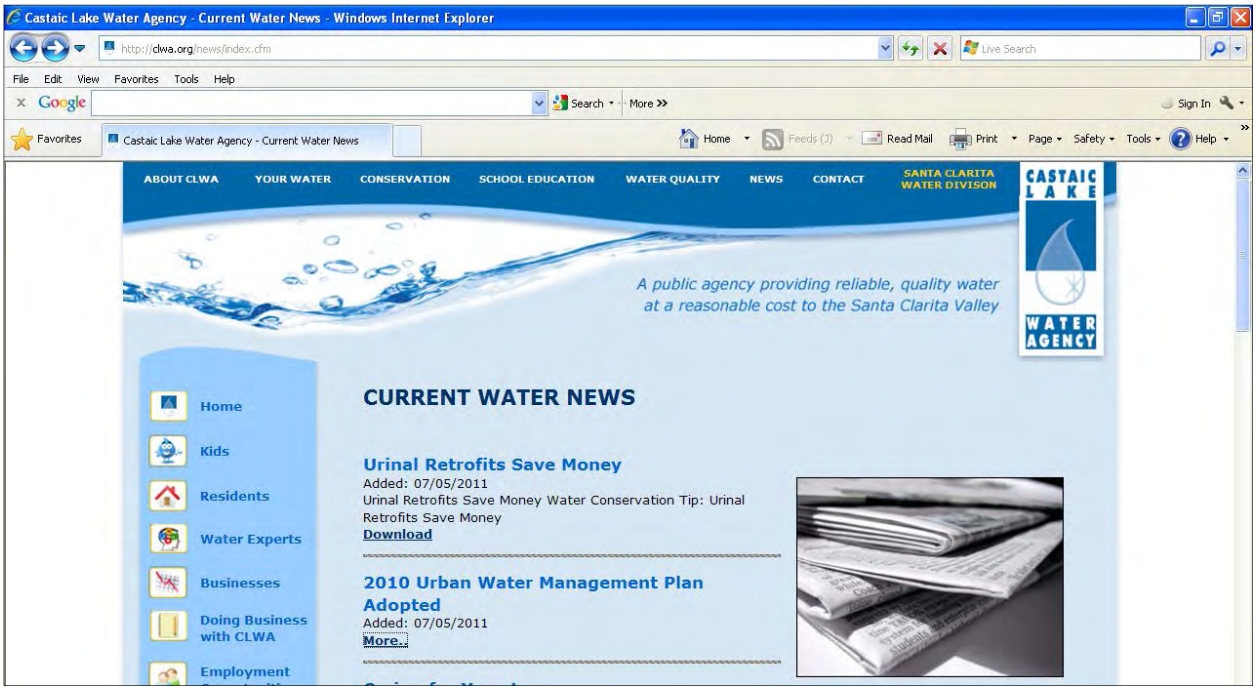


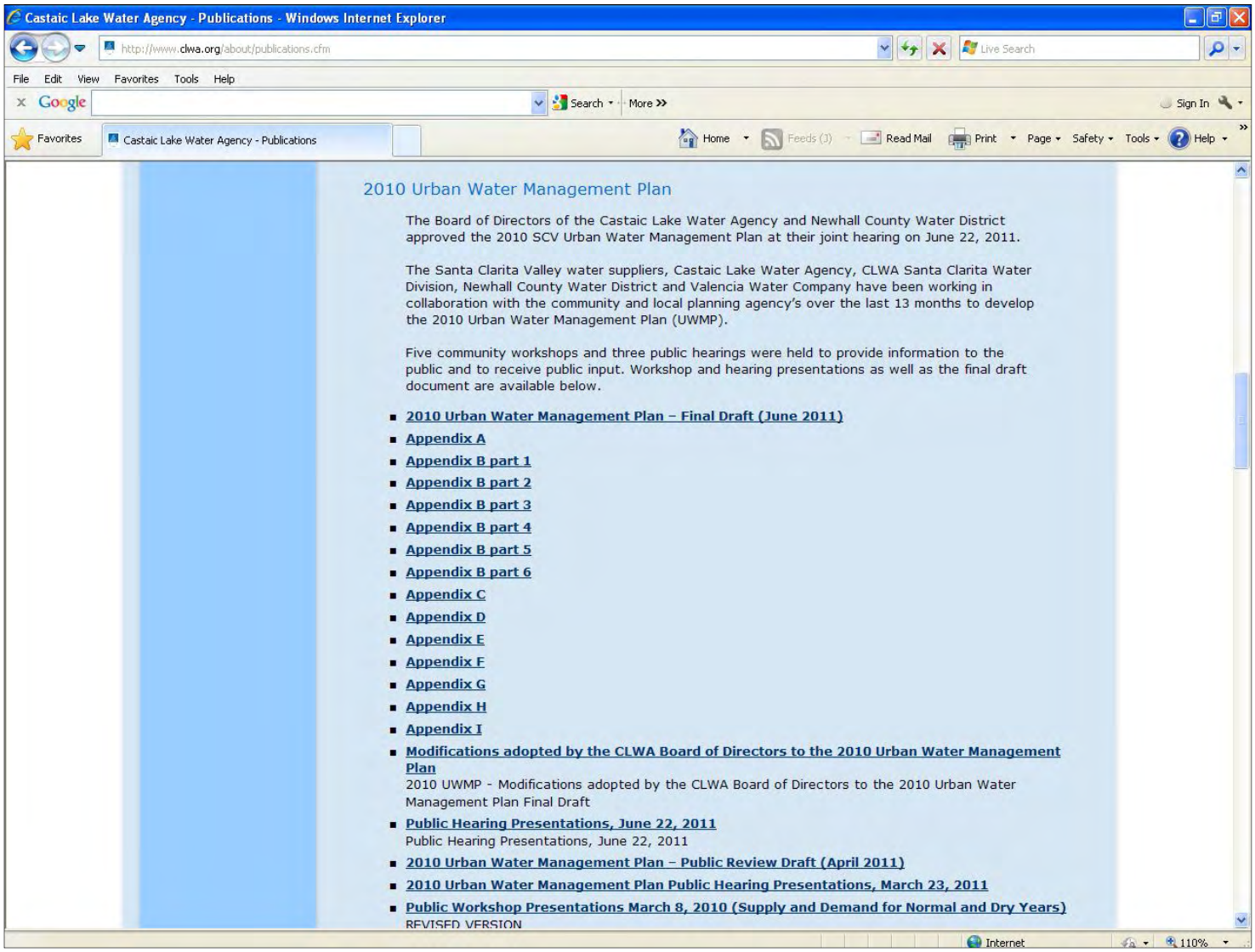


UWMP –June Hearing & Final Draft Document Notice
NCWD Website



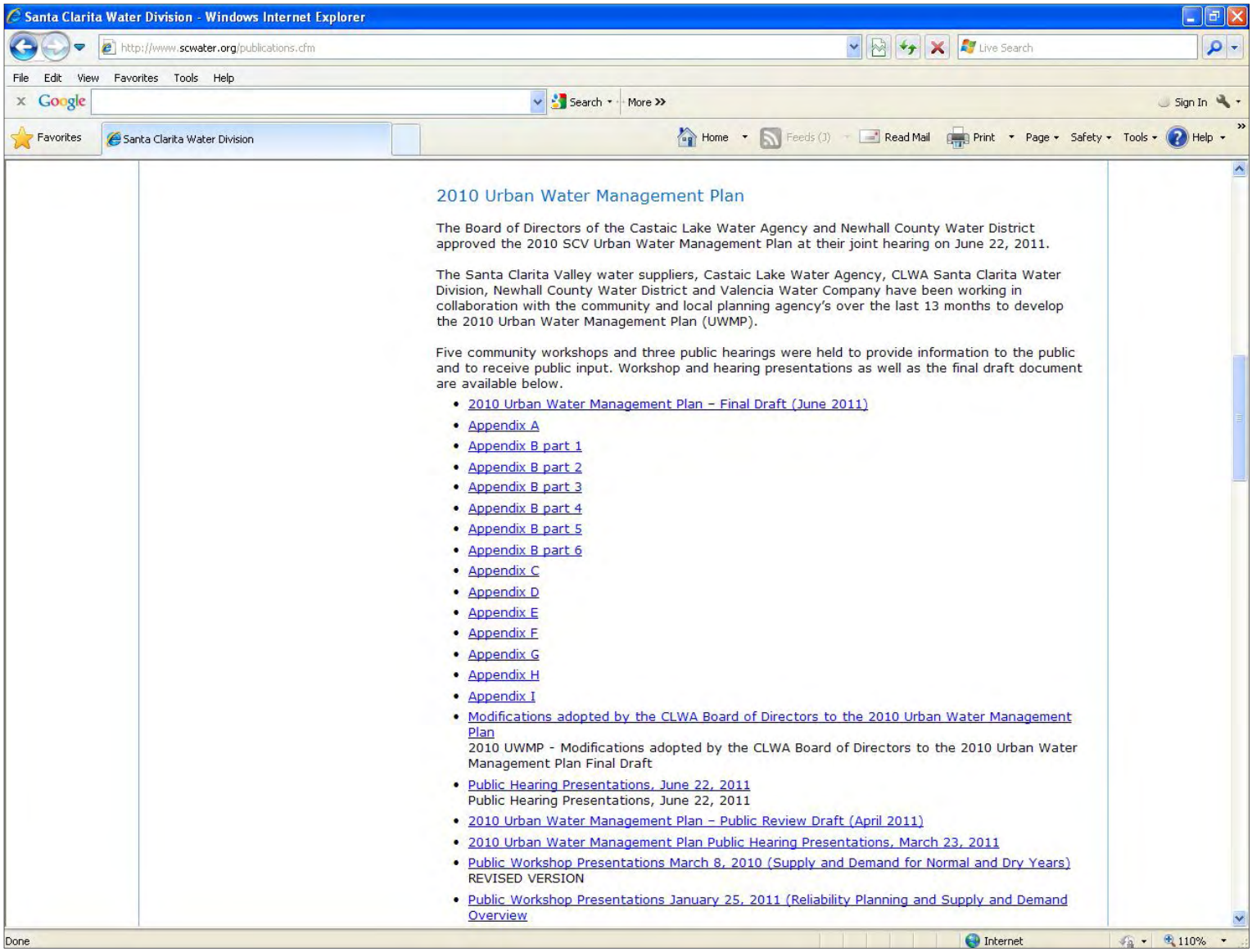
UWMP Adoption Notice
CLWA Website June 2011





2010 UWMP Adoption Notice
NCWD Website
June 2011

2010 UWMP Adoption Notice
SCWD Website
June 2011



NEWHALL COUNTY WATER DISTRICT

NCWD

New Regional Urban Water Management Plan Approved

Santa Clarita Valley Family of Water Suppliers Approve Critical Planning Tool

Santa Clarita, CA –The Boards of Directors of the Newhall County Water District and Castaic Lake Water Agency unanimously approved the 2010 Santa Clarita Valley Urban Water Management Plan at a joint public hearing on June 22, 2010.

"The approval by the two Boards is a testament to the quality of this document and the team that has worked so hard on its preparation," stated Daniel Mortensen, NCWD Board President.

The creation of the Santa Clarita Valley Urban Water Management Plan began in May 2010 and included opportunities for input from our community, water partners, environmental groups, elected officials, business groups and other community stakeholders during the five community workshops and three public hearings that were held on the plan.

"We have gone far beyond the public participation requirements cited in the Urban Water Management Plan regulations to ensure that all residents and interested parties had ample opportunity to participate, comment and weigh in on this important process," stated Tom Campbell, CLWA Board President.

The Urban Water Management Plan presents a picture of the valley's future water situation and describes the long-range water needs of our community and the means to supply the necessary water to the year 2050. Every five years, the water suppliers who deliver in excess of 3,000 acre feet of water or serve over 3,000 connections per year are required by law to prepare an Urban Water Management Plan.

The SCV Family of Water Suppliers partnered in this planning effort to ensure a collaborative planning approach. This plan is not a project-specific document, nor does it take the place of individual project requirements; rather it is a tool that helps guide the local water suppliers' actions and offers a broad perspective on a wide variety of water issues. The plan concludes that the combination of existing and

planned programs to increase supply and conservation will meet the Valley's water needs through 2050.

"I am proud of the tremendous amount of time and work that has been put into the development of this plan by the community, our staff, consultants and my fellow Board members," stated Bill Cooper, CLWA Board Vice President . "Our Urban Water Management Plan serves as the 'gold standard' of planning documents throughout the state and is followed closely for its content and thoroughness."

The final SCV Urban Water Management Plan will be delivered to the State Department of Water Resources before the end of July 2011. The final draft and additional amendments that were made at the recent board meetings are currently available for review online at www.ncwd.org.

Santa Clarita Valley Urban Water Management Plan

Public Hearing
June 22, 2011
Castaic Lake Water Agency

Agenda

- Open public hearing
- Review of public input process and public comment letters
- Public comment period
- Presentation on Groundwater Basin
- Presentations on Perchlorate Restoration, VWC Well 201
- Presentations on Water Banking, SWP reliability, Water Conservation, Chlorides/AWRM
- Board questions and answers
- Description of UWMP document finalization process
- Close hearing and next steps

UWMP Act Process

ACT REQUIREMENTS

- Coordinate preparation of UWMP with other appropriate agencies in the area.
- 60 days notice to city and counties, and may consult with, and obtain comments from, city and counties receiving notice.
- Encourage active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.

ACT REQUIREMENTS EXCEEDED

- Draft Final UWMP, §§1.3.1 & 1.3.3, Table 1-1, pgs 1-3 to 1-8.
- Draft Final UWMP, §1.3.3, Table 1-1, pgs 1-3 to 1-8, Appendix B.
- Five Public Workshops between May 2010 and March 2011; three CLWA/NCWD joint public hearings; written public comment period; written public comment deadline extended; Draft Final UWMP, §§1.3.1 &1.3.3, Table 1-2, pgs 1-3 to 1-8.

UWMP Act Process

ACT REQUIREMENTS	ACT REQUIREMENTS EXCEEDED
Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection.	Draft UWMP has been available since April 15, 2011; Final Draft UWMP, §§1.3.1 & 1.3.3, Table 1-2, pgs 1-3 to 1-8, Appendix B.
One Public hearing.	Three CLWA/NCWD joint public hearings.
Notice of hearing in compliance with Gov. Code § 6066.	Final Draft UWMP, §§1.3.1 & 1.3.3, Table 1- 2, pgs 1-3 to 1-8, Appendix B.

UWMP Act Process

ACT REQUIREMENTS	ACT REQUIREMENTS EXCEEDED
Notice of hearing to any city or county within which the supplier provides water supplies.	Final Draft UWMP, §§1.3.1 & 1.3.3, Table 1-2, pgs 1-3 to 1-8, Appendix B.
After the hearing, the plan shall be adopted as prepared or as modified after the hearing.	June 22, 2011 Joint Meeting and 3rd Joint Public Hearing

Past Workshops

May 2010
- UWMP purposed and process – What, Who, Why and When
- Existing and new requirements of UWMPs

July 2010
- SBX7-7 ("20x2020") Requirements
- Recycled Water
- Groundwater Supplies
- State Water Project Reliability

November 2010 –
- Presentation to IRWMP Stakeholders

Past Workshops (continued)

November 2010
- GPCD population assumptions and calculations
- SBX7-7 Targets by retailer

January 2011
- Overview of water supplies
- SWP reliability update
- CLWA reliability planning update
- SBX7-7 calculations and targets
- Overview of water supplies and demand

March 2011
- Water Supply and Demands

Public Hearings and Draft Document

1st public hearing March 23, 2011
- Public Draft document made available April 15, 2011
- Comment period through May 20, 2011

2nd public hearing May 18, 2011
- Comment period extended through May 27, 2011
- Final Draft document made available June 15, 2011

3rd public hearing June 22, 2011

Comment Letters Received

- Friends of the Santa Clara River
- Santa Clarita resident and Valencia Water ratepayer
- Sierra Club
- Mr. and Mrs. Dunn
- Mr. Naoum
- Mr. Dunn
- Sierra Club
- SCOPE
- Whittaker-Bermite Citizens Advisory Group
- Babak Naficy
- Santa Clarita Valley Fair Elections Committee

Broad Categories of Comments Received

- Groundwater overdraft claims
- Perchlorate and VWC Well 201
- Organic compounds
- Water banking program issues; State Water Project reliability and contingency planning
- Water conservation accounting
- Chloride water quality issues (TMDL/AWRM)

Santa Clarita Valley Urban Water Management Plan

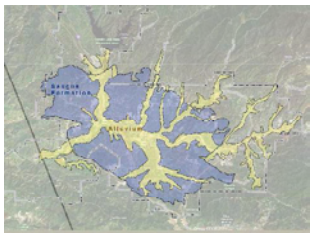
Public Comment Period

Groundwater Supplies and Related Issues, e.g. "Overdraft"

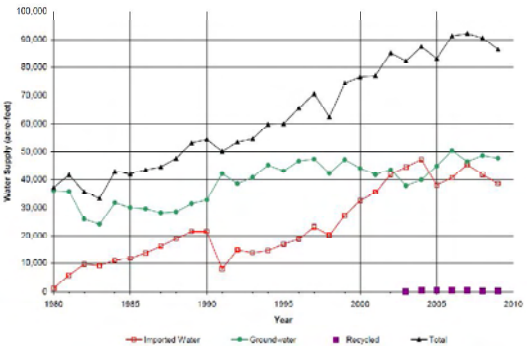
- Joe Scalmanini –
  Luhdorff and Scalmanini, Consulting Engineers

Groundwater Component of Water Supplies

2010 Urban Water Management Plan



• Castaic Lake Water Agency • CLWA Santa Clarita Water Division
• Los Angeles County Waterworks District 36
• Newhall County Water District • Valencia Water Company



LUHDORFF & SCALMANINI CONSULTING ENGINEERS

Figure 2-1
Total Water Supply Utilization
Santa Clarita Valley

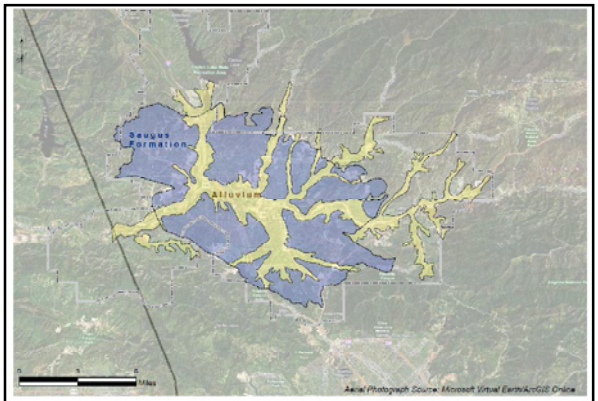


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Figure 3-1
Alluvium and Saugus Formation

Groundwater Management Plan (2003)

Management Objectives (Goals) for the Basin

- Development of integrated surface water, groundwater, and recycled water supply to meet existing and projected uses
- Determination of operational groundwater yield to avoid overdraft = sustainability
- Preservation of groundwater quality, including solution of contamination problems
- Preservation of interrelated surface water resources = maintenance of surface water flows and non-degradation of quality

Groundwater Management Plan (2003)

Elements

- Groundwater monitoring
- Surface water monitoring
- Basin yield analysis
- Regular and dry year water supplies
- Continued conjunctive use
- Long-term salinity management
- Integration of recycled water
- Mitigate contamination
- Local, state and federal relationships
- Public education and water conservation
- Recharge wellhead protection areas
- Well construction and destruction policies
- Provisions to add additional components

Annual Water Reports (1998-present)

Annual Water Requirements and Supplies

- Actual water use
- Sources of supply to meet actual use

Groundwater

- Alluvial and Saugus aquifer conditions

Supplemental Water Supplies

- State Water Project
- banking and other programs

Water Quality

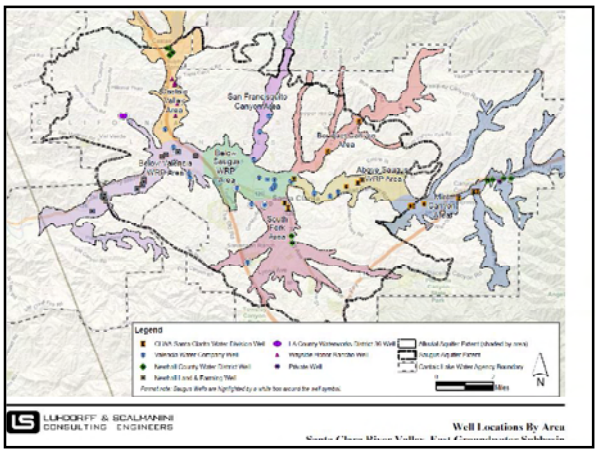
Recycled Water

Santa Clara River

- Outflows from Santa Clarita Valley

Short-Term (one year) Outlook

- Water requirements adjusted from UWMP
- Surface water, groundwater and recycled water supplies
- Adequacy of water supplies



Well Locations By Area

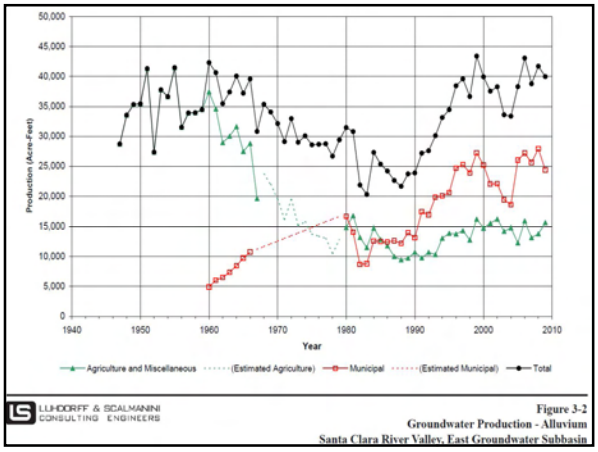


Figure 3-2
Groundwater Production - Alluvium
Santa Clara River Valley, East Groundwater Subbasin

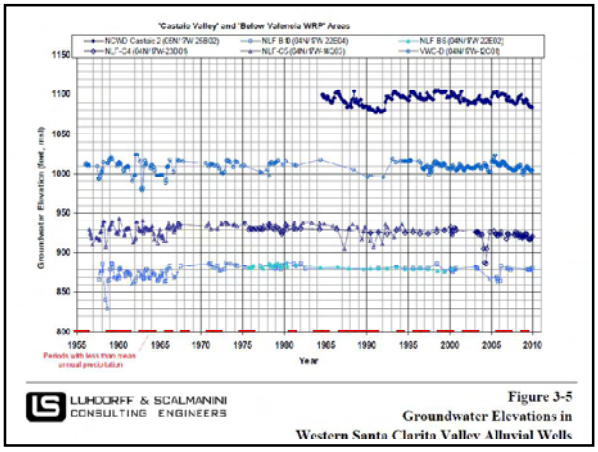


Figure 3-5
Groundwater Elevations in
Western Santa Clarita Valley Alluvial Wells

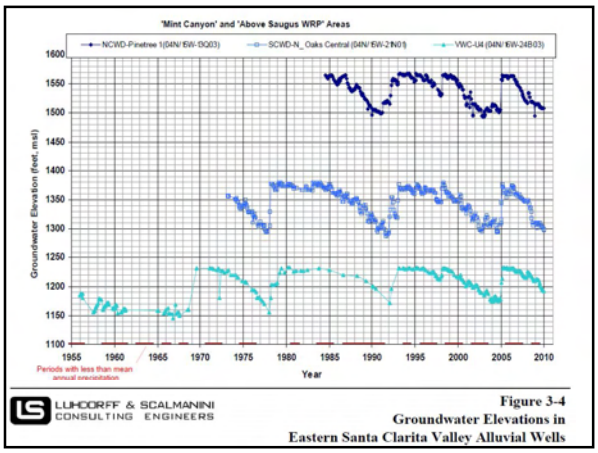
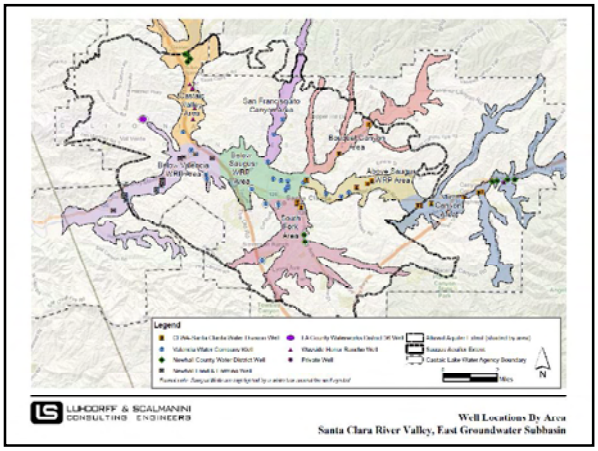


Figure 3-4
Groundwater Elevations in Eastern Santa Clarita Valley Alluvial Wells



Well Locations By Area
Santa Clara River Valley, East Groundwater Subbasin

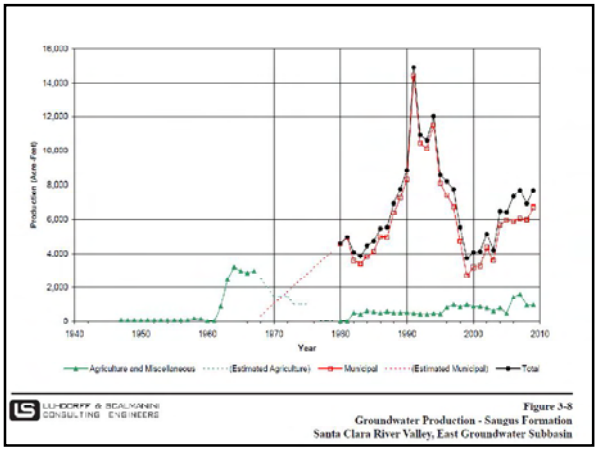


Figure 3-8
Groundwater Production - Saugus Formation
Santa Clara River Valley, East Groundwater Subbasin

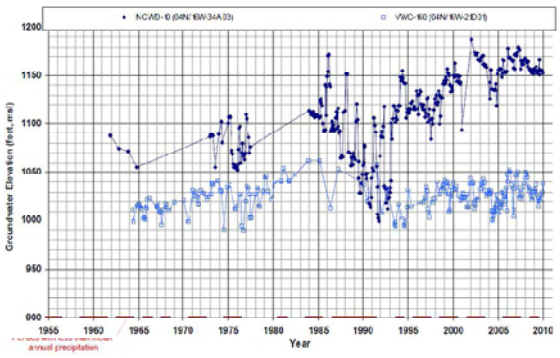


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Figure 3-9
Groundwater Elevations in Saugus Wells

Total Groundwater Supply Santa Clarita Valley

	Normal Years		
	Alluvium (afy)	Saugus Fm. (afy)	Total (afy)
Municipal Purveyors	25,850	11,485	37,335
Agriculture & Others	12,750	1,000	13,750
Total	**38,600**	**12,485**	**51,085**

	Multiple Dry Years		
	Alluvium (afy)	Saugus Fm. (afy)	Total (afy)
Municipal Purveyors	23,800-22,250	18,125-33,975	41,975-56,225
Agriculture & Others	12,700-12,600	1,000	13,700-13,600
Total	**36,500-34,850**	**19,125-34,975**	**55,675-69,825**

2008 Groundwater Operating Plan

Groundwater Pumping 2010 UWMP				
Aquifer	**Normal Years**	**Dry Year 1**	**Dry Year 2**	**Dry Year 3+**
Alluvium	30,000-40,000 (38,600)	30,000-35,000 (36,500)	30,000-35,000 (34,850)	30,000-35,000 (34,850)
Saugus	7,500-15,000 (12,485)	15,000-25,000 (19,125)	21,000-25,000 (25,227)	21,000-35,000 (34,977)

from 2009 Basin Yield Update (LSCE & GSI), following 2001 Groundwater Update Report (Slade) & 2005 Basin Yield Analysis (CH2M Hill & LSCE)

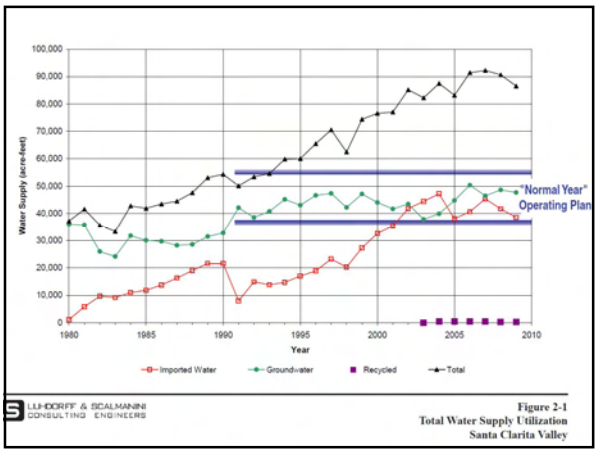


Figure 2-1
Total Water Supply Utilization
Santa Clarita Valley

Sustainability and Achievability

Sustainability

" lack of chronic, or sustained, depletion of groundwater storage, as indicated by projected groundwater levels, over a reasonable range of wet, normal, and dry hydrologic conditions" (86 years: 1922-2007)

"maintenance of surface water flows in the western portion of the basin (which are partially maintained by groundwater discharge) and surface water outflow to downstream basins over the same range of hydrologic conditions"

Achievability

maintenance of groundwater levels above, or only temporarily slightly into, the intake (screened or perforated) sections of production wells

from 2009 Basin Yield Update (LSCE & GSI)

2008 Operating Plan Conclusions

Operating Plan is fully sustainable (no chronic groundwater level declines; no depleted stream flow), i.e. not overdraft, and mostly achievable (limited dry-period declines in eastern part of Valley)

Lack of any projected overdraft is consistent with actual historical basin response to the same range of groundwater pumping

Achievability issues in extended dry periods can be resolved by redistribution of some pumping to the west

- with redistribution, retain dry-period Alluvial pumping near 35,000 afy
- without redistribution, dry-period Alluvial pumping closer to 30,000 afy

Subsidence

In alluvial aquifers, results from "aquitard drainage" and resulting consolidation of the "aquitard"

- requires extensive, thick aquitard (fine-grained sediments, i.e. clay bed)
- requires chronically depressed groundwater levels (to allow clay to drain)

Santa Clarita Valley Alluvium

- up to 240 ft. thick, but lacking any extensive, thick aquitard => geology not conducive to subsidence, regardless of groundwater levels
- some near-constant and some fluctuating groundwater levels, but no chronically depressed groundwater levels anywhere => hydrology not conducive to subsidence.

No physical evidence of subsidence, e.g. lowering of land surface.

Small Private Pumping

Limited submittal of pumping-related data, approx. 5-6 years ago, for two tributary canyons; quantified less than 200 afy

No information submitted about well completions, e.g. whether in Alluvium or bedrock, pump capacities, water level records

No information about well failures, e.g. "going dry"

Extrapolated limited pumping data to conservatively estimate 500 afy of basin-wide small private pumping; included in Annual Water Report

Reported, and continue to expect, all private Alluvial wells to experience the same groundwater level fluctuations as monitored and reported in Annual Water Report

Monitoring

CA Health and Safety Code, Title 22

- Domestic Water Quality and Monitoring
- Waterworks Standards

CA Dept of Public Health

- Domestic Water Supply Permits
- Application of Health & Safety Code and DPH Policies

Santa Clarita Valley Purveyors

- Permitted and regulated as above
- In compliance with above for quantity and quality of water supplies

Perchlorate Treatment

- Groundwater Quality
  - Perchlorate treatment and restoration

Perchlorate

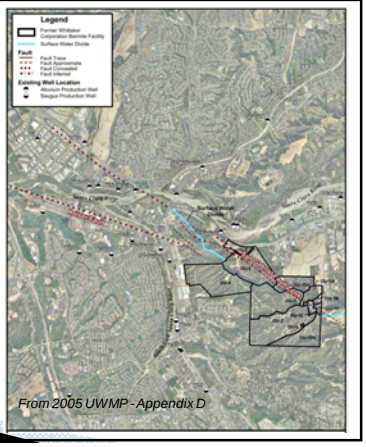
Year Perchlorate Detected	Purveyor Well	Groundwater Aquifer	Status
1997	SCWD Saugus 1	Saugus	DPH approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment.
1997	SCWD Saugus 2	Saugus	DPH approved wells return to service in January 2011; well in active service utilizing approved perchlorate treatment.
1997	VWC Well 157	Saugus	Sealed and capacity replaced by new well.
1997	NCWD Well 11	Saugus	Out of service
2002	SCWD Stadium Well	Alluvium	Sealed and capacity replaced by new well.
2005	VWC Well Q2	Alluvium	DPH approved perchlorate treatment removal in 2007; treatment was installed in 2005 and relocated for potential future use; well remains in service.
2005	DTSC approved Interim Remedial Action Plan		
2006	NCWD Well NC-13	Saugus	DPH approved annual monitoring, results have always been below the detection limit for reporting; well remains in service.
2007	Settlement Agreement		
2010	VWC Well 201	Saugus	Out of service pending additional monitoring and evaluation of remediation alternatives.

Rapid Response Fund provides $10M in reimbursement funds to CLWA as fail-safe.

Perchlorate Impact

Valencia Water Company
Well 201

Site Location -- Former Whittaker Bermite Facility



From 2005 UWMP - Appendix D

Perchlorate Concentrations

Initial Detection (August, 2010) 5.0 ug/l
- well removed from water supply service

Quarterly/Monthly Confirmation Sampling (November, 2010–April, 2011) fluctuations between 5.7 and 12 ug/l

Logical Occurrence or Completely Unexpected?

Initial Perchlorate Contamination in Saugus Wells - 1997
- Saugus 1 & 2; V 157; NCWD 11

Groundwater Flow
- westerly gradient and flow direction – pre-1997 to 2010

Gradient Control = "Containment" via Restoration of Saugus 1 & 2
- modeled – 2004
- permitting, litigation, Settlement Agreement – 2007
- design, construction – 2010
- DPH water supply permit – 2010
- start-up operations – 2010
- full-time operation – January 2011

Valencia 201
- first down-gradient Saugus well from original impacts
- 13-year elapsed time from initial impacts to V 201 impact
- listed as "threatened" well in Settlement Agreement
- while not a foregone conclusion, detection is a logical occurrence, and not completely unexpected

Water Supply Impact

Recent Operations
- capture zone analysis – 2004
- reduced pumping to avg. 180 afy – 2004-2010
- replaced pumping with other Saugus well capacity

Saugus Formation
- 7,500 – 15,000 afy "normal year" water supply
- 15,000 – 35,000 afy "dry year" water supply

V 201
- key well in dry years
- 3,777 afy of total "dry year" water supply
- capacity needs to be restored before next potential dry year, i.e., within two years

V 201 Response

Removed from Water Supply Service at Initial Detection (August, 2010)

Quarterly-Monthly Confirmation Sampling

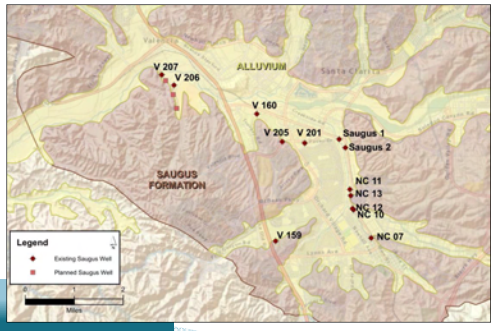
Alternatives
- restoration with "wellhead" treatment
- well replacement

Groundwater Modeling
- perchlorate migration
- need for secondary "containment"
- updated assessment of "threatened" wells

Dept. of Public Health Permitting

Design and Construction

Existing and Planned Saugus Well Locations



Organic Compounds

- Volatile and Synthetic Organic Compounds
  - Trichloroethylene (TCE) and Tetrachloroethylene (PCE)
    - Cleaning solvents, legacy contamination, urban stormwater runoff, septic systems
- CLWA annually monitors for these compounds;
  - TCE was found below the MCL in trace levels in groundwater in the Valley.
  - Not currently affecting production or needing treatment.

Water Banking Program Terms

Water Banking Programs

Banking Program	Extraction Capacity (AFY)	Contract Term
Rosedale Rio-Bravo	20,000	Through term of SWP contract
Semitropic interim programs	15,000	Through 2012/13 originally; through 2022/23 with Amendment
Semitropic – Newhall Land	4,950	Through 2035 with renewal by mutual agreement

State Water Project Reliability Comment Areas

- Supply Reliability
- Facility Reliability
- SWP and West Branch Conveyance
- Catastrophic Supply Interruption

SWP Supply Reliability

- Supply data from DWR's 2009 SWP Delivery Reliability Report.
- Based on model studies using 82 years of historical hydrology (1922 – 2003).
- Historical period includes several significant drought periods.
- Estimate for future (2029) includes adjustments to hydrology to reflect climate change.

SWP Facility Reliability

- Past SWP outages have been short-term (typically weeks in duration).
- Longest West Branch outage was planned three-month winter outage (Dec 1998 – Feb 1999).
- CLWA ideally located immediately downstream of two large SWP reservoirs – Pyramid and Castaic Lakes.
- Location allows deliveries to continue to CLWA and other West Branch Contractors even with outage in aqueduct upstream.
- No past SWP outages have impacted deliveries to CLWA.
- Potential supply impacts of future outage evaluated in UWMP Section 8.

SWP Conveyance

- SWP facilities are owned by State and operated by DWR.
- West Branch facilities, including aqueduct and Pyramid and Castaic Reservoirs, are part of SWP.
- CLWA and 28 other SWP Contractors each have a Water Supply Contract with DWR for water supply and delivery, with similar terms.
- Water Supply Contract:
  - Dictates terms for water delivery.
  - Provides for delivery of SWP water, supplies to and from out-of-service area banking programs, and non-SWP water.

SWP Conveyance (cont.)

- Each SWP Contractor has same priority for delivery within proportion of aqueduct capacity they pay for.
- Deliveries in excess of that capacity may be made through unused capacity of other Contractors.
- DWR requires separate delivery agreements for Contractor programs needing delivery through SWP facilities.
- CLWA has agreements with DWR for deliveries to and from its San Joaquin Valley banking programs and for delivery of its Buena Vista-Rosedale supply.

West Branch Conveyance

- DWR controls deliveries to each of three West Branch Contractors (CLWA, MWD, Ventura Co WPD).
- In dry years when SWP supplies are low, capacity normally used to convey SWP water is available to deliver other supplies.
- CLWA withdrawals from banking programs are planned only for dry years, when capacity would be available to convey it.

Catastrophic Supply Interruption

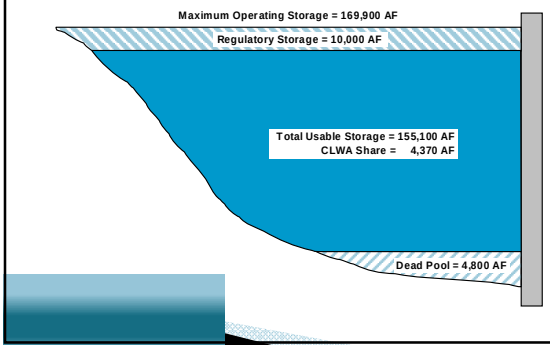
- Three SWP emergency outage scenarios considered:
  - Levee breach in Delta
  - California Aqueduct in San Joaquin Valley
  - West Branch Aqueduct
- Worst-case outage: West Branch Aqueduct
  - No SWP or other supplies through aqueduct
  - No supplies from groundwater banking in San Joaquin Valley

Catastrophic Supply Interruption

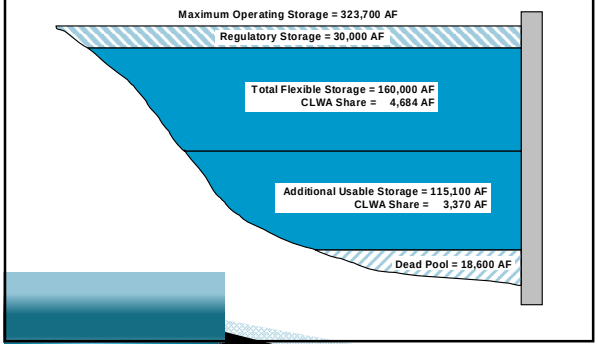
Outage assumptions:

- Six-month outage
- Occurs in normal/average year
- Supplies limited to:
  - Local Supplies
    - Groundwater
    - Recycled water
  - CLWA share of storage in West Branch reservoirs
    - Flexible storage
    - Emergency storage

Pyramid Lake Storage



Castaic Lake Storage



Six-Month West Branch Aqueduct Outage: Water Supplies and Demand (AF)

Water Supply Sources	2015	2020	2035	2050
Local Supplies				
Existing Supplies				
Groundwater	22,200	22,200	22,700	22,700
Recycled Water	120	120	120	120
Planned Supplies				
Future Groundwater	1,900	7,350	8,850	10,350
Recycled Water	370	1,020	3,850	7,870
Total Local Supplies	**24,590**	**30,690**	**35,520**	**41,040**
SWP West Branch Storage Available				
SWP Flexible Storage Accounts	6,060	4,680	4,680	4,680
Emergency Storage				
Pyramid Lake	4,370	4,370	4,370	4,370
Castaic Lake	3,370	3,370	3,370	3,370
Total West Branch Storage	**13,800**	**12,420**	**12,420**	**12,420**
Total Local Supplies and West Branch Storage	**38,390**	**43,110**	**47,940**	**53,460**
Demands				
Total Demand w/o Conservation	40,035	44,242	56,863	69,484
Total Demand w/ Conservation	**36,172**	**35,954**	**48,447**	**60,939**
Additional Supply and/or Conservation Required	**-**	**-**	**507**	**7,479**
As Percent of Demand	0%	0%	1%	11%

SBX7-7 Calculations and Water Conservation Accounting

SBX7-7 Calculations

- All values reported in UWMP by purveyors are required in statute passed in late 2009
- Methodologies developed through a DWR public committee process also required in statute; Kennedy/Jenks is a committee member
- Demand reduction targets calculated for each retail purveyor
- Purveyors may reach targets by combination of water conservation and recycled water programs

Water Conservation Accounting

- Estimates of future savings made by reviewing a wide variety of water conservation measures and programs, and then applying industry-accepted savings factors to them
- Saving factors are determined by in-depth technical studies, mainly done by the California Urban Water Conservation Council (CUWCC) and the American Waterworks Association
- CUWCC reports all savings calculations for its signatory agencies to SWRCB annually
- Detailed SCV Water Use Efficiency Strategic Plan is implementation plan for demand reductions

SBX7-7 Calculations and Water Conservation Accounting

- Document website links
  - SBX7-7 Methodologies: http://www.water.ca.gov/wateruseefficiency/sb7/committees/urban/u3/
  - CUWCC SWRCB Report: http://www.cuwcc.org/about/annual-reports
  - SCV Water Use Efficiency Strategic Plan: http://www.scvh2o.org/ http://www.clwa.org/about/publications.cfm

Chlorides/AWRM

- Imported Water Quality
  - Chloride TMDL
  - Alternative Water Resources Management Program (AWRM)
  - SWP Water Quality Modeling

Chlorides (continued)

- Imported Water Quality
  - Chloride TMDL (2005) – 100 mg/L from Saugus/Valencia WRPs
- Alternative Water Resources Management Program (AWRM) (2008)
  - Established conditional site specific objectives for chloride;
  - Provides water quality and water supply benefits, and protects biological resources;
  - SWP Water Quality Modeling

Santa Clarita Valley Urban Water Management Plan

Directors' Question and Answer Period

Santa Clarita Valley
Urban Water Management Plan

Next Steps

Consultant Team Resumes
Public Outreach Record

2010 Santa Clarita Valley
Urban Water Management Plan

Lynn M. Takaichi, P.E.

Chairman

Education

MS in Civil Engineering (Sanitary), University of California, Berkeley, 1972
BS in Civil Engineering, University of California, Berkeley, 1971
Special Study in Environmental Impact Assessment, University of California
Study in City and Regional Planning, University of California
Study in Water Resources Planning Civil Defense Preparedness Agency, Certificate of Achievement in Multi-Protection Design, University of Hawaii

Registration

Civil Engineer in California

Professional Summary

Mr. Takaichi is responsible for major planning and design projects, particularly assignments involving complex institutional and financial arrangements. He has directed a wide range of water projects including water resource studies, water system master plans, water treatment investigations, water facilities design and utility management plans. In addition, he has managed the preparation of numerous environmental impact assessments.

Mr. Takaichi has particular expertise in complex institutional arrangements and he works closely with specialized legal counsel, financial consultants, and water managers. His experience includes water agency formation, drafting of enabling legislation, negotiation of water supply and water service agreements, development of annexation policies and agreements, and management of a wide variety of water programs. He also has expertise in water system appraisals and has assisted numerous public agencies with the acquisition of investor-owned utilities.

Water Demand Models

- Comprehensive water system plan update for the Lakehaven Utility District.
- Modeling of water and reclaimed water systems for the Cambria Community Services District.
- Comprehensive water system master plan update for the City of Oxnard.
- Comprehensive water plan and capital improvement program ($380 million) for the Castaic Lake Water Agency.
- Water master plan for the City of Chino.
- Water Supply Reliability Plan Update and Optimization Model for the Castaic Lake Water Agency.
- Integrated Regional Water Management Plan for the Antelope Valley for the County of Los Angeles.
- Water Demand Model for the Mojave Water Agency.

Water Resource Studies

- Water Supply Reliability Evaluation for the San Gorgonio Pass Water Agency.
- Strategic planning consultant for local water resources development for the Los Angeles Department of Water & Power.

- Expert witness for water rights valuation for Squaw Creek Resort.
- Integrated Regional Water Management Plan for the Antelope Valley for the County of Los Angeles.
- Water Supply Reliability Plan Update and Optimization Model for the Castaic Lake Water Agency.
- Alternative Water Management Plan for the Santa Clara River for the Los Angeles County Sanitation Districts.
- Negotiation of numerous water transfer and exchange agreements for public and private clients.
- Evaluation of potential water marketing concepts at Lake Elizabeth for Ridgetop Ranch Properties.
- Peer review of SB 610/221 Water Supply Assessment for the Centennial Development (27,000 homes).
- Numerous groundwater evaluations and groundwater management plans.
- Preparation of numerous urban water management plans. Among these are plans for the Antelope Valley, Castaic Lake Water Agency, Hi-Desert Water District, City of Oxnard, City of Santa Paula, and Twentynine Palms Water District.
- Feasibility Evaluation of Alternative Spreading Facilities at the Cucamonga Spreading Grounds for the San Antonio Water Company.
- Evaluation of water banking requirements (Water Supply Reliability Plan) for the Castaic Lake Water Agency.
- Strategy Development for the Santa Ana River Recharge Facilities for the San Bernardino Valley Water Conservation District.
- Water resource evaluation of the Antelope Valley.
- West Ventura County water supply reliability study for the cities of Ventura and Oxnard.
- Water Resources Plan for the Cambria Community Services District.
- Concept Plan for the restoration of the Santa Rosa Basin for the Camrosa Water District.
- McGrath Lake preliminary watershed study for the McGrath State Beach Area Trustee Council.
- Water production alternatives study for the City of Camarillo.
- Evaluation of supplemental water supplies for the Nipomo Community Services District.
- Baseline water supply study for the Cambria Community Services District.
- Preliminary evaluation of the potential use of freeway dewatering water as a water supply for the City of Downey.
- Water resources study for the City of Santa Paula.
- Water Resources Element (LA County) of the Santa Clara River Enhancement and Management Plan for the Castaic Lake Water Agency.
- Optimization study of state water importation into Ventura County.
- Evaluation of potential water resources for the Hidden Valley Municipal Water District.
- Water resources evaluation and environmental assessment of 200,000 acres in Hawaii for the Soil Conservation Service.

Affiliations

American Society of Civil Engineers
American Water Works Association
National Society of Professional Engineers
Society of American Military Engineers
Water Environment Federation

National Association of Corrosion Engineers

Publications

Levi Brekke, Milton D. Larsen, Mary Ausburn, and Lynn Takaichi. 2002. *Suburban Water Demand Modeling Using Stepwise Regression.* Journal – American Water Work Association, October 2002.

Mary Lou Cotton, C.C.P.

Technical/Policy Advisor and QA/QC

Education

MS, Geological Sciences, University of Southern California
BS, Biological Sciences, University of Southern California

Registrations

Certified Water Conservation Practitioner, AWWA-CA/NV

Affiliations

California Urban Water Conservation Council
American Water Works Association, Water Conservation Certification Committee
Association of California Water Agencies, Water Use Efficiency and Communications Committees

Professional Summary

Mary Lou Cotton is a water resources planning and water conservation expert, with over 17 years of management experience with water agencies statewide, specifically in conducting water resource planning and management programs including surface water and groundwater investigations; water transfer, banking and exchange transactions and agreements; water conservation planning and management; master planning and design studies; water quality and hazardous waste investigations; and supporting the preparation of CEQA Compliance documents and obtaining project permits. Ms. Cotton is working in an advisory capacity for several clients on a wide variety of water banking (supply reliability) programs, as well as water transfers or exchanges for short-term and long-term water supplies. In addition, Ms. Cotton assists the State Water Contractors in an advisory capacity on Bay-Delta matters and is also serving as the General Manager of the State Water Project Contractors Authority.

Ms. Cotton has served on the California Urban Water Conservation Council for over a dozen years, as representative for Council members Kern County water Agency, Castaic Lake Water Agency and now Kennedy/Jenks Consultants. She has served on the Council Steering Committee for eight years, and is currently Secretary/Treasurer of the organization; this experience has made her extremely familiar with the requirements of the Memorandum of Understanding Regarding Urban Water Conservation in California (MOU). Ms. Cotton is also a member of the Association of California Water Agencies Water Use Efficiency and Communications Committees. She is an AWWA registered Level 1 Water Conservation Practitioner and currently serves on the AWWA Water Conservation Certification Committee.

This wide experience has made Ms. Cotton an expert on all aspects of California water management policy and practice. She has participated in numerous high-level efforts regarding water conservation in California, including the CALFED Bay-Delta Program Water Use Efficiency advisory committee and the Department of Water Resources Urban Water Management Plan guidebook advisory committee, and has worked on various pieces of conservation-related legislation. In addition, she has served on numerous CUWCC project advisory committees and participated in the 1997 and 2008 revisions of the MOU.

Project Experience

2010 Urban Water Management Plan Update, Castaic Lake Water Agency, Santa Clarita, CA. Project Manager for preparation of the 2010 regional Urban Water Management Plan (UWMP), which is being completed on behalf of CLWA and its four retail purveyors. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. The UWMP also includes an evaluation of the various alternative water management strategies and supplies available to the Valley and based on the evaluation, will recommend water supply strategies.

2010 Urban Water Management Plan Update, Mojave Water Agency, Apple Valley, CA. QA/QC. Kennedy/Jenks is currently providing planning services to product Mojave Water Agency's (MWA) 2010 UWMP with particular focus on Best Management Practices (BMPs) and new regulations. A State Water Project contractor, MWA's plan is to be completed in cooperation with numerous retailers from within their service area. This update will also include analysis of the various agencies' water conservation programs status for the purposes of evaluating compliance with AB 1420 and SBX7, in coordination with the local Alliance for Water Awareness and Conservation.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. QA/QC for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Urban Water Management Plan Update for Improvement District 4, Kern County Water Agency, Bakersfield, CA. Project Manager for preparation of the 2010 regional UWMP, for the Kern County Water Agency's (KCWA) Improvement District No. 4 (ID4), which represents the urban portion of KCWA's State Water Project wholesale service area. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan Update, Port Hueneme Water Agency, Port Hueneme, CA. QA/QC for preparation of the Agency's 2010 UWMP update, which will include 25 years of water supply/demand analysis, new legislative requirements, water supply demand forecasting, Demand Management Measures review and analysis, and contingency planning.

2010 Urban Water Management Plan Update, City of Port Hueneme, CA. QA/QC for update of the City's 2010 UWMP. Project included review of the City's existing and future water supplies and demands, water supply reliability, summary of current conservation measures, an evaluation of recommended conservation measures, and an implementation plan.

2010 Urban Water Management Plan Update, San Bernardino Valley Municipal Water District, San Bernardino, CA. QA/QC for update of the District's 2010 UWMP with particular focus on Best Management Practices (BMP's) and new regulations. The work will also include coordination with California Department of Water Resources reviews and approvals.

2010 Urban Water Management Plan, Lake Arrowhead Community Services District, Lake Arrowhead, CA. Project Manager for production of this retail water purveyor's 2010 UWMP update.

2010 Urban Water Management Plan, North of the River Municipal Water District and Oildale Mutual Water Company, Kern County, CA. QA/QC for preparation of the 2010 UWMP update for Kern County Water Agency Improvement District No. 4's (ID4) participating retail purveyors, North of the River

Municipal Water District and Oildale Mutual Water Company. The UWMP update will provide information on ID4's wholesale service area and operations and will include data and information about the ID4 retail purveyor service areas and operations. The UWMP update will also include information on ID4 retail purveyor service areas that recover groundwater within ID4.

2010 Urban Water Management Plan, City of Ventura, CA. Project Manager for production of the City's 2010 UWMP update. The water supply analysis includes local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan, Central Coast Water Authority, Ventura County, CA. Currently providing QA/QC and third-party technical review for the CCWA's 2010 UWMP update.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. QA/QC for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

Water Use Efficiency Master Plan, Western Municipal Water District, Riverside County, CA: Project Manager. In concert with the growing emphasis on water use efficiency programs, WMWD commissioned the preparation of a Water Use Efficiency Master Plan to comprehensively address the long term use of water resources within their service area by adopting objectives, policies and programs designed to promote innovative emerging technologies and practices, as well as proven and cost-effective conservation measures. Ms. Cotton managed and authored several sections of the Plan, conducted an evaluation of water conservation measures through development of a weighted scoring matrix, and reviewed and assisted in the production of the Master Plan.

Water Conservation Master Plan, City of Riverside, Riverside County, CA: Technical Advisor & QA/QC. Recently selected for the preparation of a Water Conservation Master Plan to comprehensively address the long term use of water resources within the City's service area by adopting objectives, policies and programs designed to promote innovative emerging technologies and practices, as well as proven and cost-effective conservation measures.

Integrated Water Resources Management Plan (IWRMP), Western Municipal Water District, Riverside, CA: Project Team Member. Preparation of an integrated water resources plan for the Western Municipal Water District and retail agencies within the District (Riverside County). Project involved assistance to, and coordination of, a six member management group and approximately 20 stakeholders. Developed materials for stakeholder education, assisted with identification of water management objectives, and evaluation of projects put forth by stakeholders for consistency with objectives, financial feasibility, and compliance with State mandated requirements.

Upper Santa Clara Integrated Water Resources Management Plan, County of Los Angeles, CA: Project manager for the preparation of an integrated water resources plan for the Upper Santa Clara River Region (Los Angeles County). Project involves assistance to, and coordination of, an eight member management group and approximately 30 stakeholders. Develop materials for stakeholder education,

assist with identification of water management objectives, and evaluate projects put forth by stakeholders for consistency with objectives, financial feasibility, and compliance with State mandated requirements.

Hollister Area 2008 Urban Water Management Plan, Sunnyslope County Water District, City of Hollister, San Benito County Water District, CA. Provided QA/QC for a collaborative Urban Water Management Plan (UWMP) Update by the Sunnyslope County Water District (Sunnyslope), City of Hollister (City), and the San Benito County Water District (District). The latest amendment to the Plan incorporates a water shortage contingency plan, alternative water conservation measures and water reclamation programs.

Experience Prior to Kennedy/Jenks

Castaic Lake Water Agency, Water Resources Manager, Santa Clarita, CA. At the direction of the General Manager, work consisted of managing all aspects of the Agency's water resources projects, specifically dealing with water supply issues at the state and local levels. Prepared, facilitated, reviewed and submitted all water sale/transfer contracts, various agreements, and attendant resolutions to the Agency's Board of Directors and the Department of Water Resources. Prepared all documentation and conducted negotiations for three separate groundwater banking projects. Prepared in-house technical reports and other materials, including overseeing the production of the Agency's Urban Water Management Plan. Served in scientific advising capacity in reviewing all environmental regulatory documentation, particularly in regard to CEQA requirements, including consultant reports and other scientific documents. Served as the Agency's Water Conservation Coordinator; responsible for implementation of water conservation Best Management Practices as contained in the Memorandum of Understanding of the California Urban Water Conservation Council. Responsible for the Agency's public information program and oversee all its aspects. Represented the Agency on various committees, including several State Water Contractors standing committees, the California Urban Water Conservation Council Steering Committee, and the Association of California Water Agencies Communications and Program Committees.

Castaic Lake Water Agency, Assistant to the General Manager, Santa Clarita, CA. Worked at the direction of the General Manager, specifically dealing with water supply issues at the state and local levels. Prepared, facilitated, reviewed and submitted water sale/transfer contracts, various agreements, and attendant resolutions to the Agency's Board of Directors. Served in scientific advising capacity in reviewing environmental regulatory documentation, particularly in regard to the CALFED Bay-Delta Program; environmental impact reports; consultant reports and other scientific documents. Served as the Agency's Water Conservation Coordinator; responsible for implementation of water conservation Best Management Practices as contained in the Memorandum of Understanding of the California Urban Water Conservation Council. Responsible for the Agency's public information program. Prepared, compiled, wrote, and edited the Agency's quarterly newsletter and other Agency public information materials. Prepared in-house technical reports and other materials, including the Agency's Urban Water Management Plan. Represented the Agency on various committees, including several State Water

Contractors standing committees and the Association of California Water Agencies Communications and Program Committees.

Kern County Water Agency, Water Resources Planner, Bakersfield, CA. Attached to the Agency's Water Resources Department, specifically dealing with water supply issues, at both the state and local levels. Prepared, facilitated, reviewed and submitted water sale/transfer contracts, various agreements, and attendant resolutions to the Agency's Board of Directors. Served in scientific advising capacity in reviewing environmental regulatory documentation, particularly in regard to the CALFED Bay-Delta Program; environmental impact reports; consultant reports and other scientific documents. Served as the Agency's Water Conservation Coordinator; assist the Agency's Urban Bakersfield Advisory Committee. Responsible for implementation of water conservation Best Management Practices as contained in the Memorandum of Understanding of the California Urban Water Conservation Council. Also assisted with the Agency's participation in the AB3616 Agricultural Water Management Council. Responsible for majority of the Agency's public information program. Prepared, compiled, wrote, and edited the Agency's monthly newsletter. Prepared and wrote Agency public information materials. Prepared in-house technical reports and other materials including the Agency's Urban Water Management Plan. . Represented the Agency on various committees, including several State Water Contractors standing committees and budget review committee, the California Water Clearinghouse (for CALFED and Bay-Delta issues), the Association of California Water Agencies Communications (vice-chair) and Program Committees, and the Executive Committee of the Water Association of Kern County.

RESUME

Joseph C. Scalmanini

Specialization:

Forty-three years of practice in groundwater development and management, and oil and gas production. Assessments of groundwater resources and implementation of groundwater basin management in various areas throughout California; groundwater development and management encompassing well design, construction, operation, and maintenance; groundwater monitoring as part of basin management and as part of groundwater contamination investigations; artificial groundwater recharge facilities and practices; injection of industrial waste water; development of brackish and saline groundwater for municipal (desalination) and industrial water supply; water supply master planning.

Professional Registration:

Registered Civil Engineer, California, CE 28233

Academic Degrees:

M.E. Civil Engineering, University of California, Davis, CA	1984
B.S. Mechanical Engineering, University of Santa Clara, Santa Clara, CA	1967

Professional Experience:

Luhdorff and Scalmanini, Consulting Engineers, Woodland, CA	
President	2004 - Present
Principal Partner	1989 - 2004
Partner	1980 - 1989
University of California, Davis, Davis, CA	
Associate Development Engineer	1973 - 1979
Shell Oil Company	
Mechanical and Facilities Engineer	1967 - 1973

Representative Professional Assignments:

Consultant to water districts and utilities, municipalities, corporate and individual farming interests, corporate and private industry, and other engineering firms on groundwater development, utilization and management, including preparation and implementation of AB 3030 and other groundwater management plans, and plans for supplemental water supply and conjunctive use management. Consultation with public agencies, corporate and private concerns regarding groundwater contamination, its identification, monitoring, and management. Consultation with legal profession on technical aspects of groundwater development and utilization, including all aspects of groundwater basin yield and management, well design and construction, and application of pumping equipment.

Representative Professional Assignments continued:

Mr. Scalmanini directed and conducted a ground-water basin assessment in the Santa Maria Valley, including developing plans for conjunctive use of imported SWP water, recaptured return flows and increased artificial recharge of natural stream flow. After the adjudication of the Santa Maria Valley Groundwater Basin, he was appointed Basin Engineer, responsible for monitoring basin conditions and annually reporting to the court on the state of the basin.

Mr. Scalmanini directed the development of an alternative basin management plan for diversion of stream flow to replace coastal groundwater pumping and halt historical seawater intrusion in the Salinas Valley. He has developed several ground-water substitution programs for both public and private farming interests in Sacramento, Yolo and Sutter Counties, and authored Ground-Water Management Plans for these respective areas.

Mr. Scalmanini served as the court-appointed technical advisor to the Special Referee in the Chino Basin for development and implementation of an Optimum Basin Management Program to preserve and potentially increase the safe yield of the aquifer system, incorporate conjunctive use within storage limits in the aquifer, and make beneficial use of degraded water quality in the lower end of the basin by desalting ground water for future domestic water supply.

Mr. Scalmanini is directing ongoing engineering and hydrogeological analyses of local groundwater and imported State Water Project water supplies in the Upper Santa Clara River Area (Santa Clarita Valley) in Los Angeles County, including the preparation of annual Water Reports over the last eleven years. As part of that work, Mr. Scalmanini developed a cooperative technical program to integrate water resource analysis with the adjacent downstream basins, and has coordinated technical analysis of sustainable yield of the groundwater basin for ongoing agricultural, municipal, and other local water requirements since 2001. Mr. Scalmanini is the primary author of the AB3030 Groundwater Management Plan that has been adopted for the basin. He also prepared the Amendment to the 2000 Urban Water Management Plan for the State Water Contractor and all the water purveyors in the Valley to specifically address the adequacy of groundwater supplies in the wake of perchlorate contamination and the plan to contain contaminant migration while restoring contaminated wells to water supply service through the installation of wellhead treatment. He subsequently co-prepared an analysis of groundwater basin sustainable yield and a subsequent analysis of the adequacy of groundwater supply after another Alluvial well was impacted by perchlorate. He prepared the groundwater components of the 2005 Urban Water Management Plan, which was based on all the preceding analyses. Most recently, Mr. Scalmanini co-prepared an updated analysis of sustainable groundwater basin yield, including consideration of potential climate change impacts, for use in ongoing basin management and in the 2010 Urban Water Management Plan.

Mr. Scalmanini also currently serves as Chairman of the Ground-Water Committee that is developing and analyzing the potential for development of additional ground water throughout the Sacramento Valley as part of the Sacramento Valley Water Management Agreement reached in Phase 8 of the SWRCB Bay-Delta Water Rights Hearings.

Professional Affiliations:

National Ground Water Association
- Association of Ground Water Scientists and Engineers

American Water Works Association
California Groundwater Association
Groundwater Resources Association of California

Public Service:

- **Yolo County Aggregate Resources Committee (1975-79)**, Alternate delegate, hydrologist - analysis of impacts and development of management plans for extraction of aggregate from Cache Creek basin.
- **California Tenth Biennial Conference on Ground Water (1975)**, Member, Planning Committee
- **Chancellor's Campus (Univ. of Calif., Davis) Water Committee (1976-78)**, Staff Engineer - analysis of water supplies and uses, projection of requirements, development of conservation and management plans.
- **City of Davis Water Planning and Conservation Committee (1977-79)**, Chairman - analysis of water supplies and uses, projection of requirements, consideration of alternative supplies, development of conservation and management plans.
- **Yolo County Water Resources Task Force (1979)**, Member - development of county-wide master water plan.
- **Pacific Gas and Electric Co. ACT^2 Irrigation Pumping Demonstration Project (1992)**, Technical Advisor
- **Association of California Water Agencies (1994-1996)**, Member - Groundwater Committee
- **Cache Creek Conservancy**, **(2000-2002)**, Director

Teaching Activities:

Course Coordinator and Instructor University Extension Courses, University of California, Davis:

Concepts of Ground Water Management (1974, 1976, 1978, 1981)
Legal and Policy Considerations in Ground Water Management (1975, 1976, 1980)
Water Supply Wells and Pumps (1977, 1978,1981, 1983, 1985, 1986)
Groundwater Law, Hydrology and Management (2001-2010)

Instructor, University of California, Davis, Water Science 198, Introductory Hydraulics (1977, 1978, 1979)

Lecturer, University of California, Davis, Water Science 2, 140, 160; Ecology 230; Civil Engineering / Geology 175 (1975 - 1979)

Lecturer on Aquifer Characteristics, Well Hydraulics, and Groundwater Development, in Technical Training Classes at the U.S. Army Corps of Engineers' Hydraulic Engineering Center, Davis, CA.

Publications and Presentations:

Scott, V.H. and J.C. Scalmanini, **Water Wells and Pumps: Their Design, Construction, Operation, and Maintenance**, University of California Division of Agricultural Sciences Bulletin No. 1889, 1977.

Helweg, O.J., Scott, V.H., and J.C. Scalmanini, **Improving Well and Pump Efficiency**, American Water Works Association, 1983.

Publications and Presentations continued:

Scalmanini, J.C., and Scott V.H., **Design and Operational Criteria for Artificial Groundwater Recharge Facilities**, Water Science and Engineering Paper No. 2009, University of California, Davis, 1979.

Scalmanini, J.C., Scott, V.H., and O.J. Helweg, **Energy and Efficiency in Wells and Pumps**, presented at Twelfth Biennial Ground Water Conference, 1979.

Scalmanini, J.C., Johnson Jr., R.M., and E.E. Luhdorff Jr., **Development of a Groundwater Monitoring Program as a Basis for Coastal Groundwater Basin Management**, presented at the Fall Conference, American Water Works Association, CA-NV Section, 1983.
Scalmanini, J.C., **3030 Hindsight and 2020 Foresight, Actual Groundwater Management Experience Over the Last 15 Years, Soquel Creek Water District**, presented at the Association of California Water Agencies' Groundwater Management Conference, March 1994.

Scalmanini, J.C., **Legal and Technical Issues Related to Surface Water and Groundwater Interaction**, presented at the Groundwater Resources Association's California Ground Water & Efficient Usage for the Year 2000 and Beyond, October 1998.

Scalmanini, J.C., A. Schneider, and V. Cahill (panel presentation), **Groundwater Classification: Is the State Water Resources Control Board's Jurisdiction Over Ground Water Changing?**, presented at the Water Education Foundation's 2000 Update on Water Law and Policy, July 2000.

Scalmanini, J.C., **What the Heck's a Sub-Basin? Defining Basins and Sub-Basins**, presented at the Association of California Water Agencies' Groundwater Management: Will CalFed Help or Hinder Workshop, November 2000.

Scalmanini, J.C., **"Groundwater Law, Policy and Science: What can Be Done About The Disconnect",** presented at the Water Education Foundation's 2005 Water Law and Policy Briefing, San Diego, July 2005.

Nancy Clemm, P.E.

WORK SUMMARY

Nancy Clemm is a civil engineer with 30 years water resources planning experience, including 20 years working primarily on State Water Project (SWP) and Bay/Delta issues. Ms. Clemm is very familiar with SWP system operations, including reservoir, Delta, and conveyance facility operations, as well as with the Department of Water Resources (DWR) planning model used to estimate SWP delivery reliability. She has assisted in the preparation of numerous water supply planning documents, focused primarily on SWP supplies and facilities, including the 2005 and 2010 Urban Water Management Plans (UWMP) for Castaic Lake Water Agency (CLWA), the 1995 Regional Urban Water Management Plan and 1996 Integrated Water Resources Plan for the Metropolitan Water District of Southern California (MWD), and several environmental impact reports (EIR) dealing with SWP supplies and/or use of SWP conveyance facilities.

EXPERIENCE

WATER RESOURCES CONSULTANT, Los Angeles, California, 1999 - Present.
(Self-employed)

2005 and 2010 UWMPs: For CLWA, participated in preparation of 2005 and 2010 UWMPs, primarily focused on determining availability of SWP water supplies and assessing overall supply reliability.

Monterey Plus EIR: For MWD, provided technical support to SWP contractor representatives on advisory committee to DWR regarding water supply analyses and SWP contract issues, for preparation of new environmental document for Monterey Amendment to SWP water supply contract.

Water Program EIRs: For CLWA, assisted in preparation of EIRs for water programs involving use of SWP conveyance facilities, for CLWA's Rosedale Rio Bravo Water Storage District Water Banking Program, and its water acquisition from Buena Vista Water Storage District/Rosedale Rio Bravo Water Storage District.

SWP Table A Transfer EIR: For CLWA EIR for permanent transfer of SWP Table A amount, conducted SWP water supply reliability and water allocation analyses using data from DWR model studies, performed SWP aqueduct capacity rights and availability analysis, and prepared overall CLWA supply reliability assessment.

SWP Water Operations and Water Transfers: For State Water Contractors (SWC), participating in SWC Water Operations Committee, addressing SWP annual water supply and operational issues; and in SWC Water Transfers Committee, reviewing and providing recommendations regarding approval of proposed SWP contractor transfers and exchanges.

Reservoir Reoperation Report: For CALFED, drafted report on potential water supply and environmental benefits of reoperation of hydroelectric facilities in northern and central California.

Hydrologic Model: For Salt River Project, assisted with enhancements to runoff forecasting model, including making programming revisions, assisting with addition of user-interface, and writing user's manual and program documentation.

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, Los Angeles, California, 1991 - 98. (Senior Engineer, SWP Branch, 1993 - 98; Engineer, Bay Delta Branch, 1992; Engineer, SWP Branch, 1991)

SWP Water Supply Analyses: Assisted in preparation of several planning documents, including 1995 Regional Urban Water Management Plan and 1996 Integrated Water Resources Plan. Conducted numerous additional analyses to estimate future availability of SWP supplies, and to evaluate proposed SWP operational constraints, future water supply options, and SWP contract provisions.

SWP Supply Operations: Participated in SWC committee monitoring DWR's reservoir and Delta operations, addressing operational issues and various contractor issues such as equity and current supply versus risk of future shortage.

Water Contracts: Provided significant support in development of Monterey Amendment to SWP contract, including providing technical support for urban contractor negotiating team; assisting in amendment drafting and completion of environmental documentation; and resolution of implementation issues. Participated in drafting numerous agreements between MWD, DWR, and other agencies related to establishment of and water delivery to groundwater banking and exchange programs.

SWP Supply Planning: Participated in SWC committee monitoring DWR planning efforts to enhance SWP supplies, including review of proposed projects' feasibility, supply yield, water quality, environmental effects and mitigation, and costs.

SALT RIVER PROJECT, Phoenix, Arizona, 1981 - 90. (Senior Water Resources Analyst, 1985 - 90; Engineer III, 1983 - 84; Rotational Engineer, 1981 - 82)

Water Supply Analyses: Worked extensively with reservoir operations simulation model of Salt River Project system to conduct supply studies, to estimate future supplies and evaluate supply impacts given proposed physical and operational changes. Made major programming modifications and wrote program documentation.

Other Computer Modeling: Developed runoff forecasting model to estimate real-time runoff to reservoir system, including all model design, programming, and documentation. Assisted in development of water demand forecasting model based on land use, including model design, development, and implementation.

Water Contracts / Accounting: Developed detailed knowledge of existing water delivery and reservoir storage contracts. Participated in several negotiations for new water contracts, primarily concerning water delivery, accounting, and measurement.

EDUCATION

Bachelor of Science in Civil Engineering, Arizona State University, 1981.
Graduate courses in water resources modeling, Arizona State University.

REGISTRATION

Civil Engineer, California and Arizona

J. Lauren Everett

Water Resources Specialist

Education

B.S., Environmental Studies, University of California, Santa Barbara, 1999
M.S., Donald Bren School of Environmental Science and Management University of California, Santa Barbara, 2001

Professional Summary

Ms. Everett is a Water Resources Specialist, with over 8 years of experience in environmental and regulatory compliance providing technical planning support for a diverse range of water resource projects. Ms. Everett is currently involved with implementing DWR's Proposition 84 Integrated Regional Water Management Grant Program, urban water management planning, and supply and demand forecasting. Lauren has served as the liaison between planning, and engineering teams, and appreciates the teamwork and communication skills needed to successfully integrate planning and design concepts to meet regulatory requirements. She has also served as the project manager and project specialist for numerous water resource studies in Southern California.

Professional Experience

- *Castaic Lake Water Agency (CLWA), 2010 Urban Water Management Plan Update, Santa Clarita, CA:* Preparation of the 2010 regional Urban Water Management Plan (UWMP) is being completed on behalf of CLWA and its four retail purveyors. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. Ms. Everett is the technical lead on the UWMP development.

- *2010 Urban Water Management Plan Update for Improvement District 4, Kern County Water Agency, Bakersfield, CA.* Preparation of the 2010 regional UWMP, for the Kern County Water Agency's (KCWA) Improvement District No. 4 (ID4), which represents the urban portion of KCWA's State Water Project wholesale service area includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. Ms. Everett is the technical lead on the UWMP development.

- *Castaic Lake Water Agency (CLWA), Upper Santa Clara River IRWMP Proposition 84 Implementation Grant Application, Santa Clarita, CA:* The Project is the preparation of an Implementation Grant application requesting funds from the Proposition 84 Integrated Regional Water Management (IRWM) Implementation Grant Program for five Candidate Projects within the Upper Santa Clara River IRWM Plan. Ms. Everett managed the effort and was the technical lead on the application preparation.

- *Castaic Lake Water Agency (CLWA), Upper Santa Clara River IRWMP Proposition 84 Planning Grant Application, Santa Clarita, CA:* The Project is the preparation of a Planning Grant application requesting funds from the Proposition 84 IRWM Planning Grant Program for the 2010 Update of the Upper Santa Clara River IRWM Plan. Ms. Everett managed the effort and was the technical lead on the application preparation.

- *Los Angeles County Department of Public Works, Antelope Valley Integrated Regional Water Management Plan (Plan):* Ms. Everett managed the development of the Plan, which was

designed with a regional focus for the sustainable management of water resources in the Antelope Valley Region for the next twenty-five years. Over 40 agencies within the Antelope Valley participated in the planning process.

- *Los Angeles County Department of Public Works, Antelope Valley Integrated Regional Water Management Plan, Proposition 50 Round 2 Step 1 & Step 2 Grant Application, Antelope Valley, CA:* Kennedy/Jenks submitted a proposal for an implementation grant requesting $25 million for seven projects that targeted reducing the mismatch between supply and demand projected for the Region by 2035. Ms. Everett managed the preparation of the Step 1 and Step 2 grant applications.

- *Los Angeles County Department of Public Works, Antelope Valley Integrated Regional Water Management Plan, Region Acceptance Process (RAP) Application, Antelope Valley, CA:* Kennedy/Jenks submitted a proposal successfully defending the IRWMP Region's boundary to the Department of Water Resources allowing the IRWMP Region to remain in the Proposition 84 IRWMP Program. Ms. Everett managed the RAP effort.

- *Kern County Water Agency, Tulare Lake Basin Portion of Kern County Integrated Regional Water Management Plan (Plan), Kern County, CA:* Ms. Everett is currently assisting in the development of the integrated regional planning document, and providing assistant management responsibilities. Over 40 agencies within the Kern Region are participating in the Kern Region IRWM planning process.

- *Kern County Water Agency, Tulare Lake Basin Portion of Kern County Integrated Regional Water Management Plan, Region Acceptance Process Application, Kern County, CA:* Kennedy/Jenks submitted a proposal successfully defending the IRWMP Region's boundary to the Department of Water Resources allowing the IRWMP Region to remain in the Proposition 84 IRWMP Program. Ms. Everett managed the RAP effort.

- *Castaic Lake Water Agency (CLWA), Water Supply Reliability Plan Update, Santa Clarita, CA:* The plan and update are needed in order to evaluate the technical, environmental, and economic issues associated with potential water supply reliability projects. Ms. Everett's responsibilities include characterization of the water supply and demands for the region, and general report content.

- *Los Angeles County Department of Public Works, North Los Angeles/Kern County Regional Recycled Water Master Plan Environmental Impact Report, Antelope Valley, CA:* Kennedy/Jenks assisted Environmental Science Associates in preparing the hydrology, hazards and hazardous materials, and geology sections of the Environmental Impact Report. Ms. Everett managed the Kennedy/Jenks team on this effort.

- *Ventura County Waterworks District No. 8 Recycled Water Master Plan, Simi Valley, CA:* This project consists of the design of a recycled water distribution system to serve municipal and industrial customers within the City of Simi Valley. Ms. Everett's responsibilities included characterization of the environmental issues associated with implementing the system, identification of required permits and approvals, and general report coordination.

Dana Haasz

Project Manager

Education

M.S., Applied Geography, New Mexico State University, Las Cruces, NM
B.S., Geography and Environmental Science, McGill University, Montreal, Canada

Affiliations

California Urban Water Conservation Council
Western Water Alliance Steering Committee and Hiring Committee
Technical Advisor to CALFED Appropriate Water Measurement Panel/Agricultural and Urban
Environmental Justice Coalition for Water Steering Committee
Water Education Foundation, Water Leader (2003) and Water Leader Mentor (2009)

Professional Summary

Dana Haasz has 13 years experience in water conservation, demand modeling and resource planning. She currently manages the water use efficiency projects and programs for Kennedy/Jenks. Projects range from planning, program assessment, demand modeling and helping agencies to meet regulatory requirements, to the development of implementation programs, budgets, monitoring and quantification.

Dana spent the six years as the Water Conservation Administrator at San Francisco Public Utilities Commission. Ms. Haasz has extensive experience in regulatory compliance issues and long-term water supply planning for the retail and wholesale service areas, including planning, organizing, developing and administering retail water conservation programs including the identification, evaluation, and public promotion of conservation with industry, builders, developers, public agencies, customers, and community groups. Ms. Haasz's activities also extended to policy development, from legislative initiatives and statewide conservation issues to development of a revolving loan program and other efficiency-related activities at the local level.

In Ms. Haasz's six years at San Francisco Public Utilities Commission, she directly managed and implemented the growth of the Conservation department from a customer-service based residential rebate program to a multi-faceted approach that includes all customers, various types of incentives and services, outreach, education, policy and coordination with local, regional and state level activities. Her approach towards the expansion of the program was to merge public policy needs with solid business principles and quantified outcomes so as to make obvious and appropriate efficiency decisions for the customer as well as honoring the agency's responsibility to the ratepayer.

Prior to the SFPUC, Dana developed modeling and theoretical skills at the Pacific Institute for Water, Development and Environment where she co-authored an analysis quantifying water conservation potential for the state and policies and programs designed to achieve that goal.

Project Experience

2010 Urban Water Management Plans (18 water systems), Golden State Water Company, Rancho Cordova, CA. Currently providing water conservation services for GSWC's 2010 UWMP update for the 18 water systems that meet the criteria for the requirements of an UWMP. Updates will include analysis of water conservation programs status for the purposes of evaluating compliance with AB 1420 and SBX7, in coordination with the local Alliance for Water Awareness and Conservation.

2010 Urban Water Management Plan Update, Stockton East Water District, Stockton, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures, as well as addressing AB 1420 and SBX7-7 regulations.

The update will also include a water shortage contingency plan as it applies to Stockton East Water District being an urban water wholesaler.

Complete Water Conservation and Demand Reduction Program Evaluation, City of Roseville, Roseville, CA. Developed an implementation plan, including a review of past activities, identification of potential conservation measures, cost benefit analysis, program modeling and design to prepare conservation plan for City of Roseville, that meets the 20x2020 requirements.

Water Conservation Efficiency Master Plan, City of Riverside, Riverside, CA developed a conservation implementation program for the City of Riverside. Evaluated Riverside's past water use efficiency program, identified potential conservation measures, performed cost benefit analysis, modeled potential programs and developed a scored options matrix to assist Riverside with efforts to effectively comply the 20x2020 requirements and guide program design and implementation.

2010 Urban Water Management Plan Update, Castaic Lake Water Agency, Santa Clarita, CA. Currently providing water conservation services for preparation of the 2010 regional Urban Water Management Plan (UWMP), which is being completed on behalf of CLWA and its four retail purveyors. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. The UWMP also includes an evaluation of the various alternative water management strategies and supplies available to the Valley and based on the evaluation, will recommend water supply strategies.

2010 Urban Water Management Plan Update, Mojave Water Agency, Apple Valley, CA. Currently providing water conservation services to produce Mojave Water Agency's (MWA) 2010 UWMP with particular focus on Best Management Practices (BMPs) and new regulations. A State Water Project contractor, MWA's plan is to be completed in cooperation with numerous retailers from within their service area. This update will also include analysis of the various agencies' water conservation programs status for the purposes of evaluating compliance with AB 1420 and SBX7, in coordination with the local Alliance for Water Awareness and Conservation.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Park Water Company Urban Water Management Plan and Water Use Efficiency Plan, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Suburban Water Systems Urban Water Management Plan, Oxnard, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

2010 Urban Water Management Plan Update for Improvement District 4, Kern County Water Agency, Bakersfield, CA. Currently providing water conservation services for preparation of the 2010 regional UWMP, for the Kern County Water Agency's (KCWA) Improvement District No. 4 (ID4), which represents the urban portion of KCWA's State Water Project wholesale service area. The water supply analysis includes the SWP, local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan Update, San Bernardino Valley Municipal Water District, San Bernardino, CA. Currently providing water conservation services for update of the District's 2010 UWMP with particular focus on Best Management Practices (BMP's) and new regulations. The work will also include coordination with California Department of Water Resources reviews and approvals.

2010 Urban Water Management Plan, Lake Arrowhead Community Services District, Lake Arrowhead, CA. Currently providing water conservation services for production of this retail water purveyor's 2010 UWMP update.

2010 Urban Water Management Plan, North of the River Municipal Water District and Oildale Mutual Water Company, Kern County, CA. Currently providing water conservation services for preparation of the 2010 UWMP update for Kern County Water Agency Improvement District No. 4's (ID4) participating retail purveyors, North of the River Municipal Water District and Oildale Mutual Water Company. The UWMP update will provide information on ID4's wholesale service area and operations and will include data and information about the ID4 retail purveyor service areas and operations. The UWMP update will also include information on ID4 retail purveyor service areas that recover groundwater within ID4.

2010 Urban Water Management Plan, City of Ventura, CA. Currently providing water conservation services for production of the City's 2010 UWMP update. The water supply analysis includes local groundwater, reliability programs, other imported supplies and recycled water. In addition to the water supply analyses required by the UWMP Act, this UWMP update will also include analysis of local water conservation program status for the purposes of evaluating compliance with AB 1420 and SBX7.

2010 Urban Water Management Plan, Central Coast Water Authority, Ventura County, CA. Currently providing QA/QC and third-party technical review regarding water conservation practices for the CCWA's 2010 UWMP update.

2010 Urban Water Management Plan Update, Western Municipal Water District, Riverside County, CA. Currently providing water conservation services for preparation of the District's 2010 UWMP update, including water supplies, demands, and conservation measures.

Project Experience Prior to Kennedy/Jenks

Water Conservation Administrator, San Francisco Public Utilities Commission

Water Saver Program: Developed market-based approach to conservation programs. The program aimed to secure permanent water savings for large commercial and industrial customers by providing technical support and financial incentive incentives based on the volume of saved water. The program allowed SFPUC to support larger process-oriented uses and other specific needs that are not part of the traditional fixture-based rebate programs. Participants included hotels, hospitals, colleges, and food growers.

Unaccounted for Water Analysis: Managed the first large urban agency implementation of the full AWWA M36 Water Loss process. The multi-phase analysis to discover, diagnose, and develop an implementation plan for capturing water system losses consisted of quantification and categorization of losses, identifying cost effective potential recovery and ,disaggregating city zones to prioritize and develop leak detection and repair implementation plan and providing leak detection training to City staff at the SFPUC.

Data Management: Managed design and development of database designed to improve the analytic capacity of conservation programs and link activities to water savings - actual and estimated – customer type, spatial information and more. The system also incorporated administrative tasks such as issuing rebates, mailings, inspection scheduling and follow up.

Low-income Direct Install Program: Developed high-efficiency toilet (HET) direct-installation and water audit program in coordination with community groups in order to save water in a hard to reach population and mitigate the impacts of rising water rates. The program provided free HETs to single family customers and a voucher program for multi-family residents in low-income communities. Local nonprofit groups were enlisted and community members trained in conservation principles in order to help market the program. program received two grants of $200,000 each, one from the California Department of Water Resources and one from the U.S. Bureau of Reclamation.

Education: Developed materials and an implementation plan for a water resources education program that would be compliant with both state and CUWCC requirements.

Municipal: Launched municipal audit program with detailed potential efficiency improvements, costs and implementation recommendations.

Conservation Legislation: Developed and worked to pass local conservation ordinances including a residential retrofit on resale for ordinance and a replacement ordinance for commercial accounts. Improvements include fixture replacement (toilets, showerheads aerators) and leak repair. Worked with the San Francisco Department of Building Inspection to train City inspectors, develop implementation materials and process.

Baseline Analysis: Participated in modeling of baseline use in San Francisco by customer type, potential demand reduction opportunities, costs and implementation options. Preferred alternative became the basis for SFPUC program activities.

California Urban Water Conservation Council: Represented Group 1 water agencies as convener of the CUWCC, 2005-2006 / Represented Group 2 Environmental Organizations as convener 2003-2004.