

March 26, 2012

BY EMAIL AND U.S. MAIL

Jane Farwell
Division of Water Rights
State Water Resources Control Board
Post Office Box 2000
Sacramento, California 95812-2000

Re: Cachuma Surrebuttal Witnesses for March 29-30, 2012 Hearing
U.S. Bureau of Reclamation Water Rights Permits 11308 and 11310
Client-Matter No. 41277.00002

Dear Ms. Farwell:

In accordance with the State Board's March 14, 2012 Ruling, the Cachuma Conservation Release Board ("CCRB") submits the following list of surrebuttal witnesses for the hearing on March 29-30, 2012:

- Mary Lou Cotton, Kennedy/Jenks Consultants
- Rebecca Bjork, City of Santa Barbara
- Chris Rich, Goleta Water District
- Tom Mosby, Montecito Water District

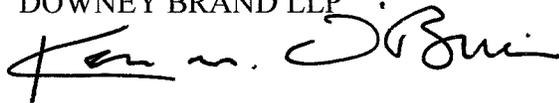
We have enclosed an outline of each witnesses' surrebuttal testimony, as well as a summary of their qualifications.

The enclosed outlines are intended to be responsive to the outline submitted by the Environmental Defense Center for its witness, Heather Cooley, on the urban water demand and water supply issues. The outline of testimony provided by Environmental Defense Center is lacking in details concerning the scope of Ms. Cooley's testimony and the basis for her opinions, if any. Consequently, we respectfully reserve the right to supplement these witnesses and their

planned testimony if Ms. Cooley's strays beyond the limited outline provided by the Environmental Defense Center.

Respectfully submitted,

DOWNEY BRAND LLP

A handwritten signature in black ink, appearing to read "Kevin M. O'Brien", written over the typed name.

Kevin M. O'Brien

KMO:bc
Enclosures

1220130.1

State Water Resources Control Board, Cachuma Project Hearing

Mary Lou Cotton, Kennedy/Jenks, Surrebuttal Witness, Cachuma Member Units

to CALTROUT Heather Cooley's Testimony

1) Integration of the water conservation requirements of SBx7-7 into the water demand projections utilized in the FEIR.

“Demand projections in the FEIR fail to integrate mandated water conservation and efficiency improvements, particularly a requirement to reduce per capita demand by 20% by 2020.” (Cooley Revised Outline, p. 1)

- a. SBx7-7 requires urban water suppliers to increase water use efficiency by the year 2020, with a statewide goal of reducing per-capita urban water use by 20%.
- b. SBx7-7 does not mandate that each individual water supplier actually achieve a 20% reduction in per-capita water use. Instead, each “urban retail water supplier” must calculate its own baseline water use and demand reduction targets, which for water-conserving communities such as Goleta and Santa Barbara may be significantly less than 20%.
- c. SBx7-7 allows water suppliers to re-assess their baseline and target calculations in 2015 (at the time 2015 UWMPs will be prepared) and make adjustments to those, and also includes the option to change the selected target methodology.
- d. SBx7-7 applies to per-capita use based on specific mandated calculation methodologies; it does not apply to the gross demands of the urban water supplier.
- e. The water demand projections utilized in Goleta Water District’s 2010 Urban Water Management Plan integrate water conservation and efficiency improvements expected to occur, including general rates of per-capita water reductions expected to occur under SBx7-7.

2) The FEIR’s Inclusion of Cost-Effective Urban Water Conservation Measures.

“The FEIR does not include cost-effective urban conservation potential available to water contractors, . . .” (Cooley Revised Outline, p. 1)

- a. There has been a continuum of long-term conservation programs implemented by the City of Santa Barbara (City) and Goleta Water District (GWD), as well as all CCRB members, and built into water supply planning since the late 1980s. Current demand projections already take into account assumptions arising from new technologies and the saturation rates for those and other technologies, including technological improvements since 2003. In addition, several statutes and state policies are now in place that “build in” conservation technologies

through time: AB 407 (“universal retrofit”), AB 1881 (Model Landscape Ordinance), and the state Green Building Code.

- b. The Memorandum Regarding Urban Water Conservation in California (which has been incorporated pursuant to AB 1420 into the Urban Water Management Planning Act) calls on urban water agencies to institute all cost-effective best management practices for water conservation, including the adoption of a rate and revenue structure that meets certain criteria. The City and GWD are implementing all cost-effective water conservation best management practices, including the water conservation BMP governing rate structures.

3) Other surrebuttal testimony

To the extent that Ms. Cooley or other CALTROUT or NMFS witnesses are allowed to testify concerning other matters relating to water supply and demand not specifically identified in the witness outlines, the Cachuma Member Units reserve the right to present additional surrebuttal testimony from Ms. Cotton in response thereto.

Mary Lou Cotton, C.C.P.

INSERT TITLE

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.

She is assisting several agencies with a wide variety of planning efforts, including Urban Water management Plans, Integrated Regional Water Management Plans, water use efficiency master plans, conservation program development and design, water conservation Best Management Practices (BMP) implementation and reporting, and conservation policy development. Prior to joining Kennedy/Jenks Consultants, Ms. Cotton served as Water Resources Manager for the Castaic Lake Water Agency, managing all aspects of the Agency's water resource projects, and served as the agency's Conservation Coordinator, responsible for BMP implementation and reporting, and also supervised the development of Urban Water Management Plans and SB610 water supply assessments. Ms. Cotton served in the position of Conservation Coordinator during her tenure with the Kern County Water Agency and also produced Urban Water Management plans while there.

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.

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.

Ms. Cotton has managed or worked on project teams for a variety of **Integrated Regional Water Management Plans**, including the Tulare Lake Basin portion of Kern County (**Kern County Water**

Agency), **Western Municipal Water District, Vallecitos Water District, Castaic Lake Water Agency** and the upper Santa Clara River watershed. She has also recently worked on teams developing **Water Conservation Programs** for **Western Municipal Water District, Alameda County Zone 7 Water Agency, the Association of California Water Agencies** and various other clients.

Ms. Cotton has also been involved in various water supply planning projects, including water supply reliability program strategic planning, and water resource and water banking program review and analysis, for a variety of agencies, including **Castaic Lake Water Agency, San Geronio Pass Water Agency, Lake Arrowhead Community Services District, Sacramento Groundwater Authority, the City of Ventura** and the **Los Angeles Department of Water and Power**.

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.

State Water Resources Control Board, Cachuma Project Hearing

Rebecca Bjork, City of Santa Barbara, Surrebuttal Witness, Cachuma Member Units

to CALTROUT Heather Cooley's Testimony

1) FEIR analysis of future water demand and potential water shortages

"The FEIR overestimates future demand and potential shortages under the proposed alternatives, . . ." (Cooley Revised Outline, p. 1)

- a. The City of Santa Barbara's (City) current water supply and demand projections are consistent with the earlier water supply and demand projections utilized in the FEIR.
- b. The FEIR does not over-estimate potential water shortages within the City.
- c. The City's current water supply and demand projections include reasonably foreseeable water conservation and efficiency improvements, including water conservation expected to occur in accordance with SBx7-7. The City's current water supply and demand projections are consistent with the earlier water supply and demand projections utilized in the FEIR.

2) FEIR inclusion of urban water conservation

"The FEIR does not include cost-effective urban conservation potential available to water contractors, . . ." (Cooley Revised Outline, p. 1)

- a. The City's current water demand projections take into account new water conservation technologies and the saturation rates for those technologies, including technological improvements since 2003. The City's current water demand projections are consistent with the demand projections utilized in the FEIR.
- b. The City is implementing cost-effective water conservation measures.
- c. The City's current water rates and water rate structure provide a strong incentive to conserve. The City's revenues from water rates meet the standards set by the California Urban Water Conservation Council and the State of California's Best Management Practices for retail water conservation pricing.
- d. From the City's standpoint, Ms. Cooley's assertion that at least 5,000 to 7,000 acre-feet of water could be conserved by Cachuma contractors cost-effectively is incorrect.

3) FEIR consideration of “alternative” water supplies

“The FEIR does not consider the availability of water through alternative supplies. For example, recycled water, rainwater harvesting, and stormwater capture are additional sources of water supply that have not been implemented, or could be further implemented, to reduce or eliminate the need for Santa Ynez River water.” (Cooley Revised Outline, p. 2)

- a. Over the years the City has carefully considered the feasibility of various “alternative” water supplies.
- b. The City has incorporated the use of recycled water into its water supply to the extent feasible and effective.
- c. In the context of the City’s water system, rainwater harvesting and stormwater capture are not feasible or effective alternative water supplies.

4) Other surrebuttal testimony

To the extent that Ms. Cooley or other CALTROUT or NMFS witnesses are allowed to testify concerning other matters relating to water supply and demand not specifically identified in the witness outlines, the Cachuma Member Units reserve the right to present additional surrebuttal testimony from Ms. Bjork in response thereto.

Rebecca Bjork
4529 Auhay Drive, Santa Barbara, CA 93110
805 897-1914
RBjork@SantaBarbaraCA.Gov

EDUCATION

California State University, Northridge CA
Masters of Public Administration **2000**
Thesis: "Using Pollutant Trading Credits For Watershed Management"
Degree conferred with honors

University of California, Santa Barbara CA
Certificate in Hazardous Materials Management **1991**

Grinnell College, Grinnell IA
B.A. in Biology - Concentration in Environmental Studies **1987**

WORK HISTORY

City of Santa Barbara, CA
Water Resources Manager **2007 - present**
Manage the City's Water Supply and oversee all aspects of the operations and management of the City of Santa Barbara's and water an wastewater utilities

City of Santa Barbara, CA
Wastewater System Manager **2003 - 2007**
Managed the City of Santa Barbara's Wastewater Collection System and Wastewater Treatment Plant. Ensured compliance with all regulatory requirements

City of Santa Barbara, CA
Water Resources Supervisor **1997 -2003**
Managed Pretreatment Program to regulate the discharge of industrial wastes to the sewer and managed special projects in the Water and Wastewater sections

City of Santa Barbara, CA
Pretreatment Program Coordinator **1989-2003**
Developed and implemented the City's Pretreatment program to regulate the discharge of industrial waste to the sewer

City of Merced, CA
Environmental Control Officer **1987-1989**
Inspected industrial facilities for compliance with Pretreatment Regulations

PROFESSIONAL AFFILIATIONS

- Water Environment Research Federation
- Water Environment Federation
- California Water Environment Association (Past Board Member)
- American Association of Water Agencies
- American Association of Water Agencies Research Federation
- National Association of Clean Water Agencies
- California Association of Sanitary Agencies
- Leadership Santa Barbara County

State Water Resources Control Board, Cachuma Project Hearing

Christopher J. Rich, Goleta Water District, Surrebuttal Witness, Cachuma Member Units to CALTROUT Heather Cooley's Testimony

1) FEIR analysis of future water demand and potential water shortages

"The FEIR overestimates future demand and potential shortages under the proposed alternatives, . . ." (Cooley Revised Outline, p. 1)

- a. The Goleta Water District's (GWD) current water supply and demand projections are consistent with the earlier water supply and demand projections utilized in the FEIR.
- b. The FEIR does not over-estimate potential water shortages within GWD.
- c. GWD's current water supply and demand projections include reasonably foreseeable water conservation and efficiency improvements, including water conservation expected to occur in accordance with SBx7-7. GWD's current water supply and demand projections are consistent with the earlier water supply and demand projections utilized in the FEIR.

2) FEIR inclusion of urban water conservation

"The FEIR does not include cost-effective urban conservation potential available to water contractors, . . ." (Cooley Revised Outline, p. 1)

- a. GWD's current water demand projections take into account new water conservation technologies and the saturation rates for those technologies, including technological improvements since 2003. GWD's current water demand projections are consistent with the demand projections utilized in the FEIR.
- b. GWD is implementing cost-effective water conservation measures.
- c. GWD's current water rates and water rate structure provide a strong incentive to conserve. GWD's revenues from water rates meet the standards set by the California Urban Water Conservation Council and the State of California's Best Management Practices for retail water conservation pricing.
- d. From GWD's standpoint, Ms. Cooley's assertion that at least 5,000 to 7,000 acre-feet of water could be conserved by Cachuma contractors cost-effectively is incorrect.

3) FEIR consideration of “alternative” water supplies

“The FEIR does not consider the availability of water through alternative supplies. For example, recycled water, rainwater harvesting, and stormwater capture are additional sources of water supply that have not been implemented, or could be further implemented, to reduce or eliminate the need for Santa Ynez River water.” (Cooley Revised Outline, p. 2)

- a. Over the years GWD has carefully considered the feasibility of various “alternative” water supplies.
- b. GWD has incorporated the use of recycled water into its water supply to the extent feasible and effective.
- c. In the context of GWD’s water system, rainwater harvesting and stormwater capture are not feasible or effective alternative water supplies.

4) Other surrebuttal testimony

To the extent that Ms. Cooley or other CALTROUT or NMFS witnesses are allowed to testify concerning other matters relating to water supply and demand not specifically identified in the witness outlines, the Cachuma Member Units reserve the right to present additional surrebuttal testimony from Mr. Rich in response thereto.

10 E. Constance Ave
Santa Barbara, CA 93105
805-453-4302 urichc@hotmail.com

CHRISTOPHER J. RICH

SUMMARY OF CORE SKILLS AND ACCOMPLISHMENTS

Mr. Rich's background includes broad management and expertise in energy and natural resource policy, incentive-based conservation programs, regional planning, land use, economic development, municipal finance and public relations. Mr. Rich's comprehension of the fiscal and economic aspects of planning and public policy, local government management and organizations, as well as the ability to clearly communicate complex ideas, make him an asset to any organization, group, or project team. Given his collaborative spirit and outgoing nature, Mr. Rich frequently is requested by City Managers and County Executives to serve on interdepartmental working groups and special project teams addressing complex community development issues. Having worked for cities, a county, and a special district, Mr. Rich's experience provides unique perspective in developing solutions for effective local government service delivery.

RELEVANT EXPERIENCE

10/10 – Present: Water Supply & Conservation Department Manager, Goleta Water District, Goleta, CA

Department director overseeing a budget of \$11 million and a portfolio of business lines including real estate development services; conservation and sustainability initiatives; long range water supply and demand planning; public relations; and grant administration. One of four department heads and a member of the General Manager's Executive Cabinet charged with leading the largest special district in Santa Barbara County, including the overall strategic organization of 60 employees, delivery of service to 87,000 people, and management of an infrastructure asset base with a replacement value of \$750 million. Successfully led development of the District's first comprehensive Water Supply Management Plan, negotiated major water rights agreements, secured over \$2 million in new business fees and charges, and implemented a robust public relations process resulting in water rate increases to support the District's long term fiscal viability. Successfully managed major customer service initiatives and focused service for large customer accounts, personnel decisions, cross-departmental projects, and interagency relations.

10/09 – 10/10: Fiscal & Policy Analyst, County Executive Office, Santa Barbara County, CA

Enterprise leader / manager responsible for financial and performance planning, special projects, and policy initiatives in the areas of economic and community development, legislative development, capital budgets and programs, energy, climate change, revenue and regional economics. Advised the County Executive Officer regarding the planning, preparation, and execution of the Santa Barbara County's \$900 million budget. Worked with Department Directors to identify and solve fiscal issues such as the County's \$40 million budget gap in FY 10-11 and projected \$50 million budget gap in FY 11-12. Oversaw design of an energy efficiency financing program (emPowerSBC), including development of the program's marketing platform, brand, logos, image, and customer acquisition strategy. Worked with local trade associations, industry groups, and agencies to implement and promote the program.

9/08 – 10/09: Principal Planner, Office of Long Range Planning, Santa Barbara County, CA

Supervisor overseeing the work of five project planners in the areas of climate change, redevelopment, regional economic and environmental studies, interagency negotiations, housing policy, and legislative development. Developed public relations plans and managed implementation of outreach processes to garner input from diverse stakeholders including neighborhood groups, real estate developers, elected officials, State and federal officials, and local agencies. Oversaw development of public opinion polls and public relations programs surrounding regional development projects.

9/06-9/08: Senior Planner, Office of Long Range Planning, Santa Barbara County, CA

Project manager responsible for housing policy, regional strategic planning, and redevelopment planning. Updated general plans to accomplish community objectives, represented the County during a pivotal Regional Housing Needs Allocation process that focused on providing housing near job centers, oversaw State-mandated housing rezone programs, and achieved certification for the County's General Plan Housing Element which had previously been de-certified by the State Housing & Community Development Department.

7/05 – 9/06: Management Analyst, City Manager’s Office, City of Long Beach, CA

Project manager responsible for special tax initiatives, citywide budget preparation, information technology optimization efforts, and economic research.

5/04 – 7/05: Management Assistant, City Manager’s Office, City of Long Beach, CA

One of two individuals selected out of over 100 applicants to participate in the highly recognized City of Long Beach Management Assistant Program. Responsible for serving as lead staff to Deputy City Manager and Department Directors regarding neighborhood revitalization efforts, dispersal of Community Development Block Grant funds, and the City’s performance management initiative.

7/99 – 6/01: Corps Member, Teach for America, Greater New Orleans, LA

Math and Language Arts teacher responsible for driving performance and building opportunities in an under-resourced middle school in the Greater New Orleans area.

EDUCATION

8/02 – 5/04

University of Southern California; School of Policy, Planning, and Development

Master of Public Administration, concentration in Economic Development & Finance

Coursework included: Local Economic Development, Urban Economics and Redevelopment, Public Finance, Public Policy Analysis, Quantitative Analysis, Public Administration

Honors/Activities: Dean’s Merit Scholarship; Executive Board Member, Graduate Policy Administration Community (GPAC); Chair, GPAC Communications Committee

6/96 – 6/99

University of California, Santa Barbara

Bachelor of Arts, English Literature

Honors: Magna Cum Laude, Distinction in Major, University President’s Scholarship for Policy Studies, Jenkins-Stark Award, Phi Beta Kappa

PROFESSIONAL PRESENTATIONS & RELATED ACTIVITIES

March 2012

Sustainability and Public Water Utilities, Guest Lecturer
University of California, Santa Barbara, Geography Department

October 2011

Sustainability and Public Water Utilities, Panelist and Presenter
University of California, Santa Barbara, Inaugural South Coast Sustainability Summit

February 2011

Regional Water Supply and Conservation, Guest Lecturer
University of California, Santa Barbara, Environmental Studies

March 2008-10

Regional Planning and Climate Change, Guest Lecturer
University of California, Santa Barbara, Bren School of Environmental Science
University of California, Santa Barbara, Geography Department

March 2009

Advisor, Graduate Student Capstone Project
Energy Rubrix Team: Energy Efficiency in Santa Barbara County Homes
University of California, Santa Barbara, Bren School of Environmental Science

March 2006

Using Technology to Enhance Local Economic Development Activities, Guest Lecturer
California State University, Long Beach

January 2006

WiFi Technology: Economic Development Opportunities and Risks, Panelist
National Association of Telecommunications Officials and Advisors (NATOA)
Annual conference in Santa Monica, CA

May 2004 *The Costs and Benefits of Completing the 110 Freeway*, Presenter
Capstone graduate school policy analysis presentation
Presented to USC Economists and Planners

December 2003 *Strategies for Commercial Revitalization in the City of Pomona*, Presenter
Capstone graduate school presentation in area of concentration
Presented to economic development officials and real estate development executives
from a variety of public and private organizations

NOTABLE ADDITIONAL TRAINING

Type of Training: Economic Impact Analysis with IMPLAN
Provider: California Lutheran University
Duration of Training: 2 days, Summer 2009

Type of Training: CEQA Basics and Advanced Topics
Provider: Santa Barbara County Counsel
Duration of Training: 2 days, Fall 2007

Type of Training: Community Visioning and Visualization
Provider: Lincoln Land Institute and Cal Poly, San Luis Obispo
Duration of Training: 3 days, 9/06

Type of Training: City of Long Beach Supervisor's Leadership Academy
Provider: City of Long Beach, Law firm Liebert, Cassidy, and Whitmore
Duration of Training: 8/04 – 8/05 (certification received)

Type of Training: City of Long Beach Financial Systems
Provider: City of Long Beach, Department of Financial Management
Duration of Training: Several Weeks

Type of Training: Advanced Use of Microsoft Office (Word, Excel, Access, Power Point, Project)
Provider: University of Southern California
Duration of Training: One Week

TECHNOLOGY SKILLS

IMPLAN economic analysis software; MS Office Platform; MS Visio; MS Project; and Adobe InDesign

State Water Resources Control Board, Cachuma Project Hearing

Tom Mosby, Montecito Water District, Surrebuttal Witness, Cachuma Member Units to CALTROUT Heather Cooley's Testimony

1) FEIR analysis of future water demand and potential water shortages

"The FEIR overestimates future demand and potential shortages under the proposed alternatives, . . ." (Cooley Revised Outline, p. 1)

- a. Montecito Water District's (MWD) current water supply and demand projections are consistent with the earlier water supply and demand projections utilized in the FEIR.
- b. Under MWD's current water supply and demand projections for multi-year droughts MWD is projecting water shortages.
- c. MWD's current water supply and demand projections include reasonably foreseeable water conservation and efficiency improvements, including water conservation expected to occur in accordance with SBx7-7. The current water supply and demand projections are consistent with the earlier water supply and demand projections utilized in the FEIR.

2) FEIR inclusion of urban water conservation

"The FEIR does not include cost-effective urban conservation potential available to water contractors, . . ." (Cooley Revised Outline, p. 1)

- a. MWD's current water demand projections take into account new water conservation technologies and the saturation rates for those technologies, including technological improvements since 2003. MWD's current water demand projections are consistent with the demand projections utilized in the FEIR.
- b. MWD is implementing cost-effective water conservation measures.
- c. MWD's current water rates and water rate structure provide a strong incentive to conserve. MWD's revenues from water rates meet the standards set by the California Urban Water Conservation Council and the State of California's Best Management Practices for retail water conservation pricing.
- d. From MWD's standpoint, Ms. Cooley's assertion that at least 5,000 to 7,000 acre-feet of water could be conserved by Cachuma contractors cost-effectively is incorrect.

3) FEIR consideration of “alternative” water supplies

“The FEIR does not consider the availability of water through alternative supplies. For example, recycled water, rainwater harvesting, and stormwater capture are additional sources of water supply that have not been implemented, or could be further implemented, to reduce or eliminate the need for Santa Ynez River water.” (Cooley Revised Outline, p. 2)

- a. Over the years MWD has carefully considered the feasibility of various “alternative” water supplies.
- b. In the context of MWD’s water system, recycled water, rainwater harvesting and stormwater capture are not feasible or effective alternative water supplies.

4) Other surrebuttal testimony

To the extent that Ms. Cooley or other CALTROUT or NMFS witnesses are allowed to testify concerning other matters relating to water supply and demand not specifically identified in the witness outlines, the Cachuma Member Units reserve the right to present additional surrebuttal testimony from Mr. Mosby in response thereto.

CURRICULUM VITAE

Thomas R. Mosby
1423 Greenworth Place
Santa Barbara, CA 93108
(805) 570-9708

Education

Name and Location of School	Course of Study	Degree
College: University of Hawaii, Manoa Honolulu, HI 1978-1981	Mechanical Engineering	BS
College: Santa Barbara City College Santa Barbara, CA 1976-1978	Engineering	AS
College: Santa Barbara City College Santa Barbara, CA 1970-1972	Marine Technology	AS
High School: Bishop Garcia Diego Santa Barbara., CA 1965-1969		Graduated

Licenses etc.

Engineer in Training (EIT): April 1986 – No.: XE064403:
CA Driver's License

EMPLOYMENT HISTORY

November 1990 – Present

Montecito Water District
583 San Ysidro Road
Santa Barbara, CA 93108

General Manager: January 2008 - Present
Engineering Manager: November 1990 – December 2007

Description and Responsibility:

Coordinate and organize District operations, working directly with the Board of Directors, staff, community members, private and governmental organizations in all short- and long-term planning

matters, management, administrative, engineering, and other related responsibilities necessary in the operation of a public water system with 25 fulltime employees serving a community of 13,500.

October 1983 — October 1990

Engineering Associate
Martin, Northart and Spencer; Consulting Engineers
Santa Barbara, California 93101

Description & Responsibility:

The above firm provides consulting engineering design and construction management services for private clients in general civil engineering design and acts in the same capacity as the consulting engineer for small municipalities and other governmental agencies in public works construction.

General responsibilities performed under public works included the preparation of governmental agency sponsored plans and specifications, bidding, construction management and contract administration for improvements to streets, water, sewer and drainage facilities. In addition to performing the above duties, other responsibilities included preparation of plans and specifications for clients in development of public and private water systems, including water treatment design. Water system design work would include development of new water sources, sizing of pumping stations, water distribution systems, treatment and reservoir facilities as well as construction inspection. All water system construction for potable water applications met the standards of the Department of Health Care Services within the jurisdiction of Santa Barbara County.

January 1982 - October 1983

Water System Technician
Hydranautics Water Systems
Lindmar Avenue
Santa Barbara, California

Description & Responsibility:

Hydranautics is a leading manufacturer and supplier of commercial and industrial Reverse Osmosis (R.O.) water treatment equipment. General responsibilities included operation, maintenance and management of water treatment systems in the Santa Barbara area. Management included implementation of general and specific maintenance procedures, data collection and analysis and report writing of system operation.

October 1974 - September 1975

Job Title: Diving System Operator
Taylor Diving and Salvage, Inc.
Bell Chasse, Louisiana; Aberdeen, Scotland

Description & Responsibility:

Taylor Diving and Salvage (TDS) is a large commercial diving company specializing in offshore oil field saturation diving operations. General duties with TDS included working during the off-season in their Louisiana headquarters constructing, testing and maintaining high pressure gas distribution equipment for use in diving saturation systems. During the diving season, duties included working on a Brown and Root pipe-laying barge off the coast of Scotland in the North Sea. General duties

included operation, monitoring and maintenance of life support systems and dive operations in conjunction with saturation diving work.

April 1973 — August 1974

Job Title: Finance Assistant
Parsons-Basil Inc. Architects/Engineers
Athens, Greece

Description & Responsibility

Parsons-Basil was an American/Greek joint venture effort working out of Athens, Greece for the Saudi Arabian government on the Saudi Naval Expansion Program (SNEP). General duties with Parsons-Basil involved administration, working directly with the project administrator in the preparation of monthly financial statements and performance of general cost accounting procedures. Other duties included working as a survey team leader in the construction of survey monuments in Jeddah, Saudi Arabia.

March 1972 — September 1972

Job Title; Class 1 Laborer
GENCO, Inc. (General Contractors)
Honolulu, Hawaii

Description & Responsibility

General duties with GENCO involved working on various major construction projects under a class-one laborer classification.