

Appendix A

Zone 7 Board Policy Resolutions

ZONE 7
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS

RESOLUTION NO. 99-2068

INTRODUCED BY DIRECTOR LAYTON

SECONDED BY DIRECTOR MARCHAND

WHEREAS, Zone 7 serves as the overall water quality management agency for the Alameda Creek watershed above Niles and has primary responsibility for management of the Livermore-Amador Valley's surface and groundwater resources;

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of Zone 7 Water Agency does hereby support the proposed Salt Management Program Implementation Plan and inclusion of the following policy goals in the Zone 7 annual operations plan:

- Offset the current 2200 tons per year of salt loading plus approximately 200 tons per year current projected annual increase;
- Maintain or improve groundwater mineral quality;
- Maintain or improve delivered water quality;
- Provide comparable delivered water quality to all retailers;
- Provide a mechanism for mitigation of all salt loading associated with recycled water use;
- Minimize total operational and maintenance costs through an adaptive management process.

BE IT FURTHER RESOLVED the Zone 7 General Manager is hereby authorized to proceed with the recommended year 2000-2002 Salt Management Implementation Plan.

ADOPTED BY THE FOLLOWING VOTE:

AYES: DIRECTORS CONCANNON, FIGURES, LAYTON, MARCHAND, STEVENS

NOES: NONE

ABSENT: DIRECTORS GRECI, KALTHOFF

ABSTAIN: NONE

I certify that the foregoing is a correct copy of a resolution Adopted by the Board of Directors of Zone 7 of Alameda County Flood Control and Water Conservation District on

August 18, 1999

Original resolution signed by the President, Board of Directors

ZONE 7
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS

RESOLUTION NO 04-2662

INTRODUCED BY DIRECTOR MARCHAND
SECONDED BY DIRECTOR CONCANNON

Reliability Policy for Municipal & Industrial Water Supplies

WHEREAS, the Zone 7 Board of Directors desires to maintain a highly reliable Municipal and Industrial (M&I) water supply system so that existing and future M&I water demands can be met during varying hydrologic conditions; and

WHEREAS, the Board has an obligation to communicate to its M&I customers and municipalities within its service area the ability of the Zone's water supply system to meet projected water demands.

WHEREAS, the Board on May 15, 2002 adopted Resolution No. 02-2382 setting forth its Reliability Policy for Municipal & Industrial Water Supplies; and

WHEREAS, the Zone's current water supply policy includes a provision for a valley-wide groundwater production capability to meet 75% of valley-wide M&I demand in the event of an outage of the South Bay Aqueduct; and

WHEREAS, the Board desires to revise the Reliability Policy to include all Zone 7 water supply facilities and to clarify demand levels for planning purposes;

NOW, THEREFORE, BE IT RESOLVED that the Board hereby rescinds Resolution No. 02-2382 adopting the May 15, 2002 Reliability Policy for Municipal & Industrial Water Supplies; and

BE IT FURTHER RESOLVED that the Board hereby adopts the following policy goals regarding reliability¹ to guide the management of the Zone's M&I water supplies as well as its Capital Improvement Program (CIP)²:

- GOAL 1. Meet 100% of its treated water customers water supply needs in accordance with Zone 7's most current Contracts for M&I Water Supply, including existing and projected demands for the next 20 years as specified in Zone 7's Urban Water Management Plan, (UWMP), which will be coordinated with Zone 7's M&I water Contractors. Zone 7 will endeavor to meet this goal during an average water year³, a single dry water year⁴, and multiple dry water years⁵, and

GOAL 2: Provide sufficient treated water production capacity and infrastructure to meet at least 75% of the maximum daily M&I contractual demands should any one of Zone 7's major supply, production or transmission facilities experience an extended unplanned outage.

BE IT FURTHER RESOLVED that to ensure that this Board policy is carried out effectively, the Zone 7 General Manager will provide a water supply status report to the Board every five years with the Zone 7 Urban Water Management Plan that specifies how these goals can be, or are being, achieved.

If the General Manager finds that the goals might not be met, then the Board will hold a public hearing within two months of the General Manager's finding to consider remedial actions that will bring the Zone into substantial compliance with the stated reliability goals. Remedial actions may include, but are not limited to, voluntary conservation or mandatory rationing to reduce water demands, acquisition of additional water supplies, and/or a moratorium on new water connections. After reviewing staff analyses and information gathered at the public hearing, the Board shall, as expeditiously as is feasible, take any additional actions that are necessary to meet the reliability goals during the following five-year period; and

BE IT FURTHER RESOLVED that the Zone 7 General Manager shall prepare an Annual Review of the Sustainable Water Supply Report which includes the following information:

- (1) An estimate of the current annual average water demand for M&I water as well as a five-year projection based on the same information used to prepare the UWMP and CIP;
- (2) A summary of available water supplies⁶ to Zone 7 at the beginning of the calendar year;
- (3) A comparison of current water demands with the available water supplies; and
- (4) A discussion of water conservation requirements and other long-term water supply programs needed to meet Zone 7 M&I water demands for a single dry water year and multiple dry years, as specified in the Zone's UWMP.

A summary of this review will be provided to M & I customers.

Definitions

¹**Reliability**—the ability of a water supply system to provide water during varying hydrologic conditions without the need for reductions in water use.

²**Capital Improvement Program (CIP)**—the CIP is the Zone's formal program for developing surface and ground water supplies, along with associated infrastructure, including import water conveyance facilities, surface water treatment plants, groundwater wells, and M&I water transmission system to meet projected water demands.

³**Average water year**—the statistical average quantity of water from all of the water supplies available to Zone 7 on a contractual or legal basis (e.g., surface water runoff to Del Valle reservoir), based on the historical hydrologic records available to Zone 7.

⁴**Single dry water year**—for the purposes of meeting the requirements of the UWMP, the Zone 7 staff will identify and justify the selection of a calendar year from the historic record that represents the lowest yield from all normally contracted or legally available supplies.

⁵**Multiple dry water years**—for the purposes of meeting the requirements of the UWMP, the Zone 7 staff will identify and justify the selection of three or more consecutive dry years from the historic record that represent the lowest yields from all normally contracted or legally available supplies.

⁶**Available water supplies** consist solely of (1) water supplies that the Zone 7 has contracted for (e.g., listed under Schedule A of the State Water Contract, dry-year water options, special contracts with other water districts, etc.) and (2) water actually stored in surface and subsurface reservoirs.

ADOPTED BY THE FOLLOWING VOTE:

AYES: DIRECTORS CONCANNON, GRECI, KOHNEN, MARCHAND, QUIGLEY

NOES: NONE

ABSENT: DIRECTORS KALTHOFF, STEVENS

ABSTAIN: NONE

I certify that the foregoing is a correct copy of a resolution
Adopted by the Board of Directors of Zone 7 of Alameda
County Flood Control and Water Conservation District on

August 18, 2004 _____

Original resolution signed by the President, Board of Directors

ZONE 7
ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

BOARD OF DIRECTORS

RESOLUTION NO.

INTRODUCED BY DIRECTOR MARCHAND

SECONDED BY DIRECTOR KALTHOFF

Water Quality Policy for Potable and Non-potable Water

WHEREAS, the Zone 7 Board of Directors is committed to delivering high quality water supplies, to its potable (treated drinking water) and non-potable water Contractors, that meet or exceed the California Department of Health Services and the United States Environmental Protection Agency's public health requirements in accordance with existing water supply agreements, in a manner that is fiscally responsible, proactive, and environmentally sensitive; and

WHEREAS, the Board desires to deliver potable water of an approximately equal quality to each Municipal and Industrial (M&I) Contractor without diminishing their existing water quality; and

WHEREAS, the Board desires to deliver non-potable water of an appropriate quality for irrigation users from current surface and ground water supplies, and as a blended source of untreated and recycled water, when available.

NOW, THEREFORE, BE IT RESOLVED that the Board hereby adopts the following policy goals regarding water quality to guide the Zone 7 potable and non-potable water operations and its Capital Improvement Program:

GOAL 1 – Zone 7 shall continue to meet all state and federal primary Maximum Contaminant Levels¹ (MCLs) for potable water delivered to the M&I Contractors' turnouts, in accordance with existing water supply agreements. In addition, Zone 7 shall deliver potable water of a quality that is as close as technically feasible and fiscally responsible to the Public Health Goals² (PHGs) and/or Maximum Contaminant Level Goals³ (MCLGs). To ensure a margin of safety, the delivered water shall generally be of a quality that contains no greater than 80 percent of the applicable state or federal primary MCLs.

GOAL 2 – Zone 7 shall meet all state and federal secondary MCLs¹ in the potable water delivered to its M&I Contractors' turnouts. In addition, Zone 7 shall, within technical and fiscal constraints, proactively mitigate earthy-musty taste and odor events from surface water supplies and reduce hardness levels to "moderately hard", defined as 75 to 150 mg/L. Also, Zone 7 shall optimize its treatment processes to minimize chlorinous odors by maintaining consistent disinfectant dosage and residual.

GOAL 3 – Zone 7 shall endeavor to deliver to its non-potable Contractor turnouts, from a variety of sources, water of a quality that meets the irrigation needs of its Contractors and does not negatively impact vegetation, crops, or soils.

GOAL 4 – In order to achieve Goals 1 through 3, Zone 7 shall continue to work to improve the quality of its source waters. This may be achieved through Zone 7's Salt Management Plan, which will maintain or improve the water quality in the groundwater basin, and through advocacy of improvements in the State

Water Project, its' facilities and their operations, which may improve the source water of Zone 7's surface water supplies. In addition, Zone 7 will encourage the retailers to take similar steps as those outlined in this policy to improve the quality of the retail customers' water.

BE IT FURTHER RESOLVED that this Board policy be reviewed and updated as needed. Also, to ensure that this Board policy is carried out effectively, the Zone 7 General Manager shall implement the following actions:

- An Implementation Plan shall be prepared as a part of the Water Quality Management Program to implement treatment or other processes necessary to meet the water quality policy goals. Optimization of system operations will be recommended, wherever possible, prior to the identification of the need for capital improvements;
- The Implementation Plan shall be reviewed and updated every two years, or sooner if required, to reflect any emerging water quality issues and other relevant regulatory and/or technology development; and
- The Implementation Plan, and any subsequent updates, shall be incorporated into the annual updates of Zone 7's Five-year Capital Improvement Plan, as feasible.

¹ Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

² Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

³ Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the United States Environmental Protection Agency.

ADOPTED BY THE FOLLOWING VOTE:

AYES: DIRECTORS CONCANNON, GRECI, JOHNSTON, KALTHOFF, LAYTON, MARCHAND

NOES: NONE

ABSENT: DIRECTOR STEVENS

ABSTAIN: NONE

I certify that the foregoing is a correct copy of a resolution
Adopted by the Board of Directors of Zone 7 of Alameda
County Flood Control and Water Conservation District on

April 16, 2003 _____

Original resolution signed by the President, Board of Directors

**City of Pleasanton
Resolution No. 05-065**

**DSRSD
Resolution No. 35-05**

**Zone 7 Water Agency
Resolution No. 06-2783**

**JOINT RESOLUTION
CITY OF PLEASANTON
DUBLIN SAN RAMON SERVICES DISTRICT
ZONE 7 WATER AGENCY**

A JOINT RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PLEASANTON, THE BOARD OF DIRECTORS OF THE DUBLIN SAN RAMON SERVICES DISTRICT AND THE BOARD OF DIRECTORS OF THE ZONE 7 WATER AGENCY REGARDING WATER QUALITY

WHEREAS, the existing Zone 7 Water Quality Policy and Implementation Plan was adopted on April 16, 2003 after extensive discussions with stakeholders, and with the support of the Retail Water Contractors California Water Service Company, the Dublin San Ramon Services District, the City of Livermore, and the City of Pleasanton; and

WHEREAS, the adopted Water Quality Policy and Implementation Plan identified specific water quality targets, and proposed specific projects and implementation schedules; and

WHEREAS, the proposed projects are currently on schedule: and

WHEREAS, the Water Quality Policy calls Zone 7 to review and update that document at a minimum of every two years; and

WHEREAS, opinion surveys conducted by Zone 7, the City of Pleasanton, and the Dublin San Ramon Services show that a substantial number of customers desire feasible improvements to the quality of their delivered water; and

WHEREAS the Dublin San Ramon Services District and the City of Pleasanton desire revisions to the existing Water Quality Policy, Goals, and Implementation Plan, and desire that the Water Quality Goals, and Implementation Plan schedules and that various

City of Pleasanton Resolution No. 05-065
DSRSD Resolution No. 35-05
Zone 7 Water Agency Resolution No. 06-2783

other options to further improve water quality be evaluated in the ongoing biannual review of the Water Quality Policy; and

WHEREAS, the Dublin San Ramon Services District and the City of Pleasanton understand that the acceleration of project schedules, and the implementation of additional improvements to water quality may result in added costs to their customers; and;

WHEREAS, on May 13, 2005 a special meeting involving members of the City Council of the City of Pleasanton, the Board of Directors of the Dublin San Ramon Services District and the Board of Directors of the Zone 7 Water Agency was held for the purpose of discussing mutual concerns about the taste, odor and hardness of the water received by the customers of all three agencies; and

WHEREAS, the participants at that meeting expressed a shared desire to take prudent and practical steps to improve the taste and reduce the odor and hardness of the delivered water; and

WHEREAS, the road to improve the taste and to reduce the odor and hardness of the delivered water will include new facilities, operational considerations and financial decisions in which all three agencies have an interest; and

WHEREAS, another meeting involving members of the City Council of the City of Pleasanton, the Board of Directors of the Dublin San Ramon Services District and the Board of Directors of the Zone 7 Water Agency was held on August 1, 2005; and

WHEREAS, the City Council of the City of Pleasanton, the Board of Directors of the Dublin San Ramon Services District and the Board of Directors of the Zone 7 Water Agency wish to express their mutual commitment to work together for the benefit of the common customers they all serve.

City of Pleasanton Resolution No. 05-065
DSRSD Resolution No. 35-05
Zone 7 Water Agency Resolution No. 06-2783

NOW, THEREFORE BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PLEASANTON, THE BOARD OF DIRECTORS OF THE DUBLIN SAN RAMON SERVICES DISTRICT AND THE BOARD OF DIRECTORS OF THE ZONE 7 WATER AGENCY AS FOLLOWS:

1. That the City of Pleasanton and the Dublin San Ramon Service District do hereby express their formal support for the water quality improvement projects listed in the Zone 7 brochure entitled "Water Quality Projects 2005-2015; December 2004"; and

2. That the Zone 7 Water Agency does hereby formally acknowledge the importance of the water quality concerns of the City of Pleasanton and the Dublin San Ramon Services District and commits to implementing the water quality improvements projects shown in the December 2004 brochure referenced in paragraph 1 in a prudent but expeditious manner; and

3. That the City of Pleasanton, the Dublin San Ramon Services District and the Zone 7 Water Agency pledge to work together to explore and identify ways to make further progress to improve the taste and reduce the odor and hardness of the water that is served to all customers; and

4. That City of Pleasanton, the Dublin San Ramon Services District and the Zone 7 Water Agency commit to do this in a way that will not degrade the quality of the water served to other parts of the Zone 7 service area.

5. That the attached "Policy Principles" will guide the City of Pleasanton, the Dublin San Ramon Services District and the Zone 7 Water Agency in developing and implementing projects, programs and operational guidelines related to improving delivered water quality.

City of Pleasanton Resolution No. 05-065
DSRSD Resolution No. 35-05
Zone 7 Water Agency Resolution No. 06-2783

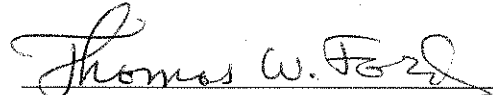
Adopted and passed by the Board of Directors of the Dublin San Ramon Services
District at its regular meeting held on August 2, 2005 by the following vote:

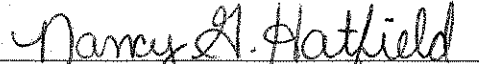
AYES: 5 - Directors Daniel J. Scannell, Richard M. Halket, Jeffrey G.
Hansen, Dwight L. Howard, Thomas W. Ford

NOES: 0

ABSENT: 0

ABSTAIN: 0

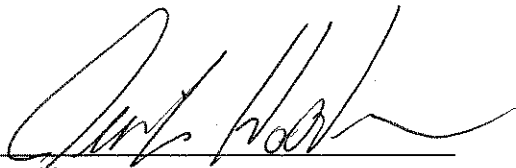

Thomas W. Ford, President

ATTEST: 
Nancy G. Hatfield, District Secretary

City of Pleasanton Resolution No. 05-065
DSRSD Resolution No. 35-05
Zone 7 Water Agency Resolution No. 06-2783

Adopted and passed by the City Council of the City of Pleasanton at its regular meeting held on August 16, 2005 by the following vote:

AYES: Councilmembers – Brozosky, McGovern, Sullivan, Thorne and Mayor Hosterman
NOES: None
ABSENT: None
ABSTAIN: None




Jennifer Hosterman, Mayor

APPROVED AS TO FORM:


for Michael H. Roush, City Attorney

ATTEST:


Dawn G. Abrahamson, City Clerk

City of Pleasanton Resolution No. 05-065
DSRSD Resolution No. 35-05
Zone 7 Water Agency Resolution No. 06-2783

Adopted and passed by the Board of Directors of the Zone 7 Water Agency at its regular meeting held on August 17, 2005 by the following vote:

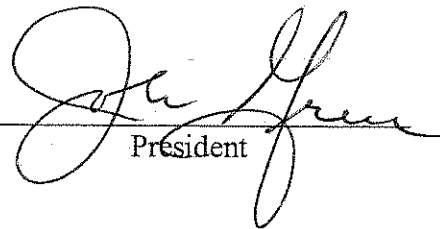
AYES: DIRECTORS CONCANNON, GRECI, KALTHOFF, KOHNEN, MARCHAND, QUIGLEY

NOES: NONE

ABSENT: DIRECTOR STEVENS

ABSTAIN: NONE

ATTEST: 
District Secretary


President

POLICY PRINCIPLES
For
ZONE 7 WATER QUALITY PROGRAM
Related to
IMPLEMENTATION PLAN UPDATE
In the areas of
GENERAL POLICIES
OPERATIONS
FACILITIES
EDUCATION
FUNDING

INTENT

The intent of these Policy Principles is to document the mutual expectations of the policy makers in the Tri-Valley related to the updating and implementation of Zone 7 Water Quality Program and the role of the Retailers in the updating of that program.

ZONE 7 WATER QUALITY PROGRAM

Zone 7 Water Quality Policy, Goals, and Targets, adopted by the Zone 7 Board of Directors in 2003, were developed after extensive discussions with, and in cooperation with, local retail water Contractors, including the California Water Service Company, the Cities of Livermore and Pleasanton, and the Dublin San Ramon Services District, and other interested stakeholders. The adopted Water Quality Policy expressly required that the Water Quality Program Implementation Plan be reviewed and updated at a minimum of every two years to reflect any emerging water quality issues and/or other relevant regulatory and/or technology development, and that, as feasible, any plan updates be incorporated into the annual updates of the Zone 7 Capital Improvement Plan. Zone 7 staff began work on the initial update to the adopted 2003 Implementation Plan in March 2005.

Opinion surveys conducted by Zone 7, the City of Pleasanton, and the Dublin San Ramon Services District show that a substantial number of customers desire feasible improvements to the quality of their water supply.

The following is a brief description of the preliminary Work Plan for the Water Quality Policy and Implementation Plan Update and the anticipated schedule.

Phase I:

Zone 7 staff will prepare an informational item to be presented to the Zone 7 Board of Directors in September, 2005 which will consist of a technical water quality report card. This Phase I Report Card will include graphical presentations of the status of each constituent of concern in relation to the Water Quality Targets, which were specified in the 2003 Zone 7 Water Quality Policy and Implementation Plan, at Retail Contractors'

turnouts. If desired, a similar presentation will be made at the Committee of Valley Water Retailers, which includes the California Water Service Company, the Dublin San Ramon Services District, the City of Livermore, and the City of Pleasanton. (CoVWR) at their annual October meeting.

Phase II:

Beginning in July/August, 2005 and concurrent with the development of the Water Quality Report Card, Zone 7 staff will develop a technical tool box, considering the Policy Principles herein, to assist in identifying and evaluating alternative projects or activities that would enhance Zone 7's ability to meet the Board's adopted Water Quality Policy Goals. For example, based on any data gaps identified in the Phase I Report Card, what could be done to better assess the water quality impacts of ongoing & future planned projects e.g. additional water quality monitoring, data collection, or modeling/forecasting needs for each retailer turnout? Phase II work is expected to be completed in September, 2005.

Phase III:

Initiate discussions in October/November, 2005 with Retail Water Contractors and other stakeholders, as appropriate, to further develop the technical tool box, and to further discuss Policy Principles in an effort to identify mutually acceptable Policies and feasible activities to incorporate into the Water Quality Program Implementation Plan and/or the Zone 7 Water Quality Policy. Phase III is expected to be accomplished within six months of its actual implementation date.

ROLE OF THE RETAILERS

Zone 7 will maintain a regular dialog with the retail agencies at all levels as appropriate throughout the development of the Water Quality Program. The schedule for any discussions will be such that there will be an opportunity for meaningful input from the retailers ahead of any decisions made by Zone 7 staff or Board. DSRSD and Pleasanton will provide input in a timely manner and will encourage the other retailers to do likewise. Zone 7 shall give serious consideration to the comments and suggestions of the Retailers.

POLICY PRINCIPLES

Identified in the following sections are mutually agreeable Policy Principles related to water quality. These Policy Principles will be evaluated in detail during Phase III discussions with Retail Water Contractors, and other interested stakeholders. The staff's of the parties will report back at a combined meeting of the Agencies' policy makers as the proposed method and schedule for adoption of the appropriate Policy Guidelines.

General Policy Principles

1. Reaffirm contractual commitment to provide aesthetically acceptable water and to blend Zone 7's different water sources within its operational capabilities to provide approximately equal quality water to each of the retailers.
2. Support the water quality projects in Zone 7's four-page brochure entitled "Water Quality Projects 2005-2015, December 2004".
3. Support and cooperate with development and implementation of the Salt Management Program.
4. Program and Project recommendations must not result in any degradation of the existing delivered water quality for east side retailers.
5. Each liaison committee (Pleasanton-Zone 7; Pleasanton-DSRSD and DSRSD-Zone 7) will receive a common staff report from the managers of each agency every six months on the status of the various efforts called for within these Policy Principles; those liaison committees may call for separate or combined liaison meetings to discuss the status reports.

Operational Principles

1. Examine Zone 7 and retailer operating practices over time (summer to winter, day to day and at individual turnouts to the retailers), at both present and future facilities, that could be feasibly optimized to improve, and to better equalize delivered water quality.
2. Establish operations guidelines for Zone 7 wells, that without compromising overall system reliability, would be consistent with the goals of delivering aesthetically acceptable water to retailers' turnouts, and improving and, to the extent possible, equalizing delivered water quality.
3. Study operational capacities of water treatment plants and transmission facilities to maximize deliveries of treated surface water to retailer turnouts.
4. Examine the practical extent to which wells with demineralization capabilities can be preferentially operated before wells without demineralization capabilities, without compromising overall water system reliability.

Facilities Principles

1. Implement all projects in the 4 page Water Quality brochure on the schedule shown to the maximum extent possible among which are projects that will improve the hardness, taste and odor of water delivered to the west side retailers.
2. Identify and evaluate the potential effectiveness and feasibility of constructing new facilities (pipelines, pumping facilities etc.) to minimize variations in

delivered water quality, to improve overall delivered water quality, and to better equalize delivered water quality.

3. Examine the feasibility of installing treatment facilities at individual turnouts to improve and to better equalize the water quality delivered to individual retailers
4. Examine the feasibility of "point of use" treatment devices or facilities in localized areas.
5. Examine alternative means to deliver treated surface water from any of the treatment plants to points closer to retailer turnouts so as to better balance surface water deliveries to each retailer.
6. Support those taste and odor improvement projects that will benefit east side retailers.

Educational Principles

1. Develop joint educational material for the public regarding local water supplies, emphasizing all the actions taken and to be taken to improve water quality, including how those actions affect each retailer.
2. Develop joint educational material describing the benefits of the Salt Management Program.

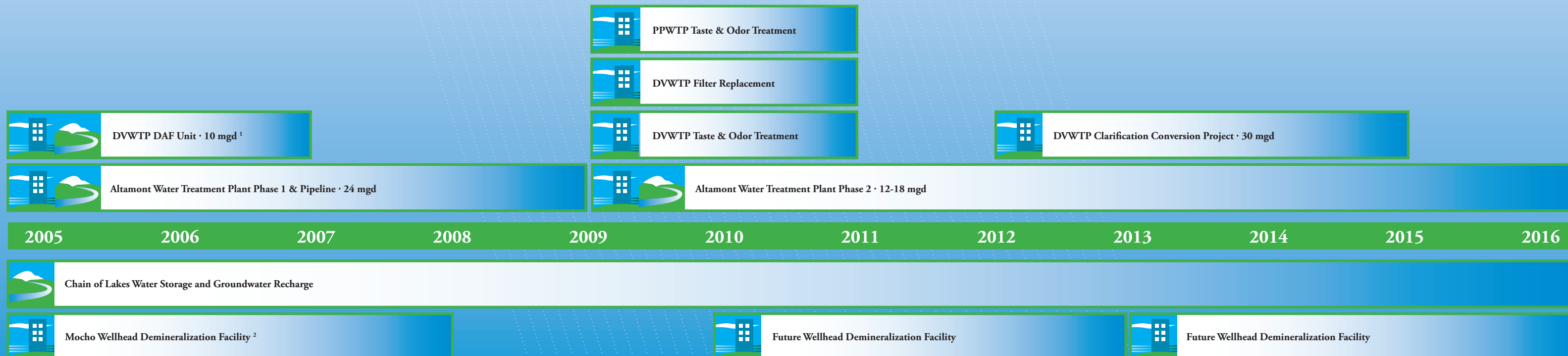
Funding Principles

1. Identify and evaluate the most appropriate alternatives to equitably fund the capital and operating costs needed to improve water quality.
2. Provide bi-annual reports to the community describing the condition of Zone 7 water system assets, actual and proposed uses of Asset Management Program (AMP) Funds, AMP fund balances, and the ability of the Asset Management Fund to meet the needs for which it has been established.

ACHIEVING OUR VISION: WATER QUALITY CAPITAL IMPROVEMENT PROJECTS • 2005 ~ 2015

Each year, Zone 7 plans projects needed over the next 10 years to help meet water quality goals. Water quality projects are prioritized to ensure the health and safety of the drinking water supply. These projects are described and updated in the Capital Improvement Plan (CIP). The CIP is a financial planning document that prioritizes, schedules, and budgets a variety of Zone 7 water resource projects. The CIP also identifies how projects will be paid for: with development fees, water rates, property taxes, or by borrowing money.

Zone 7 updates the CIP each year with input from water retailers in the Livermore-Amador Valley. Although the CIP covers projects for the next ten years, it is the best of what we know about source water quality and water treatment technologies today. Zone 7 revises the CIP annually to reflect innovations in water treatment technologies and what works best on our local water supplies. Because water quality varies by source, projects that bring new supplies into Zone 7's system can have overall water quality benefits. The timeline below illustrates water quality related projects included in the 2005 10-year CIP. The schedule reflects the acceleration of several projects since the CIP's adoption.



PROJECT COSTS

- Altamont Water Treatment Plant and Pipeline - \$160 million (funded by development fees and possibly debt financing).³ The South Bay Aqueduct Improvement and Enlargement Project, which will supply raw water to the Altamont Water Treatment Plant, is funded by development fees and debt financing.
- Chain of Lakes - \$30 million (funded by development fees)
- Wellhead Demineralization - \$60.5 million for first two phases (funded by development fees and water rates)
- Taste & Odor Treatments - \$6 million (funded by development fees and water rates)
- DVWTP Dissolved Air Flotation, Filter Replacement, and Clarification Conversion Projects - \$15.3 million (funded by development fees and water rates)

Schedule and Cost Changes Since December 2004:

- 1) Originally estimated to be in service in September 2006, but delayed until Spring 2007 to accommodate a second construction bid process, which reduced costs by \$5 million.
- 2) Originally estimated to be in service in 2007, but delayed until 2008. Project completion is still pending permits for brine disposal.
- 3) Costs rose from an estimated \$132 million due to revisions in pipeline alignment, increases in steel and other material costs. Zone 7 is considering debt service to cover a portion of the cost increase.

L E G E N D

Project Duration

Project to Provide Additional Source Water

Project to Provide Improved Treatment Processes

DVWTP - Del Valle Water Treatment Plant
PPWTP - Patterson Pass Water Treatment Plant