

April 2, 2018

MEETING NOTICE & REQUEST FOR RSVP

TO: ENVIRONMENTAL AND WATER RESOURCES COMMITTEE

<u>Jurisdiction</u>	<u>Representative</u>	<u>Representative</u>	<u>Representative</u>
District 1	Bonnie Bamburg	Loren Lewis	Rita Norton
District 2	Elizabeth Sarmiento		
District 3	Hon. Dean Chu	Rev. Jethroe Moore, II	Charles Taylor
District 4	John Bourgeois	Bob Levy	Richard R. Zahner
District 5	Hon. Tara Martin-Milius	Mike Michitaka	Marc Rauser
District 6	Maya Esparza	Hon. Patrick Kwok	
District 7	Tess Byler	Arthur M. Keller, Ph.D.	Stephen A. Jordan

The regular meeting of the Environmental and Water Resources Committee is scheduled to be held on **Monday, April 16, 2018, at 6:00 p.m.** in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California. Dinner will be served.

Enclosed are the meeting agenda and corresponding materials. Please bring this packet with you to the meeting. Additional copies of this meeting packet are available on-line at <http://www.valleywater.org/About/EnvironmentalandWaterResourcesCommittee.aspx>.

A majority of the appointed membership is required to constitute a quorum, which is fifty percent plus one. A quorum for this meeting must be confirmed at least 48 hours prior to the scheduled meeting date or it will be canceled.

Further, a quorum must be present on the day of the scheduled meeting to call the meeting to order and take action on agenda items.

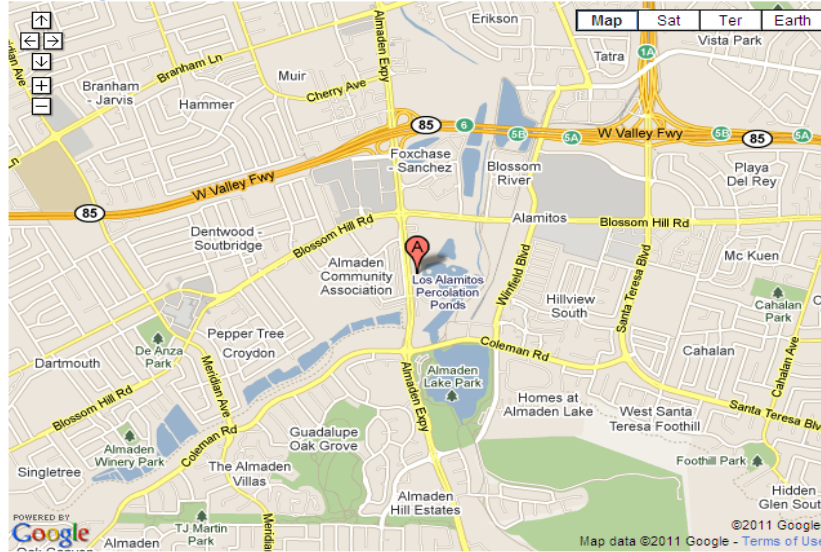
Members with two or more consecutive unexcused absences will be subject to rescinded membership.

Please confirm your attendance **no later than Thursday, April 12, 2018, 5:00 p.m.** by contacting Ms. Glenna Brambill at 1-408-630-2408, or gbrambill@valleywater.org.

Enclosures



**Santa Clara Valley Water District - Headquarters Building,
5700 Almaden Expressway, San Jose, CA 95118**



From Oakland:

- Take 880 South to 85 South
- Take 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Morgan Hill/Gilroy:

- Take 101 North to 85 North
- Take 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- Cross Blossom Hill Road
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Sunnyvale:

- Take Highway 87 South to 85 North
- Take Highway 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From San Francisco:

- Take 280 South to Highway 85 South
- Take Highway 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Downtown San Jose:

- Take Highway 87 - Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (first traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Walnut Creek, Concord and East Bay areas:

- Take 680 South to 280 North
- Exit Highway 87-Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance



Committee Officers

Loren Lewis, Committee Chair
Arthur M. Keller, Ph.D., Committee Vice Chair

Board Representative

Tony Estremera, Board Representative
Nai Hsueh, Board Alternate
Linda J. LeZotte, Board Representative

AGENDA

ENVIRONMENTAL AND WATER RESOURCES COMMITTEE

MONDAY, APRIL 16, 2018

6:00 p.m. – 8:00 p.m.

**Santa Clara Valley Water District
Headquarters Building Boardroom
5700 Almaden Expressway
San Jose, CA 95118**

Time Certain:

6:00 p.m.

1. Call to Order/Roll Call

2. Time Open for Public Comment on Any Item Not on Agenda

Comments should be limited to two minutes. If the Committee wishes to discuss a subject raised by the speaker, it can request placement on a future agenda.

3. Approval of Minutes

3.1 Approval of Minutes – January 22, 2018, meeting

4. Action Items

4.1 Overview of District's Flood Protection Management Plan (Vincent Gin)

Recommendation: This is a discussion item and the Committee may provide comments, however, no action is required.

4.2 Review and Comment to the Board on the Fiscal Year 2019 Proposed Groundwater Production Charges (Darin Taylor)

Recommendation: This is an action item to provide comment to the Board in the implementation of the District's mission as it applies to staff's groundwater production charge recommendation for FY 2018–19.

4.3 Update from Working Groups (Committee Chair)

Recommendation: Provide comment to the Board in the implementation of the District's mission as it applies to the working groups' recommendations.

4.4 Review Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda (Committee Chair)

Recommendation: Review the Board-approved Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

5. **Clerk Review and Clarification of Committee Requests to the Board**

This is a review of the Committee's Requests, to the Board (from Item 5). The Committee may also request that the Board approve future agenda items for Committee discussion.

6. **Reports**

Directors, Managers, and Committee members may make brief reports and/or announcements on their activities. Unless a subject is specifically listed on the agenda, the Report is for information only and not discussion or decision. Questions for clarification are permitted.

6.1 Director's Report

6.2 Manager's Report

6.3 Committee Member Reports

7. **Adjourn:** Adjourn to next regularly scheduled meeting at 6:00 p.m., **July 16, 2018**, in the Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118.

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarter Building, 5700 Almaden Expressway, San Jose, CA., 95118, at the same time that the public records are distributed or made available to the legislative body.

The Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend committee meetings. Please advise the Clerk of the Board office of any special needs by calling 1-408-630-2277.

Environmental and Water Resources Committee's Purpose and Duties

The Environmental and Water Resources Committee of the Santa Clara Valley Water District is established to assist the Board of Directors (Board) with policies pertaining to water supply, flood protection and environmental stewardship.

The specific duties are:

- Prepare policy alternatives;
- Provide comment on activities in the implementation of the District's mission; and
- Produce and present to the Board an Annual Accomplishments Report that provides a synopsis of the annual discussions and actions.

In carrying out these duties, Committee members bring to the District their respective expertise and the interests of the communities they represent. In addition, Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.



ENVIRONMENTAL AND WATER RESOURCES COMMITTEE MEETING

DRAFT MINUTES

**MONDAY, JANUARY 22, 2018
6:00 PM**

(Paragraph numbers coincide with agenda item numbers)

A regular scheduled meeting of the Environmental and Water Resources Committee (Committee) Meeting was held on January 22, 2018, in the Headquarters Building Boardroom at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California.

1. CALL TO ORDER/ROLL CALL

Chair Loren Lewis called the meeting to order at 6:04 p.m.

Members in attendance were:

<u>District</u>	<u>Representative</u>
District 1	Loren Lewis Rita Norton
District 2	Elizabeth Sarmiento*
District 3	Hon. Dean Chu Rev. Jethroe Moore, II Charles Taylor
District 4	Bob Levy Richard Zahner
District 5	Mike Michitaka Marc Rauser
District 6	Maya Esparza
District 7	Tess Byler Stephen A. Jordan Arthur M. Keller, Ph.D.

Members not in attendance were:

<u>District</u>	<u>Representative</u>
District 1	Bonnie Bamburg
District 4	John Bourgeois
District 5	Hon. Tara Martin-Milius
District 6	Hon. Patrick S. Kwok

*Committee members arrived as noted below.

Board members in attendance were: Director Tony Estremera, Board Representative, Director Nai Hsueh, Board Alternate and Director Linda J. LeZotte, Board Representative.

Staff members in attendance were: Glenna Brambill, Usha Chatwani, Vincent Gin, Garth Hall, and Melanie Richardson.

2. PUBLIC COMMENT

There was no one present who wished to speak, however, for the record a handout from Mr. Richard McMurtry was distributed.

3. APPROVAL OF MINUTES

It was moved by Ms. Rita Norton, seconded by Ms. Maya Esparza and unanimously carried, to approve the October 16, 2017, Environmental and Water Resources Committee meeting minutes, as presented.

4. ELECTION OF CHAIR AND VICE CHAIR

It was moved by Ms. Tess Byler, seconded by Mr. Bob Levy and unanimously carried, to approve Mr. Loren Lewis as the 2018 Chair for the Environmental and Water Resources Committee.

It was moved by Mr. Stephen Jordan, seconded by Ms. Tess Byler and unanimously carried, to approve Arthur M. Keller, Ph.D. as the 2018 Vice Chair for the Environmental and Water Resources Committee.

5. ACTION ITEMS

5.1 REVIEW AND APPROVE 2017 ANNUAL ACCOMPLISHMENTS REPORT FOR PRESENTATION TO THE BOARD

Chair Loren Lewis reviewed the materials as outlined in the agenda item and the updated spreadsheet distributed.

It was moved by Arthur M. Keller, Ph.D., seconded by Rev. Jethroe Moore, II and unanimously carried, to approve the 2017 Annual Accomplishments Report for presentation to the Board as noted on the updated handout.

*Ms. Elizabeth Sarmiento arrived at 6:18 p.m.

5.2 CIVIC ENGAGEMENT

Ms. Marta Lugo reviewed the materials as outlined in the agenda item.

Directors Nai Hsueh and Linda J. LeZotte were available to answer questions.

Mr. Loren Lewis, Arthur M. Keller, Ph.D., Ms. Maya Esparza, Ms. Rita Norton, Mr. Mike Michitaka and Mr. Bob Levy spoke on the grants programs, school programs, and the various aspects of Civic Engagement.

No action was taken.

5.3 UPDATE FROM WORKING GROUPS

Mr. Loren Lewis reviewed the materials as outlined in the agenda item.

The Committee requested the spreadsheet be sent via email to them to update their participation. Ms. Glenna Brambill will send to the Committee.

No action on this agenda item.

5.4 REVIEW OF ENVIRONMENTAL AND WATER RESOURCES COMMITTEE WORK PLAN, THE OUTCOMES OF BOARD ACTION OF COMMITTEE REQUESTS AND THE COMMITTEE'S NEXT MEETING AGENDA

Mr. Loren Lewis and Ms. Glenna Brambill reviewed the materials as outlined in the agenda item.

It was moved by Mr. Bob Levy, seconded by Hon. Dean Chu, and by majority vote carried, to approve adding Salmonid on District's Water Ways as an action item to the work plan. Mr. Mike Michitaka and Rev. Jethroe Moore, II abstained.

Mr. Vincent Gin was available to answer questions.

The Committee asked that Habitat Conservation and Overview of District's Flood Protection Management Plan become action items.

Director Linda J. LeZotte gave some clarification on the Habitat Conservation Plan.

It was moved by Ms. Tess Byler, seconded by Arthur M. Keller, Ph.D. and by majority vote carried, to approve removing the HCP and adding FAHCE Update as an action item to the work plan. Mr. Loren Lewis abstained.

Director Nai Hsueh explained about the Board's Policy and Planning Committee's (BPPC) scope and having agenda items align with the Board's performance measures throughout the year. The EWRC could send a liaison to the BPPC Committee to get a clearer understanding of the Board's scope for their Advisory Committees. The meetings are on the fourth Mondays at 2:00 p.m. Chair Lewis and Vice Chair Keller will be added to the invite list.

6. INFORMATION ONLY ITEMS

6.1 UPDATE ON THE DISTRICT'S WINTER PREPAREDNESS

Mr. Raymond Fields was available to answer questions on this agenda item.

Arthur M. Keller, Ph.D., Ms. Rita Norton, Mr. Marc Rauser, Mr. Charles Taylor and Mr. Loren Lewis, asked clarifying questions on creeks, homeless, and storm prevention.

6.2 RECEIVE INFORMATION ON SHALLOW AQUIFERS, DEWATERING, RECHARGE, WELL PUMPING (WHEN TO USE OR NOT)

Ms. Vanessa De La Piedra was available to answer questions on this agenda item.

Ms. Rita Norton, Arthur M. Keller, Ph.D., Mr. Bob Levy, and Mr. Stephen Jordan asked clarifying questions on having a clearer map of the areas, hydrology, recharge areas and negative subsidence.

7. **CLERK REVIEW AND CLARIFICATION OF COMMITTEE'S REQUESTS TO THE BOARD**

Ms. Glenna Brambill reported there was one Committee action item for the Board consideration and one for Committee action.

The Committee took the following action:

Agenda Item 5.1

The Committee unanimously approved the 2017 Annual Accomplishments Report for presentation to the Board.

Agenda Item 5.4

The Committee by majority vote approved to add Salmonid on District's Water Ways as an action item to the work plan; and

The Committee by majority vote approved removing the HCP and adding FAHCE Update as an action item to the work plan.

8. **REPORTS**

8.1 Director's Report

Director Linda J. LeZotte reported on the following:

- Board Action
- Water Supply
- Flood Protection
- Community Outreach

8.2. Manager's Report

Mr. Garth Hall reported on the following updates:

- San Felipe Pipeline
- Calero Reservoir
- Proposition 1 – Funding Source Pacheco Reservoir

Mr. Vincent Gin reported on the following:

- Rockefeller Grant Competition—kick off meeting January 2018

8.3 Committee Member Reports

Arthur M. Keller, Ph.D. thanked Ms. Elizabeth Sarmiento for an outstanding job as the 2017 Committee Vice Chair.

9. **ADJOURNMENT**

Chair Mr. Loren Lewis adjourned at 7:57 p.m. to the next regular meeting on Monday, April 16, 2018, at 6:00 p.m., in the Santa Clara Valley Water District Headquarters Boardroom.

Submitted by:

Glenna Brambill
Board Committee Liaison
Office of the Clerk of the Board

Approved:



Committee: Environmental and Water Resources
Meeting Date: 04/16/18
Agenda Item No.: 4.1
Unclassified Manager: Vincent Gin
Email: vgin@valleywater.org
Est. Staff Time: 15 minutes

COMMITTEE AGENDA MEMO

SUBJECT: Update on Flood Protection Management Plan

RECOMMENDED ACTION:

This is an information only item and no action is required.

SUMMARY:

Per committee member request, an update on the District’s flood protection management plan is presented for Committee information and discussion.

BACKGROUND:

Introduction:

The District manages projects spread along approximately 800 miles of creeks in Santa Clara County to meet the Board’s Ends Policy E–3, “There is a healthy and safe environment for residents, businesses and visitors, as well as for future generations.” The District’s goals are further defined in E-3.1, “Provide natural flood protection for residents, businesses, and visitors” and E-3.2, “Reduce potential for flood damages.”

These projects are located in the County’s five main watersheds: Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. The District also administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that constructed facilities function as intended over their useful lives. Over fifty years, the District has significantly reduced the intensity and frequency of flooding in Santa Clara County. As of current time, the District has reduced the risk of flooding to about 100,000 of the 167,000 parcels in the County’s original one percent floodplain.

The voters in Santa Clara County have supported the District’s flood risk reduction efforts by approving benefit assessment funding in 1982, 1986, and 1990. More recently, voters approved special parcel taxes in 2000 (Clean, Safe Creeks Program) and 2012 (Safe, Clean Water Program), part of which provided funding for the continuation of the District’s flood risk reduction capital improvements and maintenance efforts.

Programs, Plans, and Master Plans:

Currently, there is no single and comprehensive District flood protection management plan in existence. Each of the major flood risk reduction programs of the past (the benefit assessments of the 1980s and the Clean Safe Creeks and Safe Clean Water programs) was preceded by intensive planning work which identified prioritized studies, programs, and projects. The result of that planning work, which was the set of projects

proposed in each program for Board and voter approval, would then be implemented in subsequent years. Work completed over the past few decades includes:

Lower Peninsula Watershed

Major Capital Improvements Completed:

- Adobe Creek from El Camino to West Edith Ave.
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the current CIP:

- Palo Alto Flood Basin Structure Improvements
- Permanente Creek from S.F. Bay to Foothill Expressway (Safe, Clean Water)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean, Safe Creeks/Safe, Clean Water)

West Valley Watershed

Major Capital Improvements Completed:

- Calabazas Creek from Guadalupe Slough to Wardell Road
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the current CIP:

- Sunnyvale East and West Channels (Clean, Safe Creeks)

Guadalupe Watershed

Major Capital Improvements Completed:

- Alamos Creek
- Guadalupe River–Lower from Alviso Marina to Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280

Major Capital Improvements Identified in the current CIP:

- Guadalupe River–Upper, Interstate 280 to Blossom Hill Road (Clean, Safe Creeks/Safe, Clean Water)

Coyote Watershed

Major Capital Improvements Completed:

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Cunningham Ave. (Reaches 1-6)
- Wrigley Ford Creek

Major Capital Improvements Identified in the current CIP:

- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean, Safe Creeks)
- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Coyote Creek Montague Expressway to Tully Road (Clean, Safe Creeks)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (Safe, Clean Water) (Planning only)
- Lower Penitencia Creek from Coyote Creek to San Andreas Drive

Uvas/Llagas Watershed

Major Capital Improvements Completed:

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the current CIP:

- Llagas Creek Capacity Restoration from Buena Vista Road to Pajaro River
- Llagas Creek—Upper, Buena Vista Road to Llagas Road (Clean, Safe Creeks/Safe, Clean Water)

Multiple Watersheds

Major Capital Improvements Identified in the current CIP:

- San Francisco Bay Shoreline (Safe, Clean Water)
- Watershed Asset Rehabilitation Program

As can be seen, a great deal of work has already been accomplished or is currently underway. It should also be noted that some of the earlier flood risk reduction work completed is nearing the end of its useful planned life and may need significant rehabilitation or replacement over the coming decades to preserve its original benefits for the community.

One Water Plan:

The District has been developing an Integrated Water Resources Master Plan, called the One Water Plan as a tool to comprehensively plan its watershed activities into the future. Utilizing a set of objectives developed to meet the Board's Ends, each watershed plan will develop a set of prioritized actions selected to improve its water resources functions, including reduction of flood risk for the community.

In prioritizing projects for flood risk reduction, important considerations may include:

- Projects needed to maintain existing level of service
- Number of parcels in floodplain, especially number of parcels subject to repeated historical flooding
- Number of parcels subject to especially hazardous flooding such as deep flooding or fast flows
- Type of parcels subject to flooding: critical facilities, major transportation routes, etc.
- Social vulnerability of area subject to flooding

The One Water watershed plans would be updated on a regular schedule, with completed projects checked off and new projects added with current information. The constantly updated prioritized projects would mean that future funding measures would not require sudden and rushed planning efforts and the District would be ready for other funding opportunities like grants and partnerships. When ready and approved by the Board, the One Water plan would serve as the District's flood protection management plan, among other functions.

ATTACHMENT(S):

Attachment 1: PowerPoint Presentation

Update on Flood Protection Management Plan

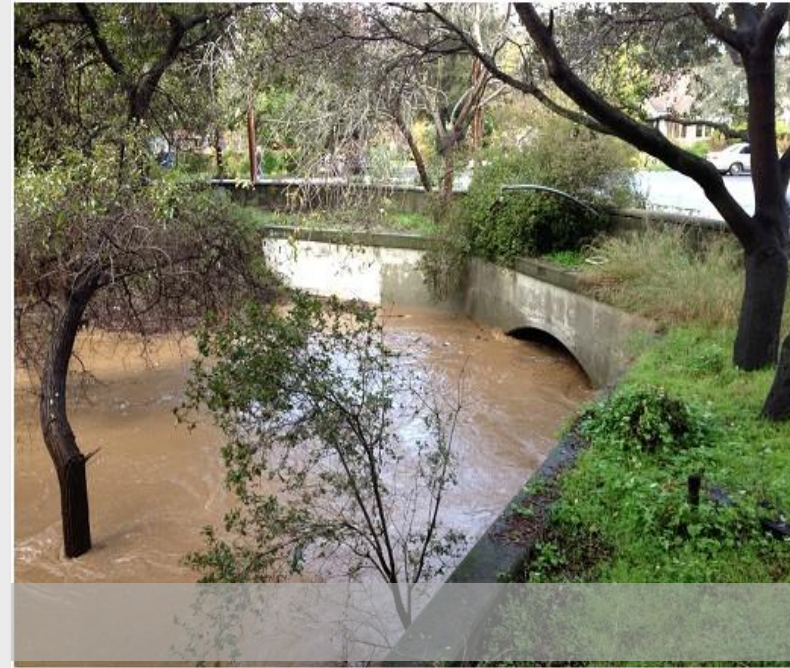
Environmental and Water
Resources Committee
April, 2018



Flood Protection Management Plan

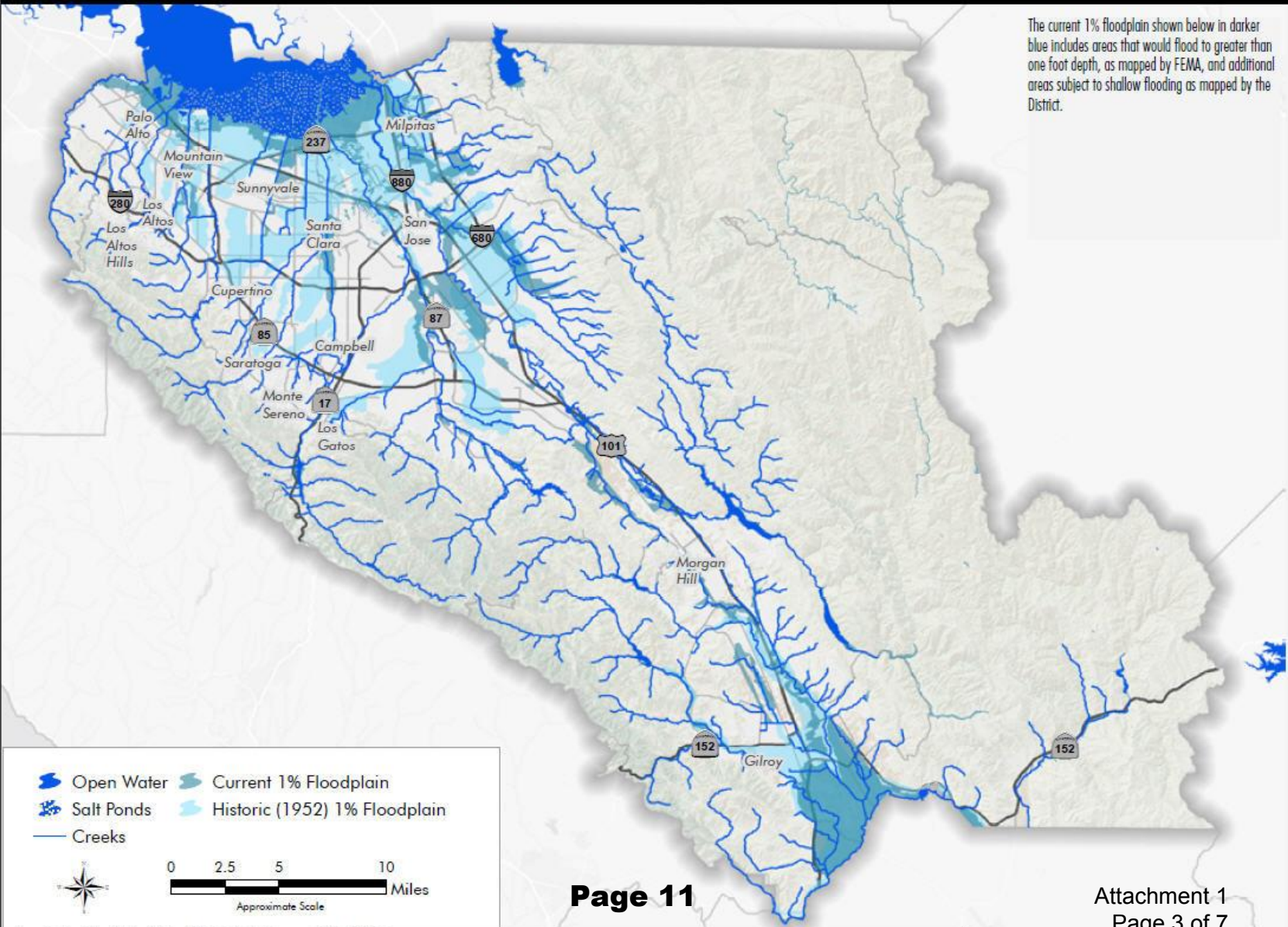
No Single and Comprehensive Plan Currently:

- Benefit Assessments in 1982, 1986 and 1990
- Clean safe Creeks program in 2000
- Safe Clean Water program in 2012



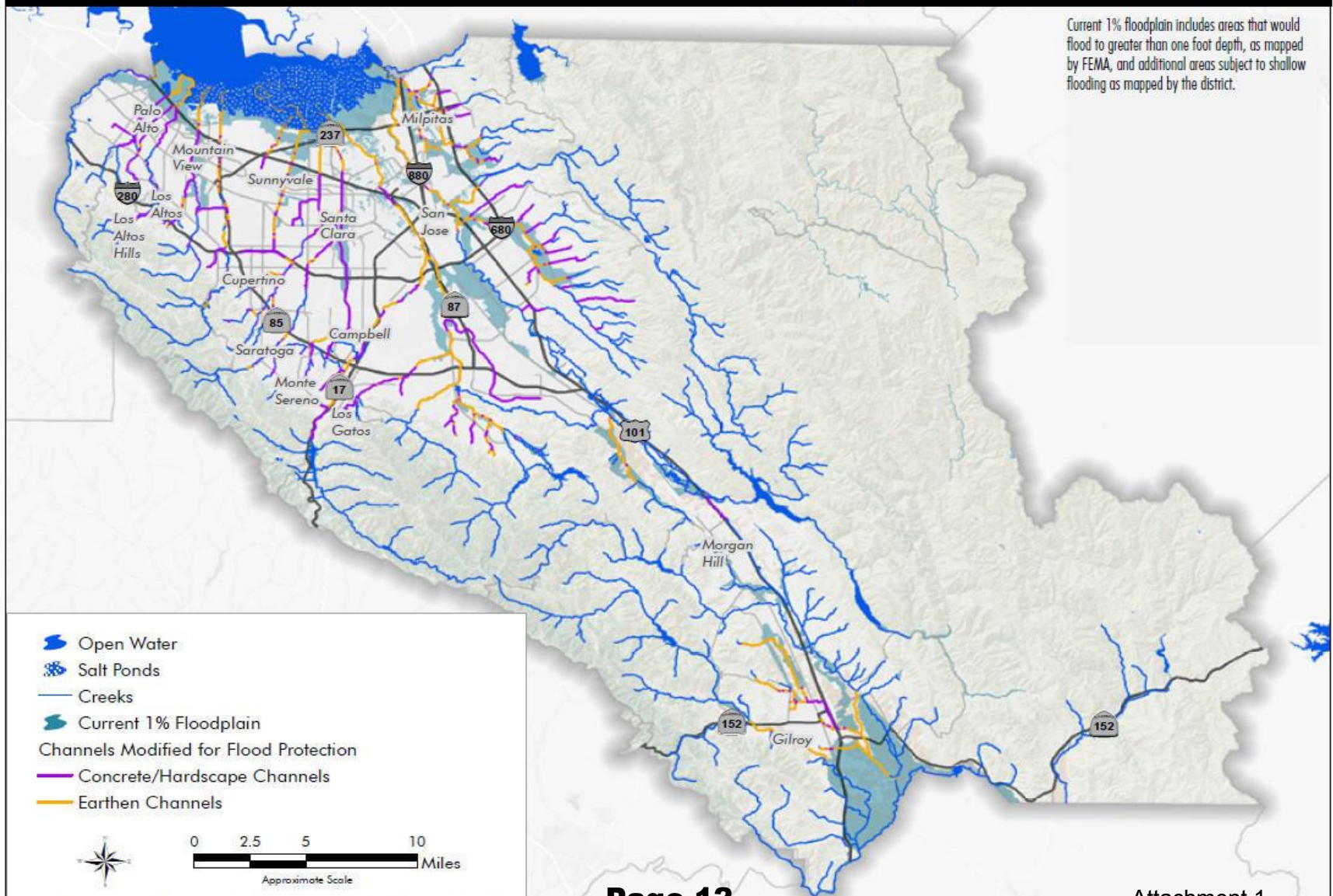
Historic and Current FloodPlain

Figure 3-10: Current & Historical Floodplains



Existing Flood Protection Infrastructure

Figure 3-13: Major Flood Control Infrastructure



Key Flood Protection Projects



Watershed Asset Rehabilitation Program



San Francisco Bay Shoreline



Coyote Creek



Berryessa Creek

Santa Clara Valley
Water District



One Water Plan



ONE WATER Countywide Framework

One Water integrates State, regional and local policies into a countywide framework for managing water resources on a watershed scale. The framework includes goals and objectives for the flood protection, stream stewardship, and water supply functions of the District.

Groundwater Management Plan

One Water Watershed-specific Plans

Water Supply Master Plan

Master plans prioritize strategies for achieving Board policies and the goals and objectives in the One Water framework. They provide level of service goals and inform program-level plans.

Stormwater Resource Plan

Safe Clean Water Program

Asset Management Program

Urban Water Management Plan

Purified Water Program Plan

FAHCE Program

Stream Maintenance Program

Countywide Recycled Water Master Plan

Program-level plans (examples) describe how the level of service goals in the master plans will be achieved.

Operating Projects and Programs
(e.g., Invasive Species Removal, Water Conservation Program, etc.)

Capital Projects
(e.g., South Bay Salt Ponds Restoration, Anderson Dam Seismic Retrofit, etc.)

Programs and projects implement the master plans and program level plans.

Annual Budget

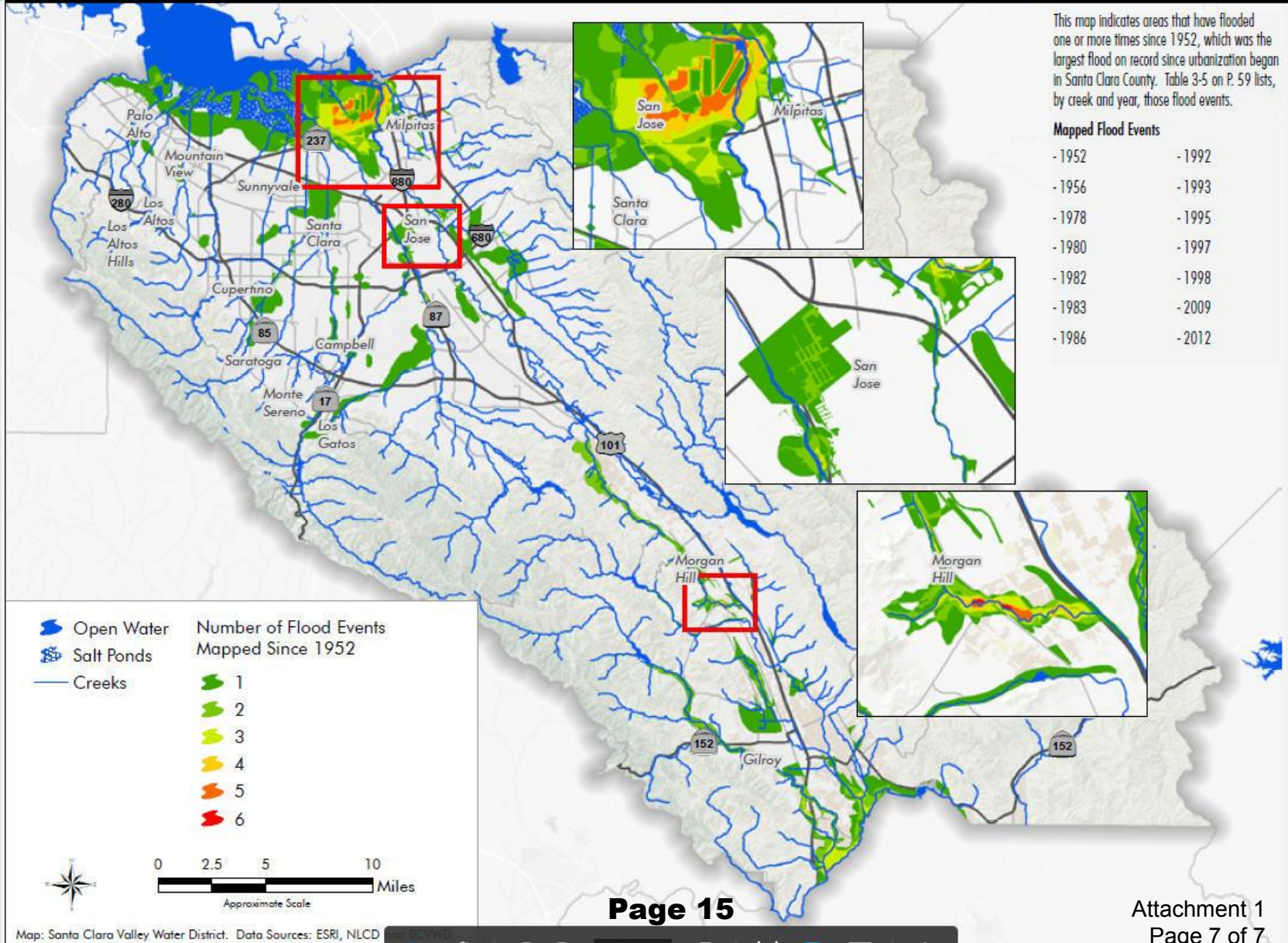
Protection and Augmentation of Water Supplies

Capital Improvement Program

Financial plans implement the master plans and program-level plans through projects and programs.

Flood Project Prioritization

Figure 2-4: Flood Events Mapped Since 1952



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Committee: Environmental and Water Resources
Meeting Date: 04/16/18
Agenda Item No.: 4.2
Unclassified Manager: Darin Taylor
Email: dtaylor@valleywater.org
Est. Staff Time: 10 minutes

COMMITTEE AGENDA MEMO

SUBJECT: Review and Comment to the Board on the Fiscal Year 2018-19 Proposed Groundwater Production Charges

RECOMMENDED ACTION:

Provide comment to the Board in the implementation of the District's mission as it applies to staff's groundwater production charge recommendation for FY 2018–19.

SUMMARY:

Staff proposes a 9.7% increase in the North County (Zone W-2) Municipal and Industrial groundwater production charge from \$1,175/AF to \$1,289/AF. The proposal equates to a monthly bill increase for the average household of \$3.92 or about 13 cents a day.

In the South County (Zone W-5), staff proposes a 7.7% increase in the M&I groundwater production charge from \$418/AF to \$450/AF. The proposal equates to a monthly bill increase for the average household of \$1.10 or about 4 cents per day.

Customers in both areas of North and South County may also experience additional charge increases enacted by their retail water providers.

The proposed increases in water charges are necessary to pay for critical investments in water supply infrastructure rehabilitation and upgrades, and the development of future drought-proof supplies, most notably purified water. The Anderson Dam Seismic Retrofit will help ensure public safety and bolster future water supply reliability. The cost projection for the Anderson Dam Seismic Retrofit project has increased to \$550 million since last year due to the discovery of additional vulnerabilities, which will require a near complete removal of the existing dam, and the determination that the dam's spillway needs to be fully replaced as it has some of the same weaknesses that Oroville Dam's spillway had. Additionally, the \$290 million Rinconada Water Treatment Plant upgrade is more than halfway complete, and will extend the plant's service life for the next 50 years as well as increase production capacity up to 25%. Roughly \$229 million is planned to be spent on the state's proposed plan for the California Water Fix, which is anticipated to improve the reliability of the infrastructure through which 40% of the county's water supply is delivered. Lastly, the District is moving forward to forge its first public-private partnership (P3) on a \$1 billion investment for recycled and purified water expansion that would bring up to 45,000 AF of new water supply to the county each year.

The Board is seeking input with regard to staff's groundwater production charge recommendation for FY 2018–19.

BACKGROUND:

Executive Limitation 7.4: A BAO shall “marshal for the Board as many staff and external points of view, issues and options as needed for fully informed Board choices.”

ATTACHMENT(S):

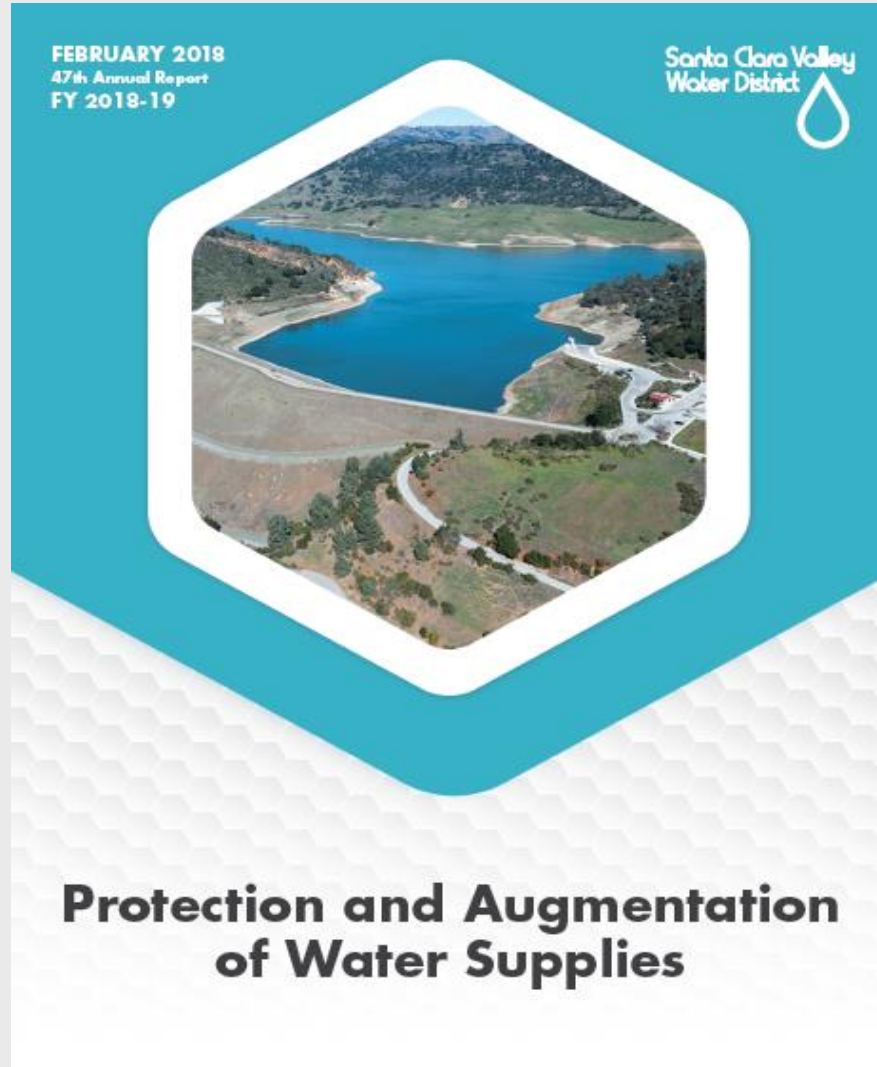
Attachment 1: PowerPoint Presentation

FY 19 Water Charge Recommendations

April 16, 2018

Santa Clara Valley
Water District



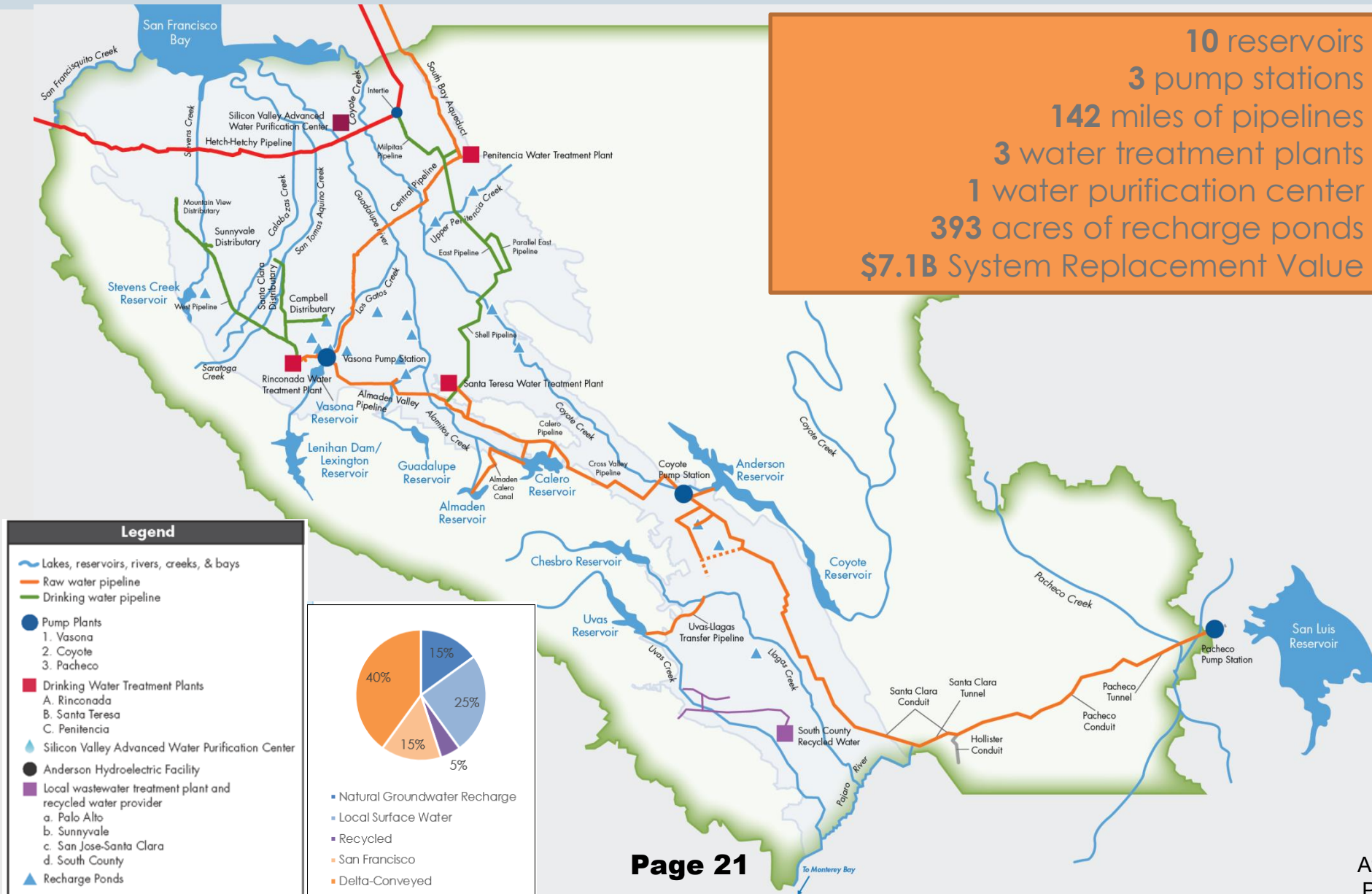


2018 Protection and Augmentation of Water Supplies Report

www.valleywater.org

A comprehensive, flexible water system

10 reservoirs
3 pump stations
142 miles of pipelines
3 water treatment plants
1 water purification center
393 acres of recharge ponds
\$7.1B System Replacement Value



Key Capital Project Funding for FY 19 through FY 28



**Dam Seismic Retrofits/Improvements
\$678 Million
(\$780 Million Total Cost)**



**RWTP Reliability Improvements
\$125 Million
(\$290 Million Total Cost)**



**Expedited Purified
Water Program
(\$1 Billion Total Cost,
via P3 Delivery Method)**

Key Capital Project Funding for FY 19 through FY 28 (cont'd)

- FAHCE Implementation Fund (\$145M placeholder)
- 10 Year Pipeline Rehabilitation (\$98M)
- Vasona Pumping Plant Upgrade (\$20M)



FY 19 Key Assumptions

California Water Fix (CWF):

- ▶ Cost projection based on 7.5% share of SWP-only CWF project
- ▶ State Water Project Tax reliance to be considered when CWF agreements are in place

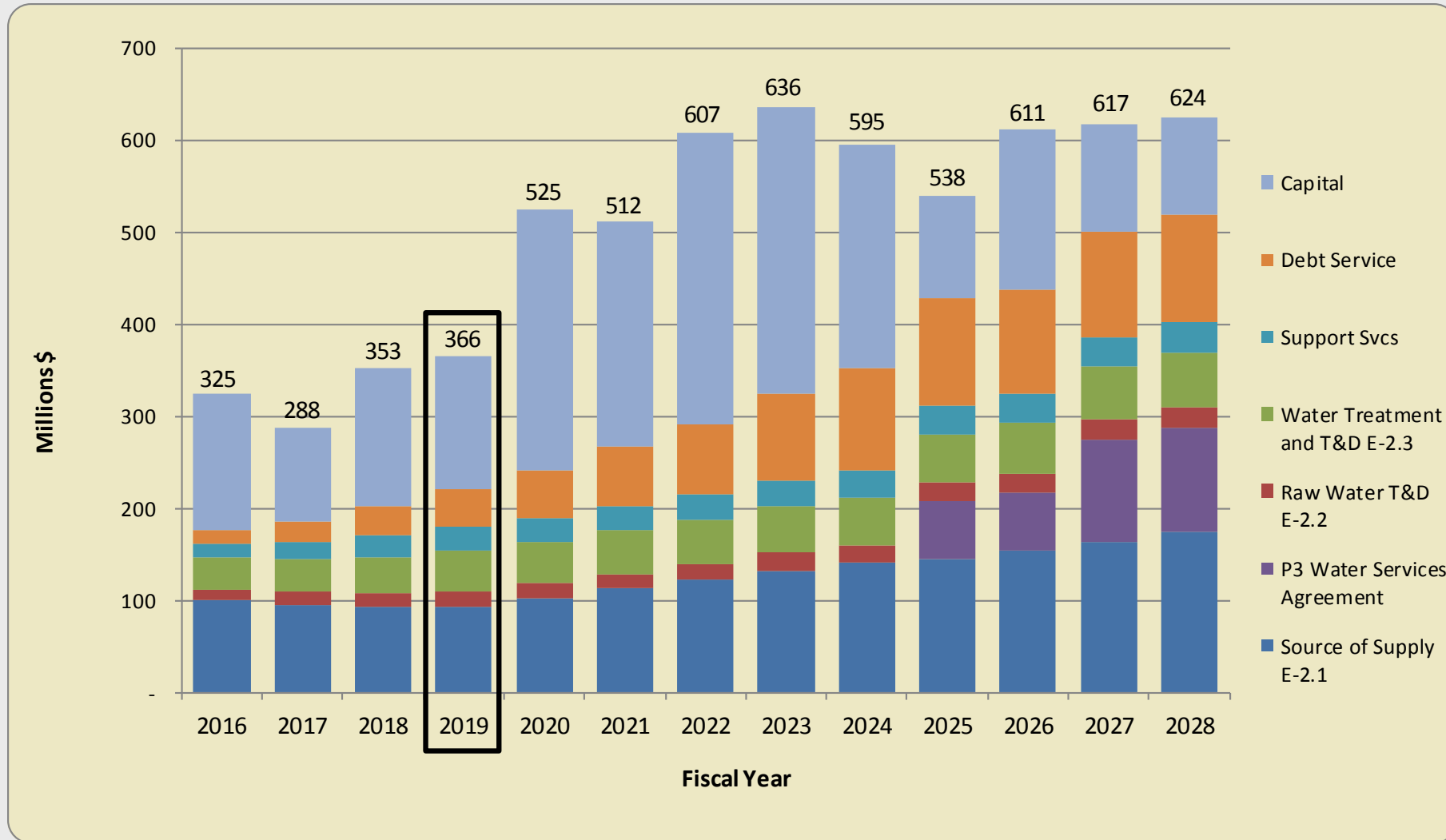
Expedited Purified Water Program:

- ▶ Includes P3 project delivery method for IPR to Los Gatos Ponds to produce 24KAF
 - ▶ P3 cost projection based on \$630M capital project, District contributes 30% “pay as you go”
 - ▶ Includes new P3 reserve at \$4M in FY 19 growing to \$10M by FY 21
- ▶ Includes Long Term Purified Water Program Project to produce incremental 20KAF
 - ▶ P3 cost projection based on \$368M capital project, District contributes 30% “pay as you go”

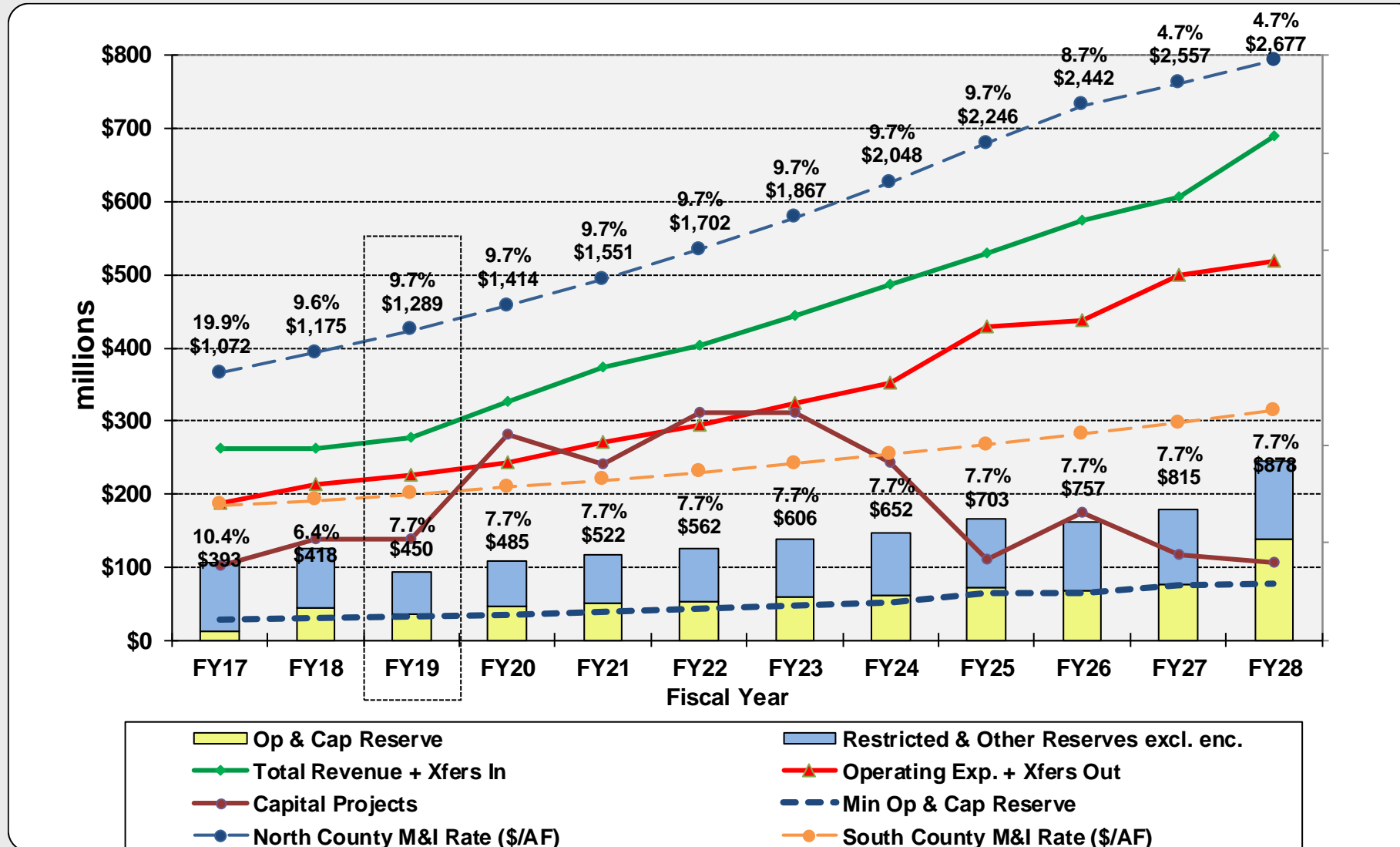
Drought Reserve:

- ▶ Increased from \$5 million to \$7 million for FY 19

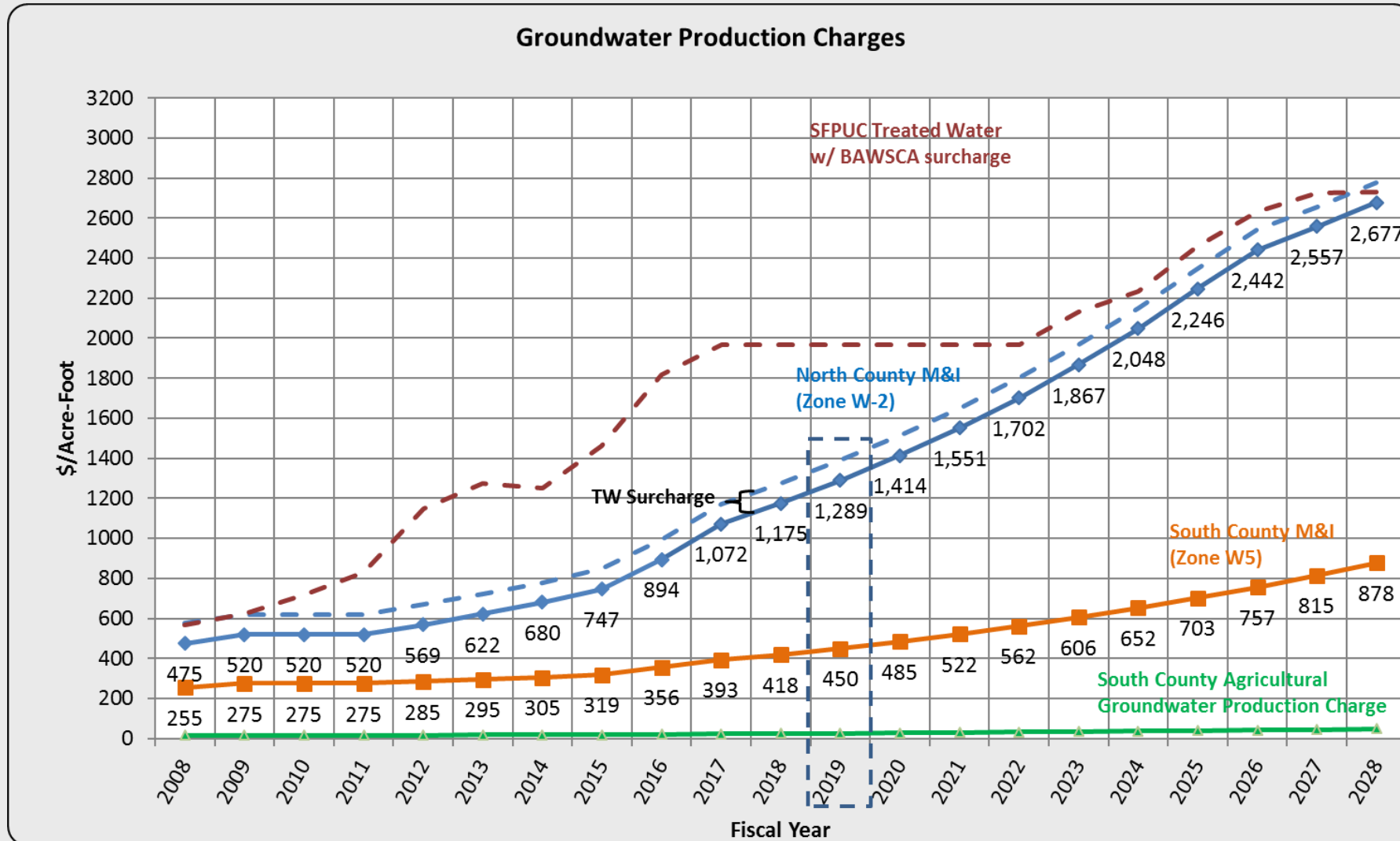
Cost Projection



Groundwater Production Charge Projection



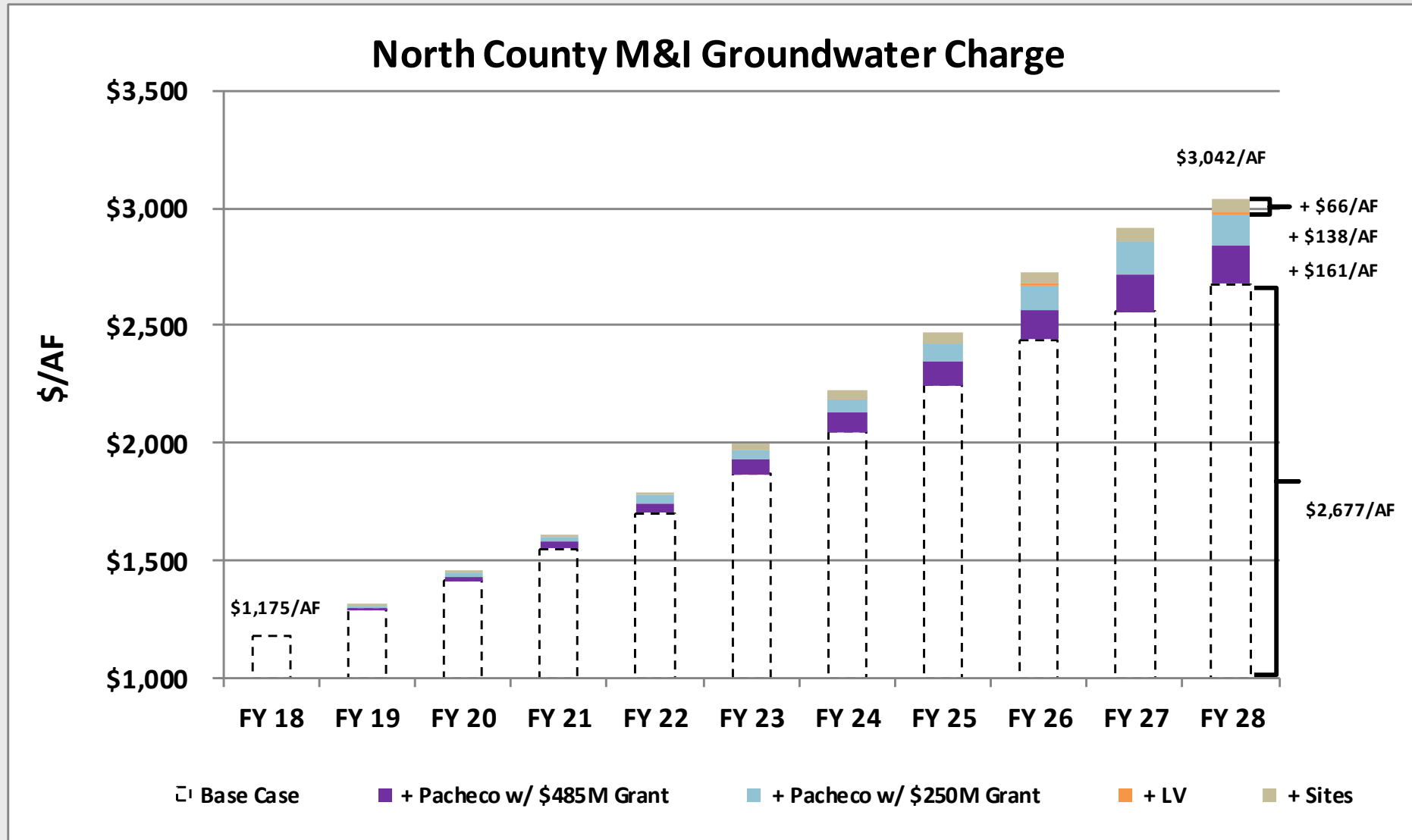
Groundwater Production Charge Projection



Some projects cannot be funded without higher future charges

- Pacheco Reservoir Expansion (\$1.2B)
- Dam Seismic Stability at 2 Dams – Unfunded portion (\$89.5M)
- SCADA Small Capital Improvements (\$19.6M)
- South County Recycled Water Reservoir Expansion (\$7.0M)
- Land Rights – South County Recycled Water Pipeline (\$5.8M)
- Alamitos Diversion Dam Improvements (\$3.2M)
- Coyote Diversion Dam Improvements (\$2.5M)

Water Supply Investment Scenarios



Notes:

- Stacked bar reflects incremental rate impact associated with adding each alternative
- Base Case includes CWF @ 7.5%

State Water Project Tax Recommendation

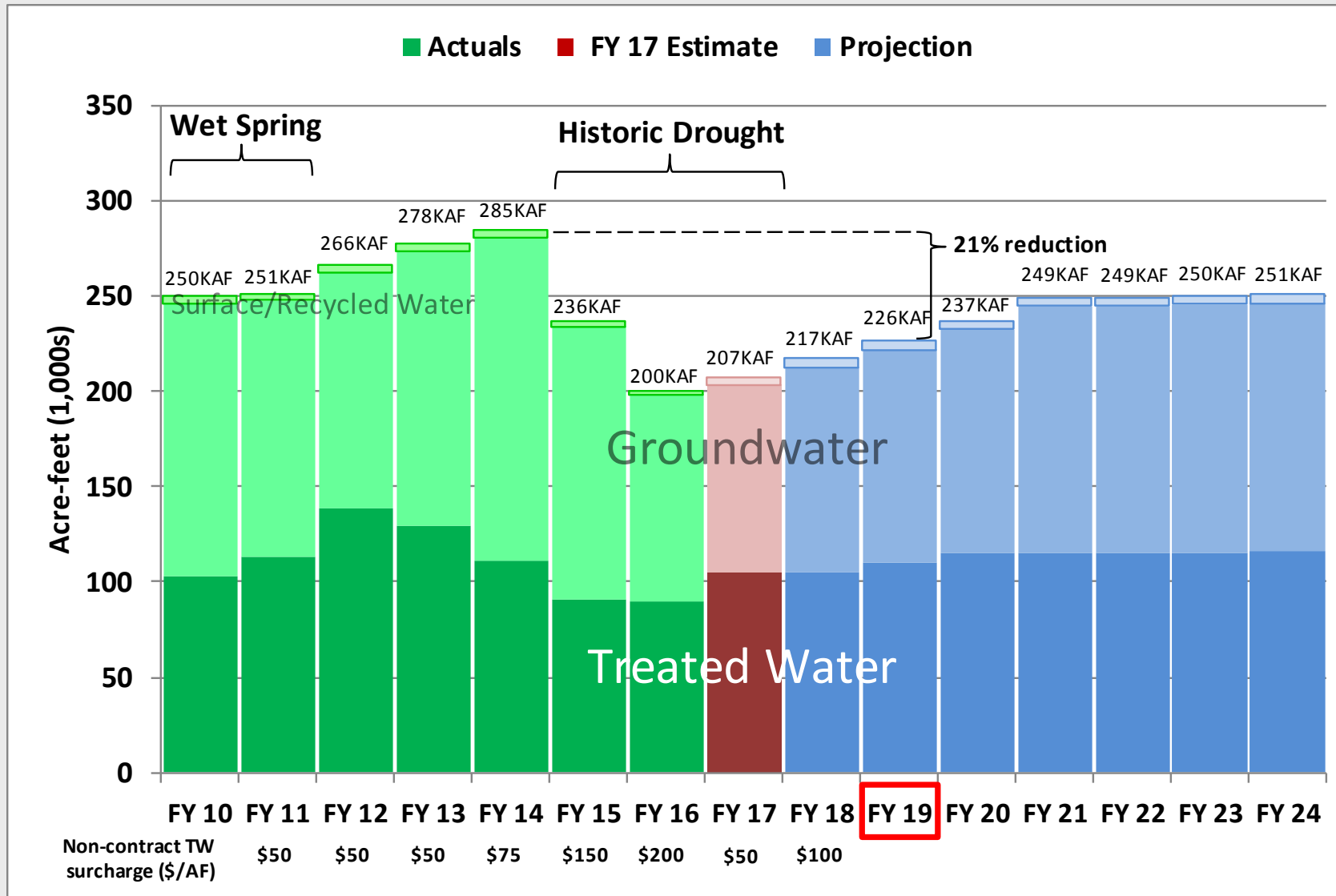
- ▶ Staff recommends decreasing the SWP tax from \$26M to \$18M
- ▶ The SWP tax bill for the average single family residence would decrease from \$39.00 to \$27.00/year.

Impact if SWP tax not approved:

- \$98/AF in terms of North County M&I groundwater production charge
- \$21/AF in terms of South County M&I groundwater production charge
- \$525,000 in terms of Open space credit

LIMITED (PRIMARY) VALUES				PRIMARY		COMPARATIVE 2003 AMT		2004 DISTRIBUTION		OFFICE USE ONLY	
TYPE	LIMITED	%	ASSESSED			2003	2004	RATE / 100	2004 AMT DUE		
LAND-BLDG PERSONAL EXEMPTION	76000	10.0	7600	COUNTY EDUC. EDUAL	86.57			12.108	92.02		PRTKEY=MORT# 65 SEC# NTG# LOAN#
				CITY SCHOOLS	33.73			04560	34.66		
				CO. EDUC COMM. COL.	339.44			44896	339.70		
				STATE AID	67.28			9211	70.00		
PRIM. TOT.	76000		7600		-117.58			CREDIT	-117.14		FIRST HALF TAX AMOUNT
				SUBTOTAL	408.44			70575	419.24		316.58
FULL CASH (SECONDARY) VALUES				SECONDARY							
TYPE	FULL CASH	%	ASSESSED								
LAND-BLDG PERSONAL EXEMPTION	76000	10.0	7600	FLOOD CONTROL	18.10			2118	16.10		DUE OCT. 1, 2004 DELINQUENT AFTER NOV. 1, 2004
				OVERRIDES	8.12			1200	9.12		
				FIRE DIST. ASST.	78.16			9511	72.74		
				LIBRARY	3.96			6088	3.96		
				BONDS - COUNTY	5.32			12477	84.82		
				- CITY	104.59			1181	8.82		
				- SCHOOLS	10.45			27118	206.08		
				- COMM. COL.	228.24						
SEC. TOT.	76000		7600	SUBTOTAL	7.42			1032	7.84		SECOND HALF TAX AMOUNT
											316.58
SPECIAL DISTRICT (VALUE/ACRES/50 FT) = ASSESSED				DIST#							
HOSPITAL DISTRICT NO 1				7600	10848						
EAST VALLEY INSTITUTE TECH				7600	30001						
								845.10	TOTALS	633.16	

District Managed Water Usage drives revenue projection



2018 schedule for hearings and meetings

- ✓ Jan 9 Board Meeting on Preliminary Groundwater Prod. Charge Analysis
- ✓ Feb 24 Mail notice of public hearing and file PAWS report
- ✓ March 21 Water Retailers Meeting
- ✓ April 2 Ag Water Advisory Committee
- ✓ April 3 Landscape Committee Meeting
- ✓ April 10 Open Public Hearing
- April 11 Water Commission Meeting
- April 12 Continue Public Hearing in Morgan Hill (Informational Open House)
- April 16 Environmental & Water Resources Committee
- April 24 Conclude Public Hearing
- May 8 Adopt budget & groundwater production and other water charges

Note: Protests may be submitted between the date the notice was mailed (February 23) and the conclusion of the hearing (April 24)

Summary

- **Groundwater Production Charge projection driven by infrastructure repair & replacement, and water supply reliability investments**
- **Proposed FY 19 Groundwater Production Charge increase equates to an increase of \$3.92 per month in North County and \$1.10 per month in South County to average household**

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Committee: Environmental and Water Resources
Meeting Date: 04/16/18
Agenda Item No.: 4.3
Unclassified Manager: Michele King
Email: mking@valleywater.org
Est. Staff Time: 5 minutes

COMMITTEE AGENDA MEMO

SUBJECT: Update from Working Groups

RECOMMENDED ACTION:

Provide comments to the Board on implementation of District mission applicable to working groups' recommendations.

SUMMARY:

At the Committee's January 2017 meeting, the Committee would like to see the working groups more aligned with the issues and policies that the Board of Directors has on their work plan and calendar for this year.

The Board approved the Committee's request to keep the Committee informed of the working groups' activities and results.

This will be a standing agenda item.

BACKGROUND:

The District Act provides for the creation of advisory boards, committees, or commissions by resolution to serve at the pleasure of the Board.

Accordingly, the Board has established Board Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Board Committees will not direct the implementation of District programs and projects, other than to receive information and provide comment.

Further, in accordance with Governance Process Policy-3, when requested by the Board, the Board's Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.

ATTACHMENT(S):

Attachment 1: Working Groups Spreadsheet

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2018 EWRC Independent Working Groups

Name	1. District's Communications Programs/Civic Engagement (Review Transparency Report)	2. Winter Preparedness	3. Climate Change Mitigation	4. Climate Change and Sea Level Rise Adaptation	5. Riparian Corridor Ordinance, Encroachment Process	6. Endangered Species (Drought/Environmental Impacts)	7. Joint Use of Trails	8. Open Space Credit	Total Groups Joined
New Groups to Align with Board's Calendars/Work Plans									
Bonnie Bamburg									0
John Bourgeois				1		1			2
Tess Byler	1			1					2
Hon. Dean Chu			1				1		2
Maya Esparza	1						1		2
Stephen A. Jordan									0
Arthur M. Keller, Ph.D.			1	1					2
Hon. Patrick S. Kwok									0
Loren B. Lewis									0
Bob Levy									0
Tara Martin-Milius	1		1	1					3
Sachihiko Michitaka					1				1
Rev. Jethroe Moore II				1			1		2
Rita Norton	1		1		1				3
Marc Rauser									0
Elizabeth Sarmiento			1			1			2
Charles Taylor									0
Richard Zahner									0
Total Members	4	0	5	5	2	2	3	0	21

Lead

Member did not sign up for any group (s)

No District Staff hours are provided to support the working groups

Members should limit the number of working groups they participate in because of possible Brown Act Violations (2-3 groups only)

Please Note: You will be sharing your phone number and email address with the other members when signing up.

When planning meetings, the Group Chair (Lead) should contact Glenna via email with meeting date/time and location and how many members are expected to attend.

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Committee: Environmental and Water Resources
Meeting Date: 04/16/18
Agenda Item No.: 4.4
Unclassified Manager: Michele King
Email: mking@valleywater.org
Est. Staff Time: 5 minutes

COMMITTEE AGENDA MEMO

SUBJECT: Review Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda.

RECOMMENDED ACTION:

Review the Board-approved Committee work plan to guide the Committee's discussions regarding policy alternatives and implications for Board deliberation.

SUMMARY:

The attached Work Plan outlines the Board-approved topics for discussion to be able to prepare policy alternatives and implications for Board deliberation. The work plan is agendaized at each meeting as accomplishments are updated and to review additional work plan assignments by the Board.

BACKGROUND:

Governance Process Policy-8:

The District Act provides for the creation of advisory boards, committees, or committees by resolution to serve at the pleasure of the Board.

Accordingly, the Board has established Advisory Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Advisory Committees will not direct the implementation of District programs and projects, other than to receive information and provide comment.

Further, in accordance with Governance Process Policy-3, when requested by the Board, the Advisory Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.

ATTACHMENT(S):

Attachment 1: Environmental and Water Resources Committee 2018 Work Plan
Attachment 2: Environmental and Water Resources Committee July 16, 2018 Draft Agenda

2018 Work Plan: Environmental and Water Resources Committee

Update: March 2018

GP8. Accordingly, the Board has established Advisory Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Advisory Committees will not direct the implementation of District programs and projects, other than to receive information and provide comment.

The annual work plan establishes a framework for committee discussion and action during the annual meeting schedule. The committee work plan is a dynamic document, subject to change as external and internal issues impacting the District occur and are recommended for committee discussion. Subsequently, an annual committee accomplishments report is developed based on the work plan and presented to the District Board of Directors.

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
1	Election of Chair and Vice Chair for 2018	January 22	<ul style="list-style-type: none"> Committee Elects Chair and Vice Chair for 2018. (Action) 	<p>Accomplished January 22, 2018: The Committee elected Mr. Loren Lewis as the Chair for 2018 and Arthur M. Keller, Ph.D. as the Vice Chair for 2018.</p>
2	Annual Accomplishments Report	January 22	<ul style="list-style-type: none"> Review and approve 2017 Accomplishments Report for presentation to the Board. (Action) Provide comments to the Board, as necessary. 	<p>Accomplished January 22, 2018: The Committee reviewed and approved the 2017 Accomplishments Report for presentation to the Board</p>
3	Civic Engagement	January 22	<ul style="list-style-type: none"> Receive feedback from Committee per Transparency Audit. (Action) Provide comments to the Board, as necessary. 	<p>Accomplished January 22, 2018: The Committee received information on Civic Engagement and took no action.</p>
4	Winter Preparedness Update	January 22	<ul style="list-style-type: none"> Receive information on the District's Winter Preparedness. (Information) 	<p>Accomplished January 22, 2018: The Committee received information on Winter Preparedness and took no action.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 1 of 4

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
5	Receive information on shallow aquifers, dewatering, recharge, well pumping (when to use or not).	January 22	<ul style="list-style-type: none"> Receive information on shallow aquifers, dewatering, recharge, well pumping (when to use or not). (Information) 	<p>Accomplished January 22, 2018: The Committee received information on shallow aquifers, dewatering, recharge, well pumping (when to use or not) and took no action.</p>
6	Status of Working Groups	January 22 April 16 July 16 October 15	<ul style="list-style-type: none"> Receive updates on the status of the working groups. (Action) Submit requests to the Board, as appropriate. 	<p>Accomplished January 22, 2018: The Committee received an update on the working groups and will update the spreadsheet for 2018.</p>
7	Review of Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda	January 22 April 16 July 16 October 15	<ul style="list-style-type: none"> Receive and review the 2018 Board-approved Committee work plan. (Action) Submit requests to the Board, as appropriate. 	<p>Accomplished January 22, 2018: The Committee reviewed the 2018 work plan and took the following action: ✓ Receive information on Salmonid in the District's waterways. ✓ Overview of District's Flood Protection Management Plan to an action item. ✓ Remove Habitat Conservation Plan and add receive FAHCE Update as an action item.</p>
8	Habitat Conservation Plan	Remove	<ul style="list-style-type: none"> Update on the Habitat Conservation Plan (Action) 	<p>Accomplished January 22, 2018: The Committee chose to change this agenda item HCP to FAHCE as an action item.</p>
9	Update on Flood Protection Management Plan	April 16	<ul style="list-style-type: none"> Receive information on the Flood Protection Management Plan. (Action) 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
10	Review and Comment to the Board on the Fiscal Year 2019 Proposed Groundwater Production Charges	April 16	<ul style="list-style-type: none"> Review and comment to the Board on the Fiscal Year 2019 Proposed Groundwater Production Charges. (Action) Provide comments to the Board, as necessary. 	
11	Energy Use Policy Discussion	July 16	<ul style="list-style-type: none"> Discuss any District energy policies. (Action) Provide comments to the Board, as necessary. 	
12	FAHCE Update	July 16	<ul style="list-style-type: none"> Receive an update on FAHCE (Action) Provide comments to the Board, as necessary. 	
13	Discussion on the District's Water Resources Protection Ordinance	July 16	<ul style="list-style-type: none"> Discuss the District's Water Resources Protection Ordinance. (Action) Provide comments to the Board, as necessary. 	
14	Climate Change Mitigation – Carbon Neutrality by 2020 Program Update	July 16	<ul style="list-style-type: none"> Receive information on climate change mitigation – carbon neutrality by 2020 program update. (Action) Provide comments to the Board, as necessary. 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
15	Discussion on Environmental Issues- Endangered Species, Drought Environmental Impacts	October 15	<ul style="list-style-type: none"> • Discuss the environmental issues- endangered species, drought environmental impacts. (Action) • Provide comments to the Board, as necessary. 	
16	Receive information on Salmonid in the District's waterways.	October 15	<ul style="list-style-type: none"> • Receive information on Salmonid in the District's waterways. (Action) 	
17	Receive information on Climate Change And the District's policy response regarding flooding, sea level rise, wildfires. Climate Change and Sea Level Rise Adaptation – Water Supply, Flood Protection, Ecosystems Protection	October 15	<ul style="list-style-type: none"> • Receive information on climate change and the District's policy response regarding flooding, sea level rise, wildfires. (Action) • Provide comments to the Board, as necessary. 	
18	District's environmental audit of disposable (paper and plastic ware) products pertaining to their food services.	October 15	<ul style="list-style-type: none"> • Receive information of the District's environmental audit of disposable (paperware) products pertaining to their food services. (Information) • Provide comments to the Board, as necessary. 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors



Committee Officers

Loren Lewis, Committee Chair
Arthur M. Keller, Ph.D., Committee Vice Chair

Board Representative

Tony Estremera, Board Representative
Nai Hsueh, Board Alternate
Linda J. LeZotte, Board Representative

DRAFT AGENDA

ENVIRONMENTAL AND WATER RESOURCES COMMITTEE

MONDAY, JULY 16, 2018

6:00 p.m. – 8:00 p.m.

**Santa Clara Valley Water District
Headquarters Building Boardroom
5700 Almaden Expressway
San Jose, CA 95118**

**Time Certain:
6:00 p.m.**

- 1. Call to Order/Roll Call**
- 2. Time Open for Public Comment on Any Item Not on Agenda**
Comments should be limited to two minutes. If the Committee wishes to discuss a subject raised by the speaker, it can request placement on a future agenda.
- 3. Approval of Minutes**
 - 3.1 Approval of Minutes – April 16, 2018, meeting
- 4. Action Items**
 - 4.1 Climate Change Mitigation – Carbon Neutrality by 2020 Program Update (Kurt Arends)
Recommendation: This is a discussion item and the Commission may provide comments if applicable, however no action is required.
 - 4.2 Energy Use Policy Discussion (Vincent Gin)
Recommendation: This is a discussion item and the Committee may provide comments, however, no action is required.
 - 4.3 FAHCE Update (Vincent Gin)
Recommendation: This is an action item to provide comment to the Board in the implementation of the District’s mission as it applies to staff’s groundwater production charge recommendation for FY 2018–19.
 - 4.4 Discussion on the District’s Water Resources Protection Ordinance (Usha Chatwani)
Recommendation: This is a discussion item and the Committee may provide comments, however, no action is required.
 - 4.5 Update from Working Groups (Committee Chair)
Recommendation: Provide comment to the Board in the implementation of the District’s mission as it applies to the working groups’ recommendations.

- 4.6 Review Environmental and Water Resources Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda (Committee Chair)

Recommendation: Review the Board-approved Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

5. Clerk Review and Clarification of Committee Requests to the Board

This is a review of the Committee's Requests, to the Board (from Item 4). The Committee may also request that the Board approve future agenda items for Committee discussion.

6. Reports

Directors, Managers, and Committee members may make brief reports and/or announcements on their activities. Unless a subject is specifically listed on the agenda, the Report is for information only and not discussion or decision. Questions for clarification are permitted.

6.1 Director's Report

6.2 Manager's Report

6.3 Committee Member Reports

7. Adjourn: Adjourn to next regularly scheduled meeting at 6:00 p.m., **October 15, 2018, in the Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118.**

All public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarter Building, 5700 Almaden Expressway, San Jose, CA., 95118, at the same time that the public records are distributed or made available to the legislative body.

The Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend committee meetings. Please advise the Clerk of the Board office of any special needs by calling 1-408-630-2277.

Environmental and Water Resources Committee's Purpose and Duties

The Environmental and Water Resources Committee of the Santa Clara Valley Water District is established to assist the Board of Directors (Board) with policies pertaining to water supply, flood protection and environmental stewardship.

The specific duties are:

- Prepare policy alternatives;
- Provide comment on activities in the implementation of the District's mission; and
- Produce and present to the Board an Annual Accomplishments Report that provides a synopsis of the annual discussions and actions.

In carrying out these duties, Committee members bring to the District their respective expertise and the interests of the communities they represent. In addition, Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.