

April 3, 2019

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	Charles Ice	Elizabeth Sarmiento	
District 3	Hon. Dean Chu	Rev. Jethroe Moore, II	Charles Taylor
District 4	John Bourgeois	Bob Levy	
District 5	Hon. Tara Martin-Milius	Mike Michitaka	Marc Rauser
District 6	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 15, 2019, 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 <https://www.valleywater.org/how-we-operate/committees/board-advisory-committees>

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.

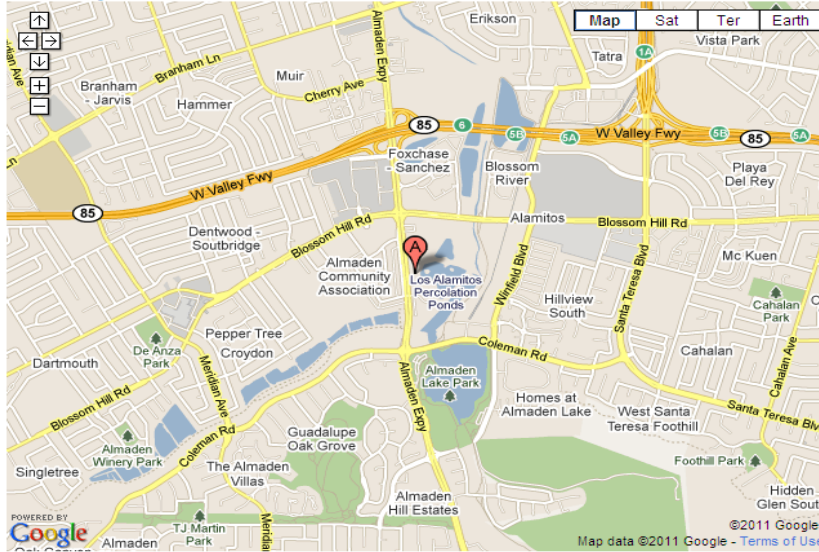
Members with two or more consecutive unexcused absences will be subject to rescinded membership.

Please confirm your attendance **no later than Thursday, April 11, 2019, 4:30 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



**Santa Clara Valley Water District
Environmental and Water Resources Committee
Meeting**

**HQ Boardroom
5700 Almaden Expressway
San Jose CA 95118**

**REGULAR MEETING
AGENDA**

**Monday, April 15, 2019
6:00 PM**

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

All public records relating to an 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 Headquarters 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. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

**Santa Clara Valley Water District
Environmental and Water Resources Committee
REGULAR MEETING
AGENDA**

Monday, April 15, 2019

6:00 PM

HQ Boardroom
5700 Almaden Expressway
San Jose CA 95118

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.

Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Form and present it to the Committee Clerk. The Committee Chair will call individuals in turn. Speakers comments should be limited to two minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:

3.1. Approval of Minutes.

[19-0190](#)

Recommendation: Approve the January 28, 2019, Meeting Minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 012819 EWRC DRAFT Mins](#)

Est. Staff Time: 5 Minutes

4. STANDING ITEMS REPORT:

4.1. Standing Items Report.

[19-0382](#)

Recommendation: A. For the Environmental and Water Resources Committee to receive information on the Board's priorities on the following subjects:

1. Finalize the Fisheries and Aquatic Habitat Collaboration Effort (FAHCE) (Report from the FAHCE Ad Hoc Committee)
2. Actively Pursue Efforts to Increase Water Storage Opportunities (Report from the Water Storage Exploratory Committee)
3. Actively Participate in Decisions Regarding the California WaterFix (Report from EWRC Board Representative)
4. Advance Recycled and Purified Water Efforts with the City of San Jose and Other Agencies (Report from the Recycled Water Committee)
5. Advance Anderson Dam Seismic Retrofit Project (Report from the Capital Improvement Program Committee)
6. Provide for a Watershed-Wide Regulatory Planning and Permitting Effort (Report from the Capital Improvement Program Committee)
7. Ensure Immediate Emergency Action Plans and Flood Protection are Provided for Coyote Creek (Report from the Coyote Creek Flood Risk Reduction Ad Hoc Committee)
8. Foster a Coordinated Approach to Environmental Stewardship Effort (Report from EWRC Board Representative)
9. Advance Diversity and Inclusion Efforts (Report from the Diversity and Inclusion Ad Hoc Committee)

B. This is informational only and no action is required.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: Standing Items Report](#)

[Attachment 1A: Priority 2](#)

[Attachment 1B: Priority 4](#)

[Attachment 1C: Priority 7](#)

[Attachment 1D: Priority 9](#)

5. ACTION ITEMS:

- 5.1. Review and Comment to the Board on the Fiscal Year 2019-20 Proposed Groundwater Production Charges. [19-0191](#)
 Recommendation: 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 2019-20.
 Manager: Darin Taylor, 408-630-3068
 Attachments: [Attachment 1: GWP Charge](#)
 Est. Staff Time: 30 Minutes
- 5.2. Update on Open Space Credit. [19-0261](#)
 Recommendation: Discuss and consider the attached Open Space Credit policy analysis and provide comment to the Board on policy implementation, as necessary.
 Manager: Darin Taylor, 408-630-3068
 Attachments: [Attachment 1: OSC Policy](#)
 Est. Staff Time: 15 Minutes
- 5.3. Update from Environmental and Water Resources Committee's Working Groups. [19-0192](#)
 Recommendation: Provide comments to the Board on implementation of District mission applicable to working groups' recommendations.
 Manager: Michele King, 408-630-2711
 Attachments: [Attachment 1: Updated EWRC 2019 Working Groups](#)
 Est. Staff Time: 15 Minutes
- 5.4. Review Environmental and Water Resources Committee (EWRC) Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda. [19-0193](#)
 Recommendation: Review the EWRC work plan to guide the commission's discussions regarding policy alternatives and implications for Board deliberation.
 Manager: Michele King, 408-630-2711
 Attachments: [Attachment 1: 2019 EWRC Work Plan](#)
[Attachment 2: 071519 EWRC Draft Agenda](#)
 Est. Staff Time: 5 Minutes

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

7. REPORTS:

- 7.1. Director's Report
- 7.2. Manager's Report
- 7.3. Committee Member Report
- 7.4. Links to Informational Reports
No Reports

8. ADJOURN:

- 8.1. Adjourn to Regular Meeting at 6:00 p.m., on July 15, 2019, in the Santa Clara Valley Water District HQ Boardroom, 5700 Almaden Expressway, San Jose, California.

File No.: 19-0190

Agenda Date: 4/15/2019

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Environmental and Water Resources Committee

SUBJECT:

Approval of Minutes.

RECOMMENDATION:

Approve the January 28, 2019, Meeting Minutes.

SUMMARY:

A summary of Committee discussions, and details of all actions taken by the Committee, during all open and public Committee meetings, is transcribed and submitted for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the District's historical records archives and serve as historical records of the Committee's meetings.

ATTACHMENTS:

Attachment 1: 012819 EWRC Draft Mins.

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711



ENVIRONMENTAL AND WATER RESOURCES COMMITTEE MEETING

DRAFT MINUTES

**MONDAY, JANUARY 28, 2019
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 28, 2019, 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 6:03 p.m.

Members in attendance were:

<u>District</u>	<u>Representative</u>
District 1	Loren Lewis Rita Norton
District 2	Charles Ice Elizabeth Sarmiento
District 3	Hon. Dean Chu Rev. Jethroe Moore, II Charles Taylor
District 4	Bob Levy
District 5	Hon. Tara Martin-Milius Mike Michitaka Marc Rauser
District 7	Tess Byler Arthur M. Keller, Ph.D.

Members not in attendance were:

<u>District</u>	<u>Representative</u>
District 1	Bonnie Bamburg
District 2	Elizabeth Sarmiento
District 7	Stephen A. Jordan

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

Staff members in attendance were: Joseph Atmore, Glenna Brambill, Vincent Gin, Garth Hall, Nina Hawk, Anthony Mendiola and Ngoc Nguyen.

2. PUBLIC COMMENT

There was no one present who wished to speak.

3. APPROVAL OF MINUTES

It was moved by Ms. Tess Byler, seconded by Arthur M. Keller, Ph.D., and carried by majority vote, to approve the October 24, 2018, Environmental and Water Resources Committee meeting minutes, as presented. Rev. Jethroe Moore, II, Mr. Charles Taylor, Hon. Patrick S. Kwok and Hon. Tara Martin-Milius abstained.

4. ELECTION OF CHAIR AND VICE CHAIR

4.1 ELECTION OF CHAIR AND VICE CHAIR

Chair Loren Lewis opened the floor for Chair nominations:

It was moved by Mr. Loren Lewis, seconded by Mr. Bob Levy to nominate Arthur M. Keller, Ph.D. as Chair.

It was moved by Ms. Rita Norton, seconded by Hon. Patrick S. Kwok to nominate Ms. Tess Byler as Chair.

The nominations were closed.

The Committee by majority vote, approved Ms. Tess Byler as Chair for 2019.

Chair Loren Lewis opened the floor for Vice Chair nominations:

It was moved by Hon. Tara Martin-Milius, seconded by Ms. Tess Byler to nominate Arthur M. Keller, Ph.D. as Vice Chair.

The nomination was closed.

The Committee by unanimous vote, approved Arthur M. Keller, Ph.D. as Vice Chair for 2019.

5. ACTION ITEMS

5.1 REVIEW AND APPROVE 2018 ANNUAL ACOMPLISHMENTS REPORT FO PRESENTATION TO THE BOARD

Chair Tess Byler and Ms. Glenna Brambill reviewed the materials as outlined in the agenda item.

It was moved by Ms. Rita Norton, seconded by Arthur M. Keller, Ph.D. and unanimously carried, to approve the Environmental and Water Resources Committee's 2018 Annual Accomplishments Report.

5.2 REVIEW AND COMMENT TO THE BOARD ON THE FISCAL YEAR 2019-20 PRELIMINARY GROUNDWATER PRODUCTION CHARGES

Mr. Anthony Mendiola reviewed the materials as outlined in the agenda.

Mr. Garth Hall and Ms. Nina Hawk were available to answer questions.

Hon. Patrick S. Kwok, Mr. Mike Michitaka, Hon. Tara Martin-Milius, Ms. Rita Norton, Ms. Tess Byler, Mr. Bob Levy, Director Nai Hsueh and Director Tony Estremera spoke on: usage concerns, good financial numbers, conservation needs to continue, definition of charges, permanent subsidence of drought, water sources, 'no regrets' package, variable rates, environmental costs, 2040 Master Plan, rate payers and the 'new' normal.

No action was taken.

5.3 OPEN SPACE CREDIT

Mr. Joe Atmore reviewed the materials as outlined in the agenda item.

Mr. Bob Levy, Mr. Marc Rauser, Arthur M. Keller, Ph.D., Director Tony Estremera, Ms. Rita Norton, Mr. Charles Ice, Hon. Dean Chu, Hon. Tara Martin-Milius, Ms. Tess Byler, Director Nai Hsueh and Rev. Jethroe Moore, II, spoke on: rate increase, Williamson Act qualifiers (farmers), rate cap, issues with providing open space credit, supporting local farmers, protecting Coyote Valley, long term impacts, best management practices, preservation of small farmers and green energy.

The Committee took the following action:

It was moved by Mr. Marc Rauser, seconded by Hon. Dean Chu, and by majority vote carried, to approve having the Board consider keeping the agricultural rate as low as possible and equitable while finding other sources. If it is not equitable then the larger farmers should pay the higher rates.

It was moved by Mr. Charles Ice, seconded by Hon. Tara Martin-Milius, and by majority vote carried, to approve having the Board consider having staff analyze and propose 2 pathways 1. ½% increase every year over 8 years up to 10% and 2. Keep staff's recommendation with an added administrative task and associated costs with the co-opping of smaller farms that don't meet the acreage qualification of the Williamson Act/Conservation Easement and come up with best management practices and water conservation measures.

5.4 UPDATE FROM WORKING GROUPS

Chair Byler stated there were no reports from any working group.

Director Nai Hsueh reported out that the working groups for 2019, will focus more in alignment with the Board's 2019 work plan.

No action was taken.

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

Chair Byler and Ms. Glenna Brambill reviewed the materials as outlined in the agenda item. Note, Committee requested to change work plan item #8 (Climate Change Mitigation-Carbon Neutrality by 2020 Program Update/Energy Use Policy Discussion) to July's Agenda.

Committee agreed to add Bay Delta-CA WaterFix to the 2019 work plan.

Rev. Jethroe Moore, II left at 8:11 p.m. and did not return.

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

Ms. Glenna Brambill reported there were two action items for the Board consideration.

Agenda Item 5.3:

The Environmental and Water Resources Committee approved

1. By majority vote, carried to approve having the Board consider keeping the agricultural rate as low as possible and equitable while finding other sources. If it is not equitable then the larger farmers should pay the higher rates.
2. By majority vote, carried to approve having the Board consider having staff analyze and propose 2 pathways 1. ½% increase every year over 8 years up to 10% and 2. Keep staff's recommendation with an added administrative task and associated costs with the co-opping of smaller farms that don't meet the acreage qualification of the Williamson Act/Conservation Easement and come up with best management practices and water conservation measures.

7. REPORTS

7.1 DIRECTOR'S REPORT

Director Nai Hsueh reported on the following

- 2019 Board Chair is Director Linda J. LeZotte
- 2019 Board Vice Chair is Director Nai Hsueh

7.2. MANAGER'S REPORT

Mr. Garth Hall reported on the following:

- State Water Project
- Groundwater basins are in good shape

7.3 COMMITTEE MEMBER REPORTS

None.

8. ADJOURNMENT

Chair Ms. Tess Byler adjourned at 8:15 p.m. to the next regular meeting on Monday, April 15, 2019, 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:

File No.: 19-0382

Agenda Date: 4/15/2019

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Environmental and Water Resources Committee

SUBJECT:

Standing Items Report.

RECOMMENDATION:

- A. For the Environmental and Water Resources Committee to receive information on the Board's priorities on the following subjects:
1. Finalize the Fisheries and Aquatic Habitat Collaboration Effort (FAHCE) (Report from the FAHCE Ad Hoc Committee)
 2. Actively Pursue Efforts to Increase Water Storage Opportunities (Report from the Water Storage Exploratory Committee)
 3. Actively Participate in Decisions Regarding the California WaterFix (Report from EWRC Board Representative)
 4. Advance Recycled and Purified Water Efforts with the City of San Jose and Other Agencies (Report from the Recycled Water Committee)
 5. Advance Anderson Dam Seismic Retrofit Project (Report from the Capital Improvement Program Committee)
 6. Provide for a Watershed-Wide Regulatory Planning and Permitting Effort (Report from the Capital Improvement Program Committee)
 7. Ensure Immediate Emergency Action Plans and Flood Protection are Provided for Coyote Creek (Report from the Coyote Creek Flood Risk Reduction Ad Hoc Committee)
 8. Foster a Coordinated Approach to Environmental Stewardship Effort (Report from EWRC Board Representative)
 9. Advance Diversity and Inclusion Efforts (Report from the Diversity and Inclusion Ad Hoc Committee)
- B. This is informational only and no action is required.

SUMMARY:

The Environmental and Water Resources Committee was established to assist the Board with policy review and development, provide comment on activities in the implementation of the District mission, and to identify Board-related issues.

On March 12, 2019, the Board of Directors approved aligning the Board Advisory Committees'

agendas and work plans with the Board's yearly work plan.

The new agenda format will allow regular reports on the Board's priorities from the Board's committees and/or Board committee representative and identify subjects where the committees could provide advice to the Board on pre-identified subjects in a timely manner to meet the Board's schedule, and distribute information/reports that may be of interest to committee members.

ATTACHMENTS:

Attachment 1: Standing Items Report

Attachment 1A: Priority 2

Attachment 1B: Priority 4

Attachment 1C: Priority 7

Attachment 1D: Priority 9

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

STANDING ITEMS REPORT:

**1.
Finalize the Fisheries and Aquatic Habitat Collaboration Effort (FAHCE) (Report from the FAHCE Ad Hoc Committee) Vincent Gin**

NO REPORT: Since FAHCE is ongoing, there is no new information to report.

**2.
Actively Pursue Efforts to Increase Water Storage Opportunities
(Report from the Water Storage Exploratory Committee) Christopher Hakes**

See Attachment 1A

**3.
Actively Participate in Decisions Regarding the California WaterFix
(Report from EWRC Board Representative) Board Chair, Nina Hawk**

NO REPORT: A verbal update from the EWRC Board Representative may be provided at the meeting.

If you are interested in attending EWRC meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

**4.
Advance Recycled and Purified Water Efforts with the City of San Jose and Other Agencies
(Report from the Recycled Water Committee) Jerry De La Piedra**

See Attachment 1B

**5.
Advance Anderson Dam Seismic Retrofit Project (Report from the Capital Improvement Program (CIP) Committee) Christopher Hakes**

REPORT: During this period the CIP Committee reviewed the scope of the permitted activities for the project as well as the anticipated schedule for construction.

If you are interested in attending CIP meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

**6.
Provide for a Watershed-Wide Regulatory Planning and Permitting Effort (Report from the Capital Improvement Program (CIP) Committee) Vincent Gin**

NO REPORT: The Watershed-Wide Regulatory Planning and Permitting Effort has not been discussed.

If you are interested in attending EWRC meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

**7.
Ensure Immediate Emergency Action Plans and Flood Protection are Provided for Coyote Creek (Report from the Coyote Creek Flood Risk Reduction Ad Hoc Committee) Vincent Gin**

See Attachment 1C

8.

Foster a Coordinated Approach to Environmental Stewardship Effort (Report from EWRC Board Representative)

NO REPORT: A verbal update from the EWRC Board Representative may be provided at the meeting.

If you are interested in attending EWRC meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

9.

Advance Diversity and Inclusion Efforts (Report from the Diversity and Inclusion Ad Hoc Committee) Anna Noriega

See Attachment 1D

STANDING ITEMS REPORT:

2

Actively Pursue Efforts to Increase Water Storage Opportunities (Report from the Water Storage Exploratory Committee) Christopher Hakes

REPORT: at the February 22, 2019, the Water Storage Exploratory Committee discussed the following topics on Water Storage Opportunities: Valley Water participation in the Los Vaqueros Reservoir Expansion Project and Valley Water participation in the Site Reservoir Project.

Agenda Memo Summary 2/22/19:

Los Vaqueros Reservoir Expansion

Santa Clara Valley Water District (Valley Water) staff have continued to review the Los Vaqueros Expansion (LVE) Project, which proposes to expand an off-stream reservoir located in Contra Costa County and operated by Contra Costa Water District (CCWD). Originally constructed in 1998 with a capacity of 100,000 AF, it was expanded to 160,000 AF in 2012. The LVE Project would further expand the reservoir to 275,000 AF and add a new pipeline connecting CCWD's system to the California Aqueduct. Regardless of whether Valley Water stores water in the Los Vaqueros Reservoir, imported water could be moved from CCWD's intakes in the Delta to Valley Water's system without relying on the South-of-Delta pumps.

The total construction cost of the expansion is estimated to be approximately \$980 million (in 2015 dollars). CCWD received the maximum eligibility award of \$459 million from the California Water Commission (CWC) as part of WSIP funding. CWC authorized \$13.65 million in early funding for planning and design. CCWD has also requested \$10 million in federal funding for planning and design through the FY19 Water Infrastructure for Improvements to the Nation (WIIN) Act. However, CCWD needs more money from partners to continue with environmental, federal feasibility, financial evaluation, governance, permitting, and design efforts and to be used as matching local funds required for WSIP and WIIN. The total near term cost to local partners is estimated at \$3 million as part of a Multi-Party Cost-Share Agreement. Costs will be divided evenly between the local partners (currently there are ten (10) local partners). Valley Water would be required to contribute between \$283,000 to \$355,000, which would be in addition to our prior payment of \$100,000 to support CCWD's Proposition 1 application and would carry the LVE Project through the end of 2019 and the formation of a Joint Powers Authority (JPA). The current Local Agency Partner (LAP) participants are:

1. Alameda County Water District (ACWD)
2. Bay Area Water Supply & Conservation Agency (BAWSCA)
3. Byron Bethany Irrigation District (BBID)
4. City of Brentwood (Brentwood)
5. East Bay Municipal Utility District (EBMUD)
6. Grassland Water District (GWD)
7. Santa Clara Valley Water District (SCVWD)
8. San Francisco Public Utilities Commission (SFPUC)
9. Zone 7 Water Agency (Zone 7)
10. San Luis & Delta Mendota Water Authority (Authority)
 - 10.1. Del Puerto Water District (DPWD)
 - 10.2. San Luis Water District (SLWD)
 - 10.3. Westland Water District (WWD)

Potential Benefits to Valley Water

Water supply and operational benefits could be realized by diverting State Water Project (SWP), Central Valley Project (CVP), and/or surplus water without relying on the South-of-Delta pumps for direct delivery or pumped into an expanded Los Vaqueros Reservoir for later delivery. Staff anticipates the LVE Project could provide the following benefits to Valley Water:

- An increase in water supply, primarily in dry years;
- The ability to bank SWP and CVP contract supplies in an expanded Los Vaqueros Reservoir;
- The project's expanded storage and conveyances may provide alternate points of diversion for Valley Water during periods when SWP and CVP exports are restricted by regulatory requirements that do not apply to CCWD diversions;
- Imported water could be routed from CCWD to the California Aqueduct through a new Transfer-Bethany Pipeline; and
- Transfer-Bethany Pipeline could support other regional projects (e.g., desalination, refinery recycled water exchange, BARR water market).

Key near-term meetings and decision points on the LVE Project include the following:

- Winter 2018/2019 – LAPs execute the multi-party cost-share agreement
- Spring/Summer 2019 – Third party consultant review of user fees
- Spring/Summer 2019 – Decision to form JPA
- Spring/Summer 2019 – Form committee to select outside counsel to form JPA
- Summer 2019 - Partners & CCWD negotiate key terms of cost and governance

Winter 2019 – Finalize JPA

The Committee recommended the multi-party cost-share agreement be presented to the full Board for consideration.

Sites Reservoir Condensed Summary:

In 2017 the Board authorized the CEO to execute an agreement to participate in Phase 1 of the Sites Reservoir Project (Sites Project). That agreement is set to expire on March 31, 2019. The Sites Joint Powers Authority (JPA) offered to the District the opportunity to continue participating in the Sites Project by executing the Sites Project Authority 2019 Reservoir Project Agreement (2019 Project Agreement), which covers calendar year 2019 work activities. Execution of the agreement obligates the District to contribute funds to support development of the Sites Project through calendar year 2019 (Phase 2, Year 1). The District had been participating in the Sites Project at a targeted participation level of 4.8 percent (i.e., funding 4.8 percent of total project costs to preserve rights to 4.8 percent of total project benefits); maintaining this participation level would have obligated the District to provide up to \$1.44 million in funding for Phase 2, Year 1. However, the District had the choice to participate at a lower or higher level or to discontinue participation. A copy of the proposed 2019 Project Agreement is included as Attachment 1.

2019 Funding Objectives

The District's funding contribution will support a focused effort to develop key information needed prior to the end of calendar year 2019 to enable individual participants to decide whether to provide substantial funding for continued development of the Sites Project. Key information to be developed includes the following:

- Defined storage benefits and operational rules for participant utilization of storage in Sites Reservoir.
- Better definition of the expected level of funding by the state of California (State) and U.S. Bureau of Reclamation (Reclamation); associated benefits to State, Reclamation, and CVP water users; and determination of the impact of such funding on the cost and yield allocation among participants.
- Completion of, or at least significant advancement on, key agreements with the California Department of Water Resources (DWR) to define the relationship of the Sites Project to the SWP, and to identify the delivery priority for Sites Project water supply to participating SWP contractors south of the Delta.
- An updated and narrowed range of Sites Project operating scenarios and yields, considering the following:

- Compilation of geotechnical information for the Sites Project, including historical data and sampling planned for 2019, to further refine the range of construction cost estimates.

District staff's assessment was that, while preliminary estimates of water supply yield and costs are available, it is critical that the information above is developed to better define project benefits and costs prior to the District making a decision on whether to continue supporting the Sites Project.

Additional work included in the Sites Reservoir Project workplan for calendar year 2019, which the Sites JPA recommends performing to facilitate longer term project development, includes development of procedures to improve management and controls, preliminary design work, and agency coordination related to power and dam safety.

2019 Project Agreement

Execution of the 2019 Project Agreement obligates the District to provide funding for continued work on the Sites Project in calendar year 2019 and provide the District with a continuing seat on the Reservoir Project Committee (Reservoir Committee) through 2019. The total 2019 budget is roughly \$35 million, with about \$14 million of this to be funded by water user participants that comprise the Reservoir Committee. The remaining budget is expected to be funded using Prop 1 Water Storage Investment Program (WSIP) early funding and funds secured from provisions under the Water Infrastructure Improvements for the Nation Act (WIIN Act). The allocation of costs to the Reservoir Committee members is outlined in Exhibit A of the 2019 Project Agreement, and shows the District's contribution to be 10.3 percent of the \$14 million component of the budget. This contribution would correspond to the 4.8% total Sites Project targeted participation level at which the District had been participating in Phase 1 of the project. The District had the choice to provide funding at a different participation level for Phase 2 Year 1, with corresponding adjustments to the District's voting rights and preserved share of project benefits. Or the District could have chosen to discontinue participation in the Sites Project at this time. For the Board's convenience, a copy of the Project Members Agreement List contained in Exhibit A to the 2019 Reservoir Project Agreement has been included as Attachment 2.

The 2019 Project Agreement permits the Sites JPA and the participants in the 2019 Project Agreement to continue development of the Sites Project, consistent with the Fourth Amended and Restated Sites Project Authority Joint Exercise of Powers Agreement (Joint Powers Agreement), which is provided in Attachment 3. The 2019 Project Agreement provides that those who execute the agreement (Project Agreement Members) will preserve through 2019 a first right, equal to that Project Agreement Member's participation percentage, to contract in the future for a share of any water supply and storage capacity available from the Sites Project. In any successor phase agreements, continuing Project Agreement Members shall continue to preserve those rights.

Background

Sites Reservoir is a proposed 1.81 million acre-foot north-of-Delta off-stream reservoir that would be located approximately 10 miles west of the town of Maxwell in Colusa County. The Sites Project would collect winter flood flows from the Sacramento River with the objective of increasing water supply certainty, while ensuring in-stream flows to benefit the Delta ecosystem. The existing Tehama Colusa and Glenn County Irrigation District Canals, which both divert water from the Sacramento River, would be adapted to connect to Sites Reservoir. A new intake pump station and twin pipeline would be added to divert water near Delevan on the Sacramento River to Sites Reservoir. A map of the Sites Project is included as Attachment 4. The total capital cost of the Sites Project is anticipated to be \$5.5 billion in constant 2015 dollars, according to estimates provided by the Sites JPA to the California Water Commission (CWC).

Project Governance

The Sites JPA is comprised of Sacramento Valley water agency and landowner interests and was formed

on August 26, 2010 to pursue the development and construction of the Sites Project. The Sites JPA delegates authority to the Reservoir Committee, which has effectively become responsible for design and analysis of Sites Reservoir facilities and financing. The District, as well as other State Water Project contractor participants (SWC Participants) and some Sites JPA participants, serve on the Reservoir Committee. The governance structure with a list of current participants is shown in the Sites Authority and Reservoir Committee Structure, contained in Attachment 5. Staff anticipates that the governance structure may be evaluated and adjusted during Phase 2. District staff has communicated to the Sites Executive Director that the District will require a stronger role in project governance than that afforded under the Reservoir Committee if the District makes further significant funding to the Project.

Potential District Benefits

Sites Project water supply and operational benefits could be realized by diverting surplus water into Sites Reservoir during high river flow events for later release to participants, in conjunction with operation of Oroville and Shasta Reservoirs. District staff anticipates that the Sites Project could provide the following benefits to the District, if it is able to divert and store water as proposed with operations integrated with the SWP and CVP:

- An increase in water supply, primarily in dry years, which could, subject to future negotiations, be delivered as SWP project supplies;
- Storage rights in Sites reservoir proportional to the District's targeted participation level;
- Improvement in Shasta Reservoir storage levels and cold-water pool that may provide fishery benefits; and
- Stabilization or increase in CVP water supply allocations.

The extent to which these benefits can be realized depends on several issues that have yet to be resolved, including permit requirements, potential participation by Reclamation and other agencies, and integration of operations with the SWP and CVP as well as with other Sacramento Valley users and projects. While other participants have indicated their support for Phase 2, Year 1 during recent Reservoir Committee meetings, there is uncertainty regarding continued support in subsequent years. This support will depend largely on the outcome of Phase 2, Year 1 work efforts.

Staff has evaluated preliminary modeling results provided by the Sites JPA in its WSIP application to assess the share of yield that could be delivered to the District if the District continues to target a 4.8 percent participation level. Given several uncertainties associated with permit requirements and implementation of the California WaterFix, staff has conservatively assigned losses of 25 percent on the modeled deliveries. This results in a yield of roughly 23,000 acre-feet per year in 'dry' and 'critical' years being available to the District, and around 12,000 acre-feet per year on average. Note that these yield amounts available to the District are *new water*, not otherwise available to the District, for example, through other projects currently being considered. These modeled values of 23,000 AFY in dry/critical years and 12,000 AFY on average require significant updating with information to be developed in 2019. Ultimately the amount of project yield and benefit that is *usable* by the District depends on the portfolio of water supply projects that the District ultimately implements; the outcome of negotiations among water agency participants, DWR, and Reclamation; the outcome of ongoing regulatory processes; and refinements of Sites Project operations to reflect storage benefits and updated operational constraints. Additional modeling refinements are currently being implemented to better estimate potential yields and benefits.

Phase 1 Accomplishments

Phase 1 accomplishments include:

- CWC gave Sites Project a Maximum Conditional Eligibility Determination (MCED) of \$816 million in Proposition 1 funding. CWC also determined that Sites Project could receive up to \$40.8 million of this MCED as early funding.
- Release of a draft EIR/EIS for Sites Project on August 14, 2017.

- Reclamation’s release of a draft Feasibility Report for the Sites Project on August 14, 2017. A Final Feasibility Report is expected in December of 2020 and will serve as the basis for federal appropriations under the WIIN Act. Based on conversation with Reclamation, the Sites JPA estimates the total WIIN Act funding for the Sites Project at \$1.3 billion, with \$10.1 million available as early funding in 2019.
- Approval by the U.S. Department of Agriculture (USDA) for a \$449 million construction loan, with a locked-in interest rate of 3½ percent.
- Strong bipartisan support including 43 of California’s Congressional Representatives. A list of Sites Project supporters is included as Attachment 7.

Phase 2 Costs

Phase 2 is currently expected to extend through June 2022. The Sites JPA has estimated this phase will cost a total of \$420 million. Of this amount, \$70 million is expected to come from early funding through WSIP (\$40 million) and the WIIN Act (\$30 million). The remaining \$350 million would be covered by Sites Project participants. Based on feedback from participating agencies, including the District, the Sites JPA is currently planning to utilize annual funding agreements to cover the participant share of the costs. The 2019 Project Agreement covers funding for only the first year of Phase 2. Table 1 shows how the participant costs will be broken up over these agreements and provides an estimate of the Districts expected share of those costs if the District had continued to target a 4.8 percent participation level, assuming there is no change in the participation makeup of the Project.

Table 1: Estimated Sites Phase 2 Participant Costs (\$ millions)

	Year 1	Year 2	Years 3-4
Participant Costs	14	90	245
District Share at a 4.8% participation level	1.4	9.2	25.1

Phase 2, Year 1 Participation Level

While staff recommended that the District continue to pursue a 4.8 percent participation level in the Sites Project, the Board considered options for reducing its participation or discontinuing participation altogether at this time. Had the District decide to discontinue participation, the future opportunity for rejoining the Sites Project would have depended largely on the extent to which other participants continue to participate and on any new terms and conditions for entry that may be applicable in the then-current reservoir project agreement. The proposed 2019 Reservoir Project Agreement provides for new participation (or stepping up a prior participation level) at a lower priority than existing participant allocated shares. Also, if the District elected to decrease its participation level, it would be able to receive a partial refund of monies already contributed to the Sites Project and may receive a full refund in the future, however any such future reimbursement would be subject to the Sites Project going forward.

Table 2 shows how different levels of participation could affect expected yield and costs to the District, while Table 3 provides pros and cons for each option.

Table 2: A Comparison of Cost and Yields at Different Participation Targets in the Sites Project

Option	Target District Share	Average Annual Yield (acre-feet)	District Costs (\$ millions)	
			Phase 2, Year 1	Capital (2015 Dollars)
A	4.8%	12,000	1.4	265
B	3.2%	8,000	0.96	177
C	1.6%	4,000	0.48	88
D	0%	0	0	0

Table 3: A Comparison of Pros and Cons at Different Participation Targets in the Sites Project.

Option	Target District Share	Pros	Cons
A	4.8%	<ul style="list-style-type: none"> • Est. 12,000 AFY avg. yield (23,000 AF in dry/critical years) • Retain influence over the project as the 2nd largest investor • Option to reduce participation at a later date 	<ul style="list-style-type: none"> • Water Master Plan analysis indicates that the District may not need Sites yield if California WaterFix, advanced purified water, and other anticipated projects are successfully developed*
B	3.2%	<ul style="list-style-type: none"> • Lower Phase 2 Year 1 costs • Est. 8,000 AFY avg. yield (15,000 AF in dry/critical years) • Maintain some influence over project development • Possible credit on Phase 2 cost based on Phase 1 payments 	<ul style="list-style-type: none"> • May be difficult to increase participation at a later date • Reduced influence over the project as medium investor
C	1.6%	<ul style="list-style-type: none"> • Lower Phase 2 Year 1 costs. • Est. 4,000 AFY avg. yield (8,000 AF in dry/critical years) • Maintain some influence over project development • Possible credit on Phase 2 cost based on Phase 1 payments 	<ul style="list-style-type: none"> • May be difficult to increase participation at a later date • Reduced influence over the project as small investor
D	0%	<ul style="list-style-type: none"> • No additional costs to the District • Possible reimbursement for Phase 1 payments 	<ul style="list-style-type: none"> • Unknown future opportunity to contract for water supply and storage • May increase possibility the project may not go forward

*This assumes that the State Water Resources Control Board does not significantly reduce export levels through the Bay Delta Plan update.

Total Project Cost

The total capital cost of the Sites Project in constant 2015 dollars is roughly \$5.5 billion and its annual O&M costs are estimated at \$27 million. At a 4.8 percent participation level in the Sites Project, the District's share of these costs are \$265 million and \$1.3 million, respectively. The cost per acre-foot of yield could potentially be between \$800 to \$1,200, depending on ultimate average yield of the Sites Project. These cost estimates are based on assumptions made in the WSIP application for the Sites Project; staff will provide an updated financial analysis prior to requesting any additional funding for the Sites Project

The Water Storage Exploratory Committee recommended the Board approve the continued participation in the Sites Project. Committee members Santos and Varela recommend option B at a funding level of \$960,000, while Committee Chair Kremen recommended a split between options B and C at a funding level of \$720,000.

On February 26, the Board received this recommendation and approved continued participation in the Sites Project under option B at a funding level of \$960,000.

If you are interested in attending Water Storage Exploratory Committee meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

STANDING ITEMS REPORT:

4

Advance Recycled and Purified Water Efforts with the City of San Jose and Other Agencies (Report from the Recycled Water Committee)

Jerry De La Piedra

The Recycled Water Committee has not met since November 2018. However, on February 26, 2018, staff presented the full Board the following update on the Santa Clara Valley Water District's (Valley Water's) Countywide Water Reuse Master Plan (Reuse Master Plan).

Agenda Memo Summary:

The Reuse Master Plan, which is scheduled to be completed by Fall 2019, will establish the strategies for increased water reuse in Santa Clara County (County). The Reuse Master Plan is being developed in collaboration with local recycled water producers, wholesalers, retailers, users, and other interested parties. The Reuse Master Plan recognizes that Valley Water, with its responsibilities for wholesale water supply and groundwater management in the County, will have a leadership role in setting and implementing water reuse strategies. Importantly, cities and water distribution companies have the opportunity to sustain and advance water reuse within their respective service areas.

The Reuse Master Plan will identify: the volume of water available for potential potable reuse (PR) development and non-potable reuse (NPR) expansion; a consensus balance between future PR and NPR programs; options for water reuse system integration; opportunities for building upon existing NPR projects; and potential new PR projects. It will also discuss governance model options including roles and responsibilities.

Valley Water is conducting a process to engage various interest groups, including agencies that operate wastewater treatment plants and produce recycled water (referred to as "Partner Agencies"), policymakers, stakeholders, industry experts, regulators, business interests, ratepayer advocates, environmental groups, and the public. The Partner Agencies and associated facilities are as follows:

- City of Palo Alto and City of Mountain View
 - Palo Alto Regional Water Quality Control Plant and recycled water system;
- City of Sunnyvale
 - Sunnyvale Water Pollution Control Plant and recycled water system;
- City of San José and City of Santa Clara
 - San José-Santa Clara Regional Wastewater Facility and South Bay Water Recycling;
and
- South County Regional Wastewater Authority
 - South County Wastewater Treatment and Reclamation Facility and recycled water system.

Beginning in 2016, staff has been providing updates on Reuse Master Planning efforts to the Board's Recycled Water Committee and the four Joint Committees with representatives from Partner Agencies. In addition, multiple stakeholder workshops have been held each year. Additional workshops are being scheduled during the planning process to further engage stakeholders and receive their input.

The Reuse Master Plan is being developed in stages, defined by certain deliverables. These deliverables, which will eventually be assembled into a cohesive Reuse Master Plan, are as follows:

Project Definition, Roles and Responsibilities Technical Memorandum (TM)

This deliverable establishes the project purpose, describes roles and responsibilities of Valley Water and Partner Agencies, and provides a basis for subsequent task deliverables.

Regulatory Framework Technical Memorandum

This deliverable provides a brief history and overview of water reuse policy in California, including relevant regulations, regulatory agencies' responsibilities, recycled water use in the County and recycled water regulatory structure. The deliverable describes a Non-Potable Reuse (NPR) and Potable Reuse (PR) framework, including approaches, a regulatory summary, and regulatory requirements.

Baseline Analysis Technical Memorandum

This deliverable describes the current state of water reuse in the County. Treated effluent from the four wastewater treatment facilities in the County supplies the four existing in-County NPR systems.

Valley Water analyzed current and projected conditions at each of the four NPR producers to estimate the volume of water available for reuse. The Baseline Analysis Deliverable identifies key countywide water reuse assumptions and existing conditions.

Project Portfolio Development

This deliverable will describe potential water reuse projects developed with input from stakeholders to achieve shared objectives of a sustainable water supply. Based on Partner Agency feedback to date, Valley Water has assembled potential projects into portfolios for further discussion and evaluation.

These five portfolios utilize existing treatment plants, reuse facilities and related infrastructure as described below:

- **Portfolio #1** features expanded and interconnected enhanced NPR systems with phased Indirect Potable Reuse (IPR) or Direct Potable Reuse (DPR) supply from the San José-Santa Clara Regional Wastewater Facility,
- **Portfolio #2** features expanded and interconnected enhanced NPR systems in North County with IPR or DPR supply from a regional Advanced Water Purification Facility (AWPF),
- **Portfolio #3** features expanded and interconnected enhanced NPR systems with IPR or DPR supply from the Palo Alto Regional Water Quality Control Plant,
- **Portfolio #4** features expanded and enhanced NPR systems in North County with IPR or DPR supply from a regional AWPF in Palo Alto or Sunnyvale, and
- **Portfolio #5** features expanded and interconnected enhanced NPR systems and focuses on raw water augmentation to Penitencia Water Treatment Plant.

To further analyze these five portfolios, Valley Water developed evaluation criteria with participation from the Project Partnership Group (consisting of Partner Agencies). Using Project Partnership Group feedback, Valley Water iteratively refined and confirmed prioritization and respective weighting criteria. Based on this analysis, Portfolios #1, #2, and #4 were constantly ranked as the top three to date.

Valley Water Recycled Water Committee Recommendations

At their November 14, 2018 meeting, the Recycled Water Committee (Committee) made several recommendations related to staff's update on the Reuse Master Plan. Upon Board direction, staff will prepare responses and provide information at upcoming Committee meetings to address these questions.

Countywide Water Reuse Master Plan

1. Add a rate payer advocate group to the Stakeholder Task Force
Staff has identified Bill Sherman, a member of a local water rate advocacy group, and recommends that he be invited to future stakeholder workshops.
2. Develop a matrix summarizing status of potential partners
Staff has drafted a matrix that summarizes the current status of water reuse discussions with Partner Agencies. Recommended key points include: status on willingness to partner; land availability; water availability; water quality issues; reverse osmosis concentrate management options; and potential governance.

3. Coordinate the Reuse Master Plan with the Water Supply Master Plan
The Countywide Water Reuse Master Plan is being developed in coordination with the Water Supply Master Plan update, Reverse Osmosis Concentrate Management planning, and other relevant planning efforts in the County. Staff is prepared to better make the connection between the two plans in future presentations/updates.
4. Review criteria and scoring of Reuse Master Plan Portfolios
The draft scoring criteria was initially derived from federal and state guidelines. Stakeholder input was then used to refine the criteria and to develop a sensitivity analysis, which included eleven scenarios with different scoring and weighting. Staff meet with Direction Kremen to review the analysis and answer his questions. No additional action was requested.
5. Add the concept of “work with willing partners” to the guiding principles
Staff is refocusing resources towards agencies willing and ready to work directly with Valley Water on water reuse projects and strategies.

Purified Water Program Public-Private Partnership (P3)

6. Alternatives for achieving comprehensive agreements
Explore alternatives for achieving one or more comprehensive agreements with potential Partner Agencies including: engage a third party (negotiator or facilitator); involve the Silicon Valley Leadership Group; or accelerate release of a P3 Request for Proposals to allow a P3 entity to assist in developing the agreement(s).

Site-specific Recycled Water

7. Guiding principles for onsite water reuse in Santa Clara County
The Committee requested this item be added to their 2019 Work Plan.
8. Feasibility of providing recycled water to the Vallco redevelopment
Staff has been reviewing requests from developers regarding service from the Wolfe Road Recycled Water Pipeline in Sunnyvale and Cupertino. Technical feasibility depends on quantity, location and timing of water demands. Additional considerations include permitting, construction, and cost-sharing. As the Vallco redevelopment progresses, staff will continue to work with the City of Sunnyvale, City of Cupertino, water retailers, and the developer on the feasibility of a potential expansion.

Next Steps

The Portfolios outlined above will be further refined with hydraulic modeling, cost analysis, and preliminary engineering (10% design). As each of the potential AWPFS identified will require reverse osmosis concentrate management, the portfolios will be further analyzed in the Valley Water’s Reverse Osmosis Concentrate Management planning process, which is being developed in parallel with this Reuse Master Plan. The portfolio refinement is scheduled to be completed in Summer 2019.

Additional input from stakeholders and Partner Agencies will help refine these portfolios. More meetings of the Stakeholder Task Force and Project Partner Group are planned for 2019 for this purpose. The final Reuse Master Plan is anticipated to be completed in Fall 2019. After finalizing the portfolios with stakeholder feedback, staff will present a draft Reuse Master Plan for the Board’s consideration.

The Board approved the Committee’s November 14, 2018, recommendations.

If you are interested in attending Recycled Water Committee meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

STANDING ITEMS REPORT:

7

Ensure Immediate Emergency Action Plans and Flood Protection are Provided for Coyote Creek (Report from the Coyote Creek Flood Risk Reduction Ad Hoc Committee)

Board of Directors received an update on updates associated with Coyote Creek

12/12/18 Agenda Memo Summary:

A. Joint Emergency Action Plan

Outcome

By accepting the report on the additions to the Joint Emergency Action Plan (JEAP), both agencies acknowledge:

- The City and the District committed to an agreement on November 3, 2017 to annually test and update the JEAP as needed;
- Changes are identified by designated staff from the City and District;
- Updates are tested in an annual exercise; and
- Updates are approved by the City Manager and District Chief Executive Officer.

The operational and mobilization elements of the JEAP provide guidelines to the appropriate managers and functional departments of both agencies for joint decision-making and mobilization of resources during all four levels of flood threat. The JEAP outlines roles and responsibilities on public communications and emergency notification. Multilingual messages, methods for communicating, and channels of communication are now pre-determined and in accordance with flood condition and operational levels.

This JEAP provides oversight and guidance. It is not intended to provide ultra-detailed directives of what to do during storms and flood monitoring and response, as the City and District have independent responsibility with limited resources to accomplish their tasks. Led by the City in coordination with the District, the JEAP is reviewed by staff, updated, and tested by an annual exercise, and presented to Executive Management for approval.

Background

With staff of both jurisdictions participating, the JEAP was developed by a Management Team that organized staff within six Work Groups to prepare the components of the JEAP, as well as to plan and implement other actions to mitigate flood concerns. These Work Groups included:

1. Joint Emergency Action Plan (JEAP)
2. Technical
3. Communications
4. Creek Management
5. Short-Term Projects
6. Action Planning

The Management Team reconvened meetings in June 2018 to identify the key waterways that would be added to the JEAP. Team members recognized the need to add Canoas and Ross Creeks and the Guadalupe River. Staff met in their respective groups to develop review materials for the additional waterways.

On November 5, 2018, designated City and District staff met to evaluate the JEAP materials. An outside consultant conducted the Table Top Exercise, and staff actively participated. The key findings identified that the JEAP remains a viable tool, and the additional materials related to Canoas, Ross and Guadalupe

are consistent with the Coyote Creek scenario. The opportunity to access real time data and updated hydraulic maps were identified.

Joint Emergency Action Plan (JEAP) Analysis

The JEAP is operational throughout the year, regardless of conditions. When flooding is not a concern, stakeholders focus on preparedness, which largely entails activities that reduce the risk of flooding and preparedness education in the community. During this period, stakeholders perform such activities consistent with their jurisdictional responsibilities. When flooding becomes a concern, the EAP provides guidance based on three proven, operationalized programs: Multi-Agency Coordination (MAC) Group, Flood Condition Levels, and model data.

Multi-Agency Coordination (MAC) Group. City and District staff agree that operating under the structure of a MAC Group will improve coordinated decision-making, operational response, and communications. Concepts and activities outlined in the EAP are associated with the level of storm or flood threat. To maintain the collaborative nature of a MAC, this EAP is considered active 24/7. The principles and actions of a MAC are integrated at all levels. The intensity and degree of activity will increase or decrease in response to stream and creek conditions.

Flood Condition Levels. Flood condition levels align with four definitions used by the National Weather Service:

1. **Preparedness (Green)** – Stream depth is below 50% of flood stage. Flooding is not expected within the next 72 hours.
2. **Monitoring (Yellow)** - Stream depth is between 50% and 70% of flood stage. Flooding could possibly be reached in 72 hours or more.
3. **Watch (Orange)** - Stream depth is between 70% and 100% of flood stage. Flooding could be reached within 24 to 72 hours.
4. **Warning (Red)** – Stream depth is very close to or at flood stage. This is an urgent situation. Flooding is estimated to occur within 24 hours or is occurring.

Staff determine flood condition levels by using information from the following sources:

- Weather forecasts
- The District's Automated Local Evaluation in Real Time (ALERT) Gauge System, providing data readings at <http://alert.valleywater.org/sqi.php>.
- Hydrologic/Hydraulic Modeling
- Observations by field teams

Model data. From the experience in writing the original JEAP in 2017, the District staff developed hydraulic model data for the Canoas and Ross Creeks and the Guadalupe River, while City staff updated their storm drain system model. From these updated models, staff created stage-based flood inundation maps that include both the creek and storm drain flooding information for reference during future flood events. The additional hydraulic system data and maps were added to the JEAP document.

Evaluation and Follow Up

The City of San José Office of Emergency Management will maintain the plan and provide updates as needed. For 2018, the JEAP went through individual agency review, and a joint Tabletop Exercise (TTX) on November 5, 2018. On an annual basis the EAP will be reviewed, exercised, and updated. When updates are identified, the City Manager and General Manager will be briefed and have the authority to approve the updates.

Public Outreach

The methods of how to reach the public were reviewed in a series of public "Winter Storm Resource Fairs" in 2017. The methods on how to communicate with the public and the messages to be disseminated are consistent. Through the City and District public education staff, contact with the public

remains paramount and provided during regular meetings with neighborhood associations, public meetings, and activities.

Coordination

The development of this memorandum has been coordinated with the Santa Clara Valley Water District, City Attorney's Office, and relevant City Departments.

B. Anderson Dam Winter Operations

The District operates 10 surface water reservoirs throughout the county. The District reservoirs are operated primarily as water supply facilities that provide incidental flood protection, environmental and recreational benefits. Many reservoirs are operated to flood risk reduction rule curves. The volume of water above the rule curve may be released if it is safe to do so, to create additional storage in the reservoir and to reduce flood potential. The curves maximize water supply benefit and reduce flood risk with a high probability of the water being recovered by the end of the season.

The following is a checklist of activities performed by Raw Water Operations/Field Operations staff before a reservoir flood release is initiated;

- Check weather forecast (estimate rainfall runoff)
- Check stream flow
- Check for National Weather Service Advisories/Watches/Warnings
- Coordinate with Watershed Operations (identify any existing blockages or restrictions downstream)
- Notify residents and agencies on creek contacts list

Many of the District's reservoirs are subject to seismic restrictions set by the State Division of Safety of Dams (DSOD) limiting the volume of water stored in the reservoirs. In October of 2017, following an extremely wet winter, the District's Board directed staff to operate the Anderson Reservoir system following a 40% exceedance rule curve to reduce the probability that Anderson Reservoir storage levels would exceed the seismic restriction limits. By operating to stay below the seismic restriction, this also reduces the chances of Anderson reservoir spilling and any associated downstream impacts. The winter of 2017/2018 produced below normal rainfall throughout the state and locally. As a result, local reservoir storage is only a quarter of the total capacity and storage levels in Anderson Reservoir never reached the rule curve to require releases. Anderson Reservoir will continue to be operated following the 40% exceedance rule curve during the winter of 2018/2019.

C. Santa Clara Valley Water District Flood Awareness and Winter Preparedness Campaign for 2018-2019

This winter, the District will continue to deliver flood-safety messages throughout Santa Clara County. The main public education objectives are the following:

- Convey to the general public that flooding can be a serious threat (even if you don't live in the floodplain)
- Explain what people can do to protect themselves and reduce risk to life and property
- Direct the public to appropriate District resources on valleywater.org/floodready for additional information
- Earn credit towards FEMA's Community Rating System through our Program for Public Information, which helps communities earn discounts on flood insurance premiums for residents

In November, a targeted mailing of the annual floodplain mailer was mailed to nearly 53,000 homes and businesses in or near flood-prone areas. The piece provides information on flood-protection projects and flood-safety resources and features a countywide map indicating 100-year FEMA flood zones. The mailer is written in English, Spanish, Vietnamese and Chinese. This year we are running a full-scale paid advertising campaign that launched in November and will continue through the end of March 2019. The campaign may be further expanded if the winter turns out to be particularly wet.

During the winter months, the District will convey flood preparedness messages through a selected range of communications platforms including radio spots, newspaper ads, online ads, social media and web videos. To reach diverse ethnic audiences, media messages will be delivered through Spanish, Chinese and Vietnamese media outlets. The focus of the District's flood awareness campaign is informing the community of flooding hazards in the county and to providing information on what community members can do to protect their family and property before, during and after a potential flooding event. Flood-safety tips and messages will also be heard by callers to the District when placed on hold.

This fall we participated in 14 community events to distribute flood-preparation materials and answer questions about flood safety. We have chosen events that are in areas most prone to flooding. These include parts of South County in Morgan Hill and Gilroy, Sunnyvale and Mountain View along the shoreline, as well as vulnerable areas in San Jose. District staff has pursued partnership opportunities with local community-based organizations in cities with flood-prone areas to identify opportunities for outreach. District staff has also been working with City Council offices to include flood-safety messages in council district newsletters as appropriate throughout the winter months. With the help of City Council staff, the District has been reaching out to neighborhood associations that represent areas in flood zones and is offering a presentation to communities on existing flood risks and winter preparedness. In November, district staff presented to the District 9 Leadership Group on flood risks specifically related to Ross Creek.

Through our outreach, we are also promoting Santa Clara County's AlertSCC emergency notification system and their ReadySCC app. AlertSCC is a free, easy, and confidential way for anyone who lives or works in Santa Clara County to get emergency warnings sent directly to their cell phone, mobile device, e-mail, or landline. It is one of the most effective ways for local jurisdictions to communicate flood hazards and evacuation orders, but it requires residents to opt into the system. The ReadySCC App allows residents to prepare a family emergency plan with five simple questions, send status updates to contacts, receive advisories and alerts via push notifications, and includes a detailed guide with step-by-step instructions for creating an emergency kit. As an incentive to download ReadySCC, residents who download the app receive a free emergency starter kit. These kits were first introduced to the community last year and include basic supplies such as a hand-operated flashlight, mylar blanket, rain poncho, safety whistle, gloves and glow stick. While these kits are basic, they serve as encouragement for residents to begin preparedness on a larger scale. Residents who do not have a mobile phone are encouraged to fill out emergency contact cards to receive their kit.

The District website serves as a one-stop shop for flood-related information, including how to register for emergency updates, flood safety tips and information on sandbag sites, stream and reservoir gauges in the county. The website also prominently displays the district's Flood Watch Tool. Social media and online publications through our news website, valleywaternews.org, will continue to be utilized to provide registered recipients with timely and immediate flood-hazard messages.

D. Coyote Creek Feasibility Study

Over the past year, the District has continued progress on planning and delivering a flood risk reduction project to the Coyote Creek community. The project is currently in the planning phase. The project will develop solutions to protect Coyote Creek communities from Montague Expressway to Tully Road up to at least the level of the February 2017 flood, which was the highest flow event since Anderson Dam was constructed in 1950. The draft problem definition report has been completed and is under review. This will be followed by alternatives development and analysis in the remainder of FY19. The problem definition report is the first step in the planning phase and describes the findings and problems identified along the creek. Public input meetings are currently being scheduled for early in 2019.

Concurrently, the District is also conducting a US Army Corps of Engineers (USACE) feasibility study, with as-needed technical help from the USACE, paid by the District. This is being done to potentially become eligible for federal and state funding for the flood protection project. A Memorandum of

Agreement was developed with the USACE in May 2018 and the feasibility study is currently being scoped.

In 2017, the District planned, designed and built a 900-foot long levee/floodwall section to protect the Rock Springs community from a flood similar to the 2017 event. This interim project was completed in January 2018 and is currently in operation. The District will continue to look for similar early implementation opportunities to effectively reduce the risk of flooding to the community as the planning study is being developed.

If you are interested in attending Coyote Creek Flood Risk Reduction Ad Hoc Committee meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

STANDING ITEMS REPORT:

9 Advance Diversity and Inclusion Efforts (Report from the Diversity and Inclusion Ad Hoc Committee) Anna Noriega

Agenda Memo Summary 3/8/19:

CONSIDERATIONS AND RECOMMENDATIONS OF EFFECTIVE TOOLS FOR MEASURING THE SUCCESS OF THE DIVERSITY AND INCLUSION PROGRAM

At the previous Diversity and Inclusion (D&I) Ad Hoc Committee meeting in August of 2018, staff presented the Ad Hoc Committee with several performance metrics measuring the success and effectiveness of the D&I program at the District. Following the presentation, staff was asked to share the same performance metrics with the entire Board. In preparation for the upcoming presentation, the D&I team has updated the statistics and figures in the initial presentation. Most notably, the updated presentation contains a comparison between the 2016 and 2018 Great Places to Work (GPTW) survey results, the latter of which was not yet available in August of 2018. The following memo outlines key insights and comparisons between the two surveys. In addition to the update to the GPTW results, the presentation to the Board will also contain minor updates to the following metrics to reflect the most current data available:

1. Applicant v. Hire Data (replacing FY18 Q3 data with FY19 Q2 data)
2. Demographics by Job Group Comparison (replacing FY18 Q3 data with FY19 Q2 data)
3. Applications received vs. new external/internal hires (replacing FY18 Q3 data with FY19 Q2 data)

The remainder of this report will go into greater detail regarding the comparison of GPTW results between 2016 and 2018.

I. Great Place to Work

Organizations often measure employee engagement through a semi-regular engagement survey. Since 2016, the District has utilized the Great Place to Work Trust Index Employee Engagement Survey on a biennial basis to measure employee engagement.

Great Place to Work ("GPTW"), a third-party organization which markets itself as the "global authority on building, sustaining, and recognizing high-trust organizational cultures," created and administered the survey. The Great Place to Work Trust Model is built on 25 years of research and data collected through their Trust Index Employee Survey, which is taken by millions of employees annually worldwide. Responses to the survey are anonymous.

II. Changes Between 2016 and 2018 GPTW Surveys

511 staff (71% of District staff) completed the GPTW survey in 2016 and 548 staff (74% of District staff) completed the survey in 2018. While the two surveys are largely the same, there are some key differences between the two. Firstly, in 2016, employees were asked to respond to 64 statements, including 6 of which

were submitted by the District. In 2018, 9 statements were removed and replaced by 5 new statements. The modified statements are listed below.

Removed	Added
This is a friendly place to work.	Our executives fully embody the best characteristics of our company.
There is a "family" or "team" feeling here.	We celebrate people who try new and better ways of doing things, regardless of the outcome.
We're all in this together.	People here quickly adapt to changes needed for our organization's success.
I feel the District has effective processes in place to ensure the delivery of quality products and services.	I would strongly endorse my company to friends and family as a great place to work.
People are not ridiculed due to their background, personal traits, or characteristics.	Our customers would rate the service we deliver as "excellent."
Consequences for poor performers in our organization are reasonable and timely.	
My manager/supervisor provides me with timely feedback on my work.	
I feel like I can raise issues without fear of retaliation.	
I know where to turn for guidance at work about ethical issues, harassment or discrimination.	

In addition, while in 2016 employees were asked to respond to each statement on the survey twice (once for how employees felt about the statement with the organization in mind, and the other with their individual work group in mind), that was not the case in 2018. In 2018, GPTW sought a more holistic approach to each statement. Throughout this memorandum, I will refer to the 2016 data as an average between the two scores it received in 2016 for comparison purposes with the 2018 data.

III. Overview of Results

The statements and results in the GPTW Survey are grouped into five main categories: (1) credibility, (2) respect, (3) fairness, (4) pride, and (5) camaraderie. At the end of the survey, respondents were asked their level of agreement on the statement: "Taking everything into account, I would say this is a great place to work."

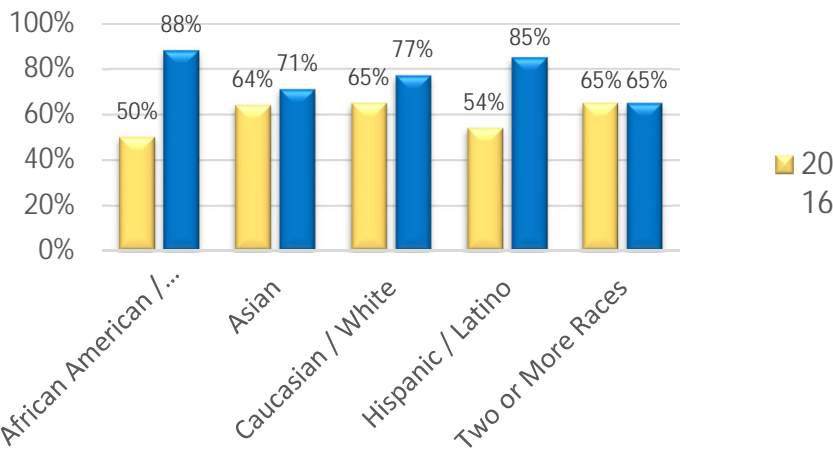
In 2018, 76% of District staff agreed with the statement, "Taking everything into account, I would say this is a great place to work," which is an increase of 12% from the 64% response in 2016. Furthermore, the average agreement between the 60 shared questions between 2016 and 2018 increased from 58.8% in 2016 to 66% in 2018. Comparison of these data points show a large increase in employee satisfaction, and in 2018, the District met the threshold on the statement average and qualified for a Great Place to Work® certification. The data in the table below contains more detail.

	2016	2018	Change
Credibility	52%	58%	↑ 6%
Respect	61%	67%	↑ 6%
Fairness	58%	65%	↑ 7%
Pride	66%	71%	↑ 5%
Camaraderie	61%	71%	↑ 10%
Great Place to Work	64%	76%	↑ 12%
Average of All Statements	59%	66%	↑ 7%

IV. Comparison of District Data between 2016 and 2018

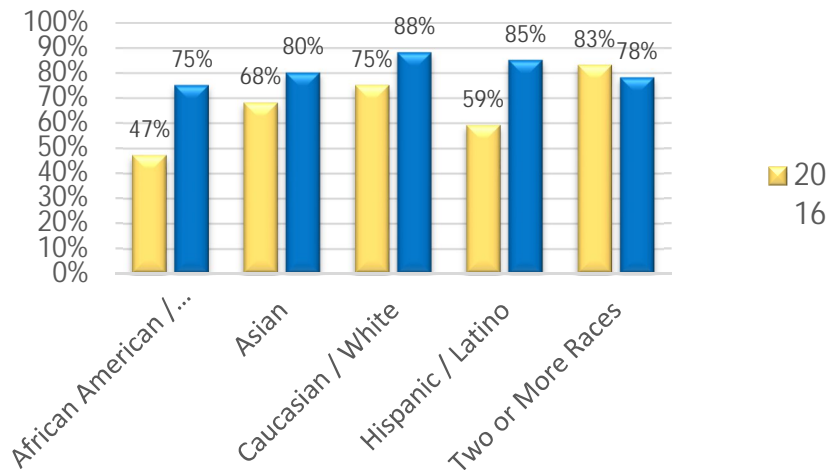
Within the survey, employees were asked to respond to three statements specifically related to diversity and bias through age, race, and sex. The three charts below illustrate a comparison between the responses from 2016 and 2018, with the 2016 responses being shown in yellow, and the 2018 responses being shown

People here are treated fairly regardless of their age

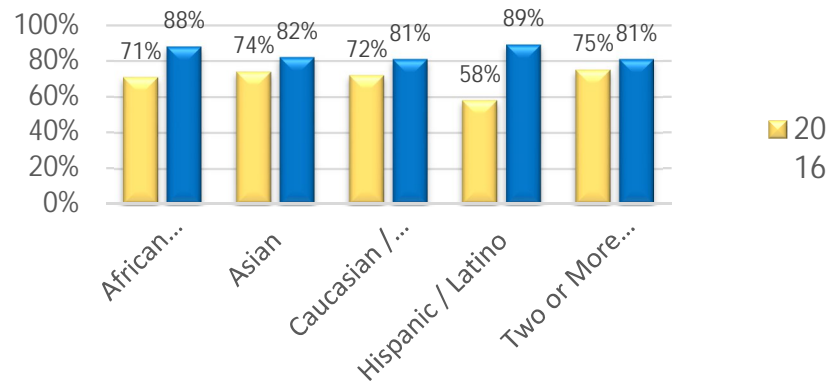


in blue.

People here are treated fairly regardless of their race



People here are treated fairly regardless of their sex

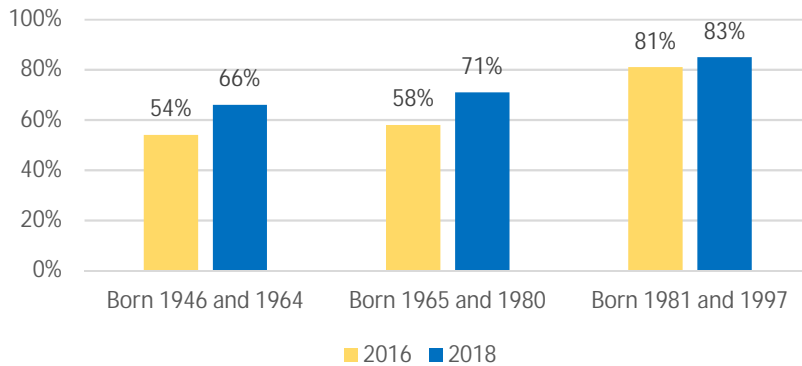


In the last two years, the numbers have increased or held steady in nearly all areas across the board.

The following charts contain a further breakdown, by demographic, of the survey results.

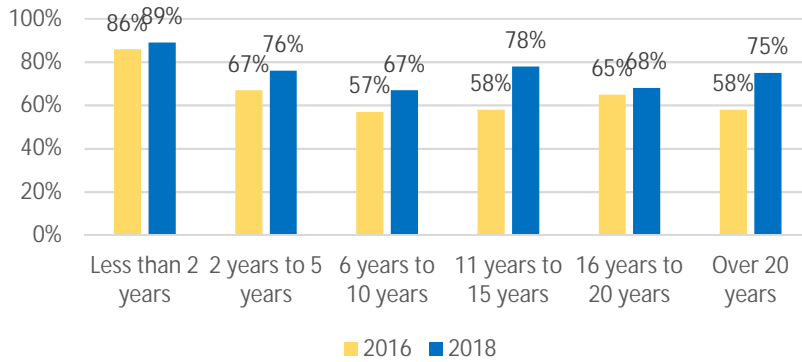
1. In 2016, employees born in 1981 to 1997 – the Millennial age group – rated the District significantly better than employees who were born between 1946-1964 or 1965-1980. In 2018, the ratings from employees born between 1946-1964 and 1965-1980 have increased 12% and 13%, respectively. Within the Millennial group, 83% rated the District as a great place to work in 2018. This percentage has held steady over the past two years.

Taking everything into account, I would say this is a great place to work (age)



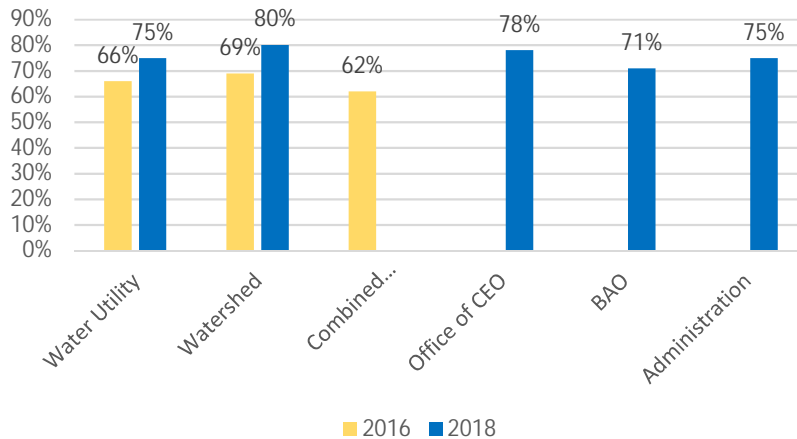
2. New employees (2 years or less) rated the District quite favorably in 2016 at 86%. This year, that percentage is up to 89%. Employees who have been at the District for 6 to 10 years gave the lowest ratings in both 2016 and 2018, although in 2018, it has increased from 57% to 67%.

Taking everything into account, I would say this is a great place to work (tenure)



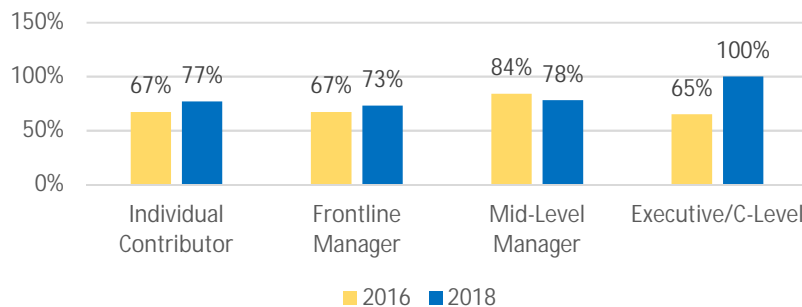
3. In 2018, the business area of the organization that rated the District most favorably was the Watershed group at 80%. Watersheds also achieved the highest satisfaction rating in 2016 when it came in at 69%. Individualized data from the Office of the CEO, BAO, and Administration was unavailable in 2016. Instead, the 3 business areas were combined into a single group, 62% of which rated the District as a Great Place to Work.

Taking everything into account, I would say this is a great place to work (business area)



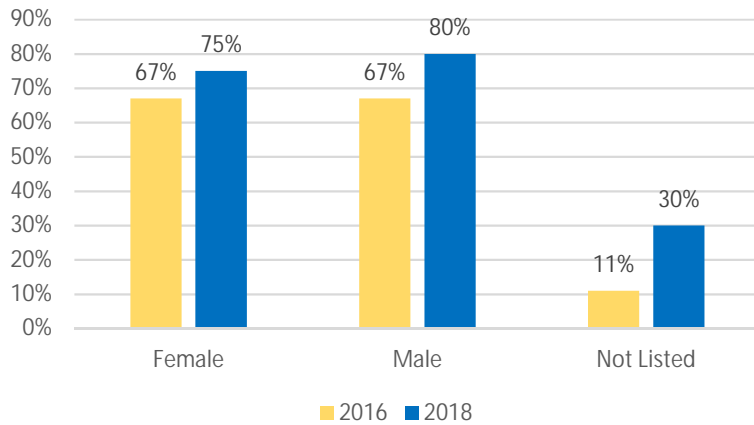
4. At the managerial level in 2018, the Leadership Team were 100% in agreement that the District is a great place to work. MLT followed at 78% and individual contributors came in at 77%. The managerial level that ranked the District lowest was frontline supervisors at 73%. MLT's scores have dropped this year from 84% to 78%.

Taking everything into account, I would say this is a great place to work (job level)



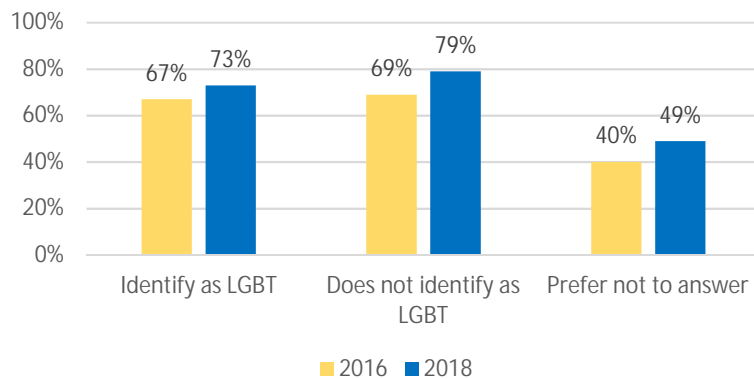
5. In 2016, there were no significantly noticeable differences between how men and women perceived the District. Both thought the District was a great place to work at 67%. In 2018, while the percentage of men and women who consider the District a great place to work have both gone up – women at 75% and men at 80% – there is now a pronounced difference between how men and women rate the District. As was the case in 2016, staff who selected the third option (in 2016 “other”, in 2018 “not listed”), rated the District very low.

Taking everything into account, I would say this is a great place to work (sex)



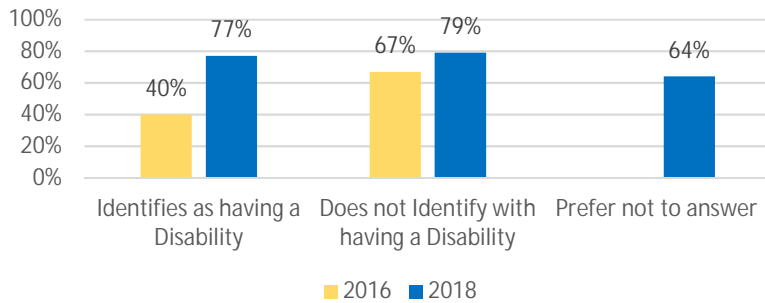
6. While the overall satisfaction of LGBT employees has increased in the past two years – 67% in 2016 to 73% in 2018 – there is a significant difference in the experience of LGBT v. non-LGBT employees. LGBT employees rate the District lower by 6 percent. Again, employees who chose not to respond to this demographic question rated the District poorly – in 2016 40%, and in 2018 49%.

Taking everything into account, I would say this is a great place to work (LGBT)



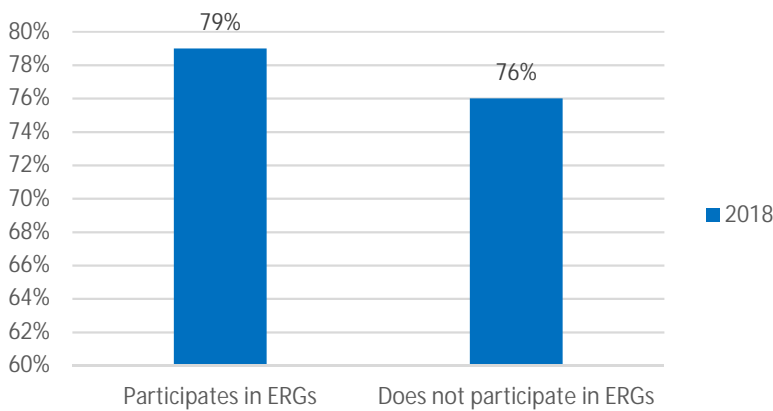
7. One of the biggest areas of change was how employees with disabilities feel about the District. In 2016, only 40% of employees with disabilities said the District was a great place to work. In 2018, 77% of employees with disabilities think it's a great place to work. As is the case throughout the survey, if employees prefer not to answer a demographic, they often rate the District lower. "Prefer not to answer" was not an option in the 2016 survey.

Taking everything into account, I would say this is a great place to work (disability)



8. In 2018, the District added a new demographic to the survey which asked employees to identify whether they are members of an Employee Resource Group. Employees who were in an Employee Resource Group were more likely to think the District is a great place to work by three percentage points. The survey also revealed that nearly 45% of employees at the District participate in Employee Resource Groups.

Taking everything into account, I would say this is a great place to work (ERGs)



More in-depth analysis can be found in the attached Excel spreadsheet and further data cuts can be extrapolated through the Great Place to work portal. Also, included in the portal are the open-ended comments from employees, which can also be sorted by demographic.

The Committee took no action.

If you are interested in attending Diversity and Inclusion Ad Hoc Committee meetings, please contact Glenna Brambill at gbrambill@valleywater.org or 1-408-630-2408.

File No.: 19-0191

Agenda Date: 4/15/2019

Item No.: 5.1.

COMMITTEE AGENDA MEMORANDUM

Environmental and Water Resources Committee

SUBJECT:

Review and Comment to the Board on the Fiscal Year 2019-20 Proposed Groundwater Production Charges.

RECOMMENDATION:

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 2019-20.

SUMMARY:

Staff proposes a 6.6% increase in the North County (Zone W-2) Municipal and Industrial groundwater production charge from \$1,289/AF to \$1,374/AF. The proposal equates to a monthly bill increase for the average household of \$2.93 or about 10 cents a day.

In the South County (Zone W-5), staff proposes a 6.9% increase in the M&I groundwater production charge from \$450/AF to \$481/AF. The proposal equates to a monthly bill increase for the average household of \$1.07 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 recommended 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. The Anderson Dam Seismic Retrofit is a \$563 million project that will help ensure public safety and bolster future water supply reliability. Additionally, the \$295 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 \$121 million is planned to be spent over the next 10 years 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. Valley Water continues to move forward to forge its first public-private partnership (P3) on a \$650 million investment for recycled and purified water expansion that would bring up to 24,000 AF of new water supply to the county each year. Lastly, the Pacheco Reservoir Expansion project, estimated to cost a little more than \$1.3 billion, would provide 80,000 acre-feet of additional water storage capacity.

The Board is seeking input with regard to staff's groundwater production charge

recommendation for FY 2019-20.

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.”

ATTACHMENTS:

Attachment 1: PowerPoint Presentation

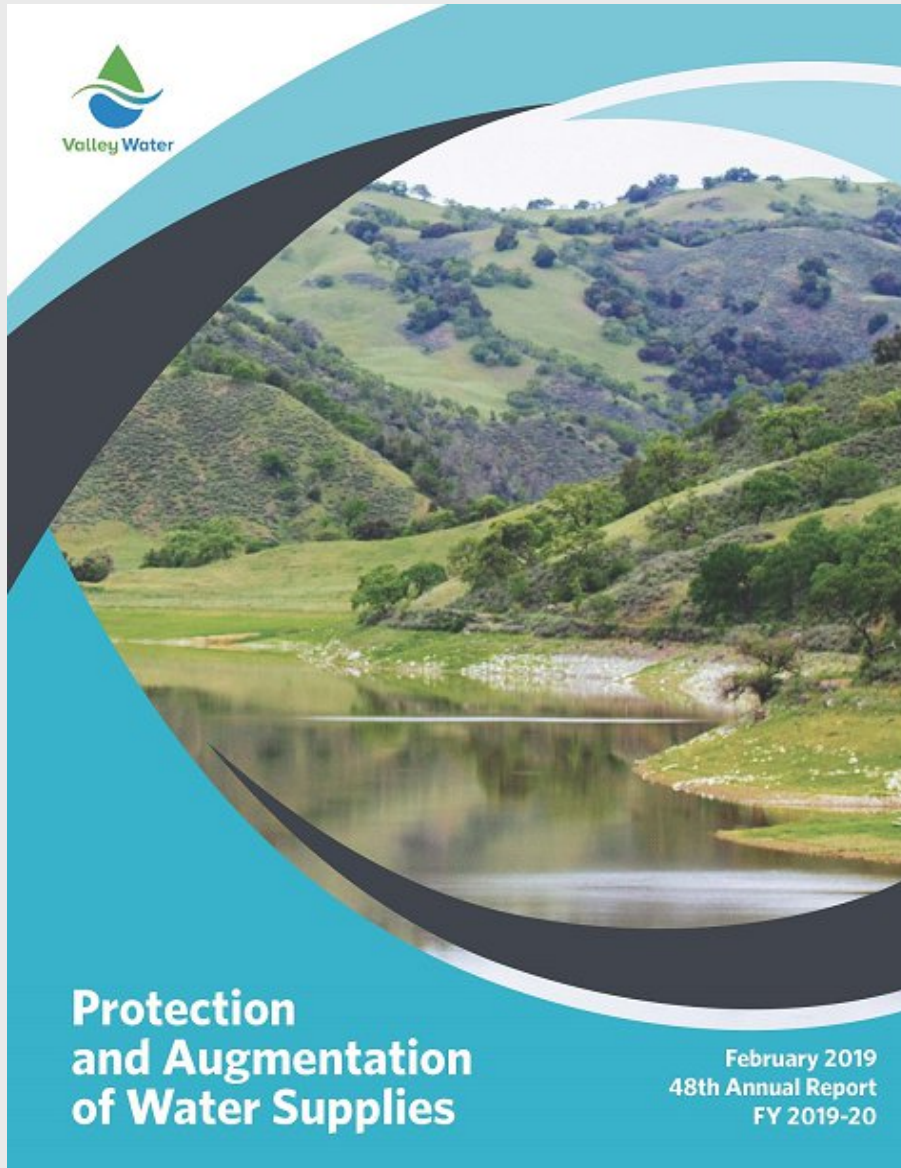
UNCLASSIFIED MANAGER:

Darin Taylor, 408-630-3068

FY 20 Water Charge Recommendations

Environmental & Water Resources Committee Meeting
April 15, 2019





2019 Protection and Augmentation of Water Supplies Report

A comprehensive, flexible water system serves 1.9 million people

10 Reservoirs

393 acres of recharge ponds

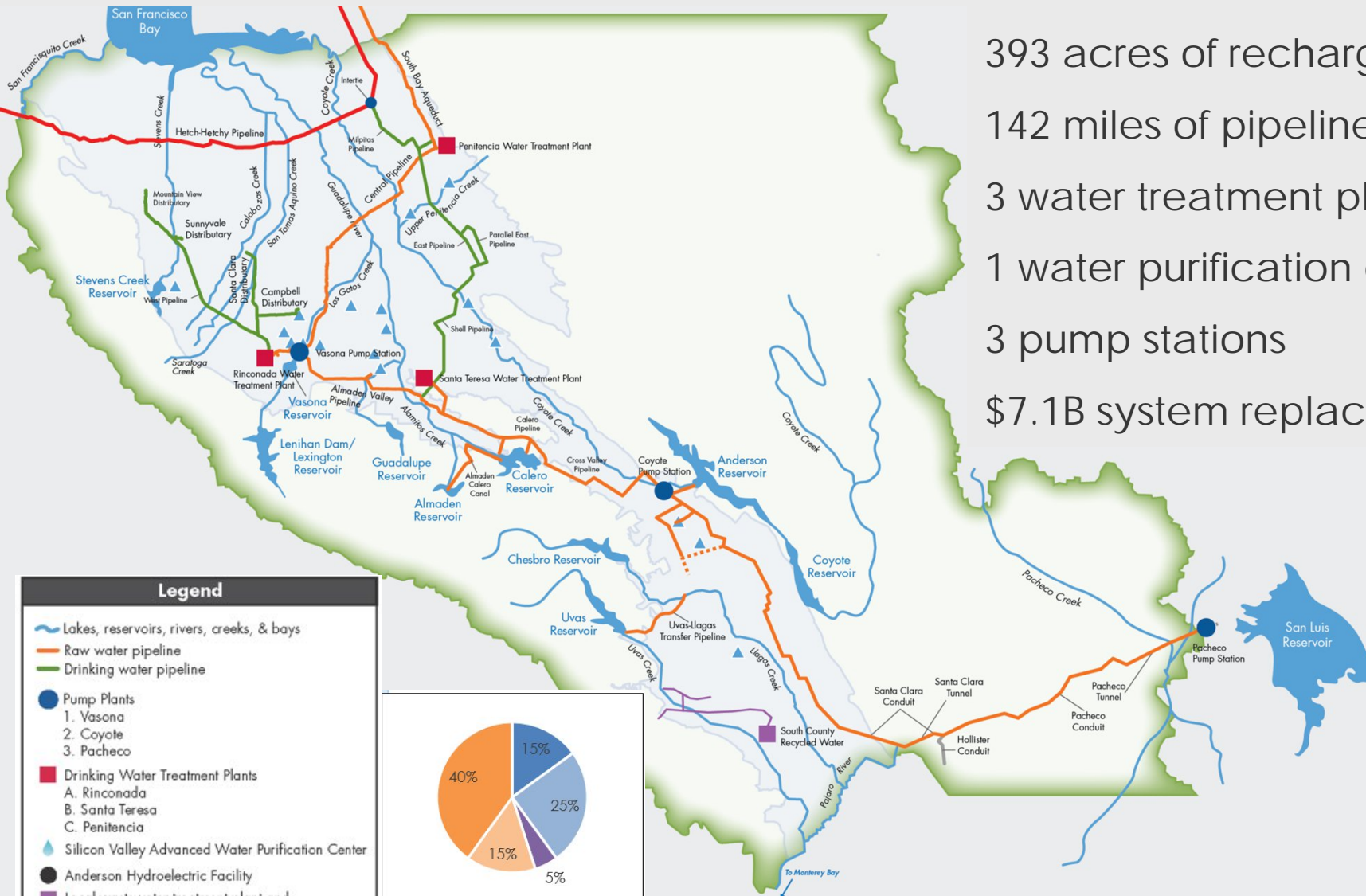
142 miles of pipelines

3 water treatment plants

1 water purification center

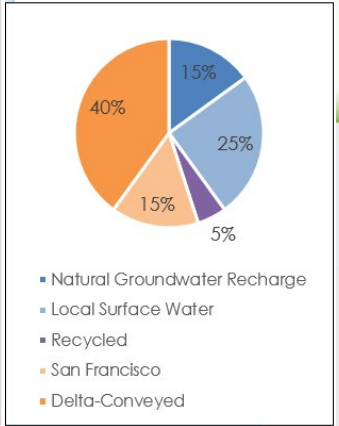
3 pump stations

\$7.1B system replacement value



Legend

- Lakes, reservoirs, rivers, creeks, & bays
- Raw water pipeline
- Drinking water pipeline
- Pump Plants
 1. Vasona
 2. Coyote
 3. Pacheco
- Drinking Water Treatment Plants
 - A. Rinconada
 - B. Santa Teresa
 - C. Penitencia
- ▲ Silicon Valley Advanced Water Purification Center
- Anderson Hydroelectric Facility
- Local wastewater treatment plant and recycled water provider
 - a. Palo Alto
 - b. Sunnyvale
 - c. San Jose-Santa Clara
 - d. South County
- ▲ Recharge Ponds



FY 20 Key Assumptions for 10-year groundwater charge projection

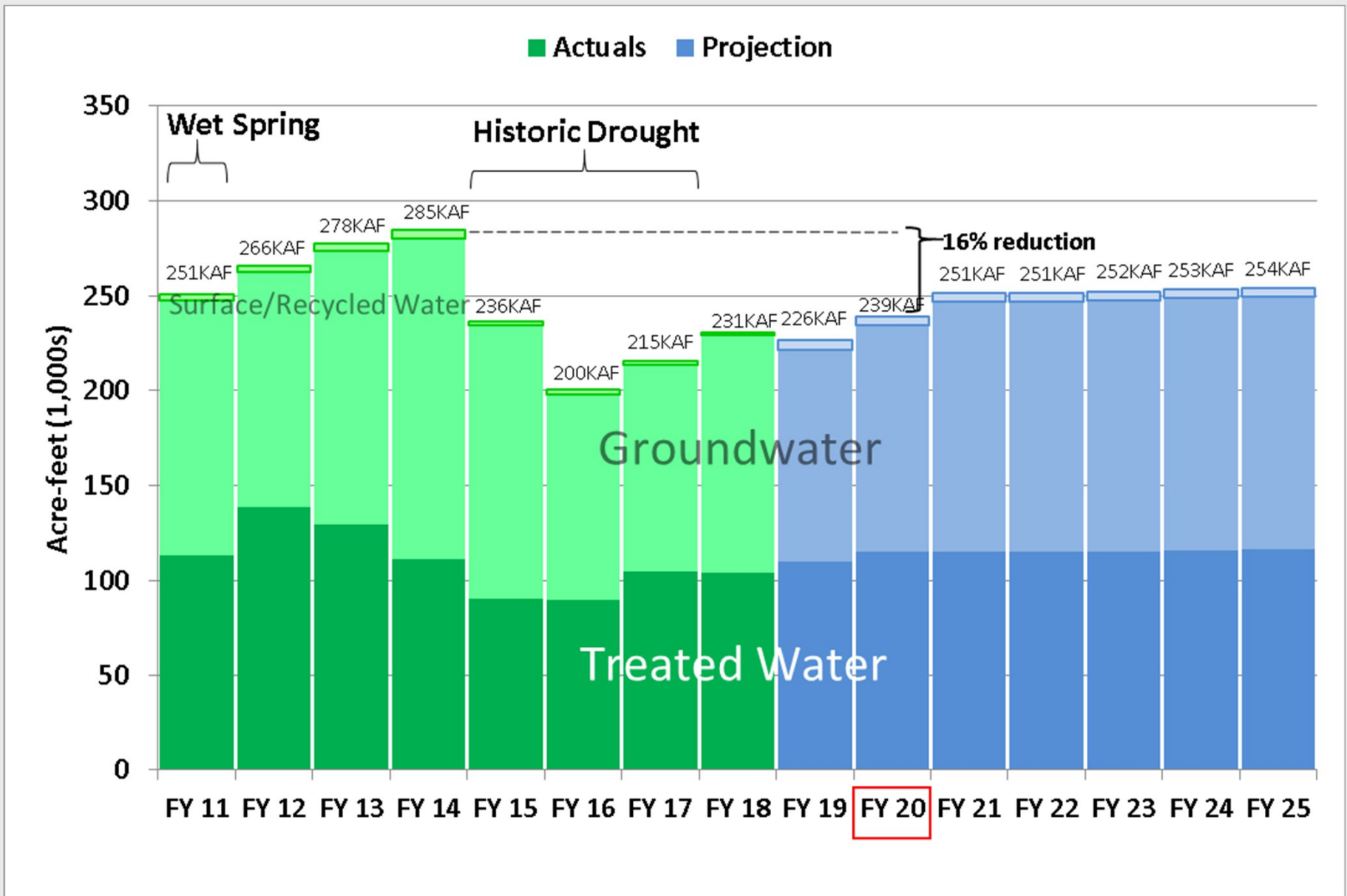
Investments would help achieve water supply reliability Level of Service goal of 80% of average annual water demand in drought years

- Board reviewed 9 investment scenarios

Investments include:

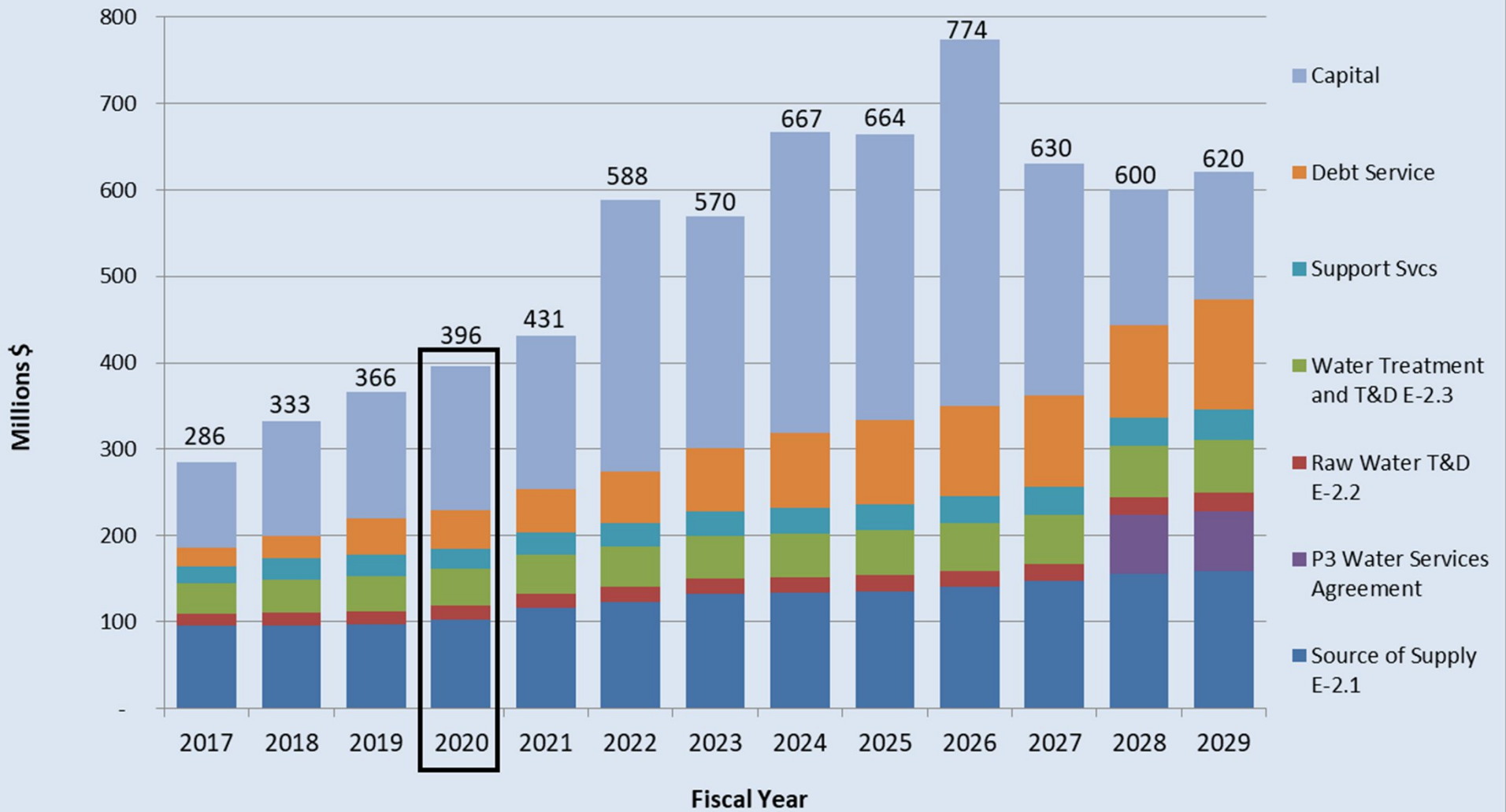
- Anderson, Calero, Guadalupe, Almaden Dam Seismic Retrofits/Improvements
- Rinconada Water Treatment Plant Reliability Improvement
- Potable Reuse Phase 1 to produce 24KAF by FY 28 (vs FY 25)
- Long Term Purified Water Program (Phase 2) to produce 20KAF pushed out beyond 10-year rate projection horizon
- Pacheco Reservoir Expansion Project assuming \$250M WIIN funding + WIFIA loan, & Partner Agencies pay 20% of project
- California WaterFix (state side)
- California WaterFix (federal side) pushed out beyond 10-year rate projection horizon
- Transfer Bethany Pipeline

District Managed Water Usage drives revenue projection



Note: FY 20 refers to fiscal year 2019-20

Cost Projection



Key Capital Project Funding for FY 20 through FY 29



Dam Seismic Retrofits/Improvements
\$708 Million
(\$875 Million Total Cost)



Expedited Purified Water Program
\$650 Million
(via P3 Delivery Method)

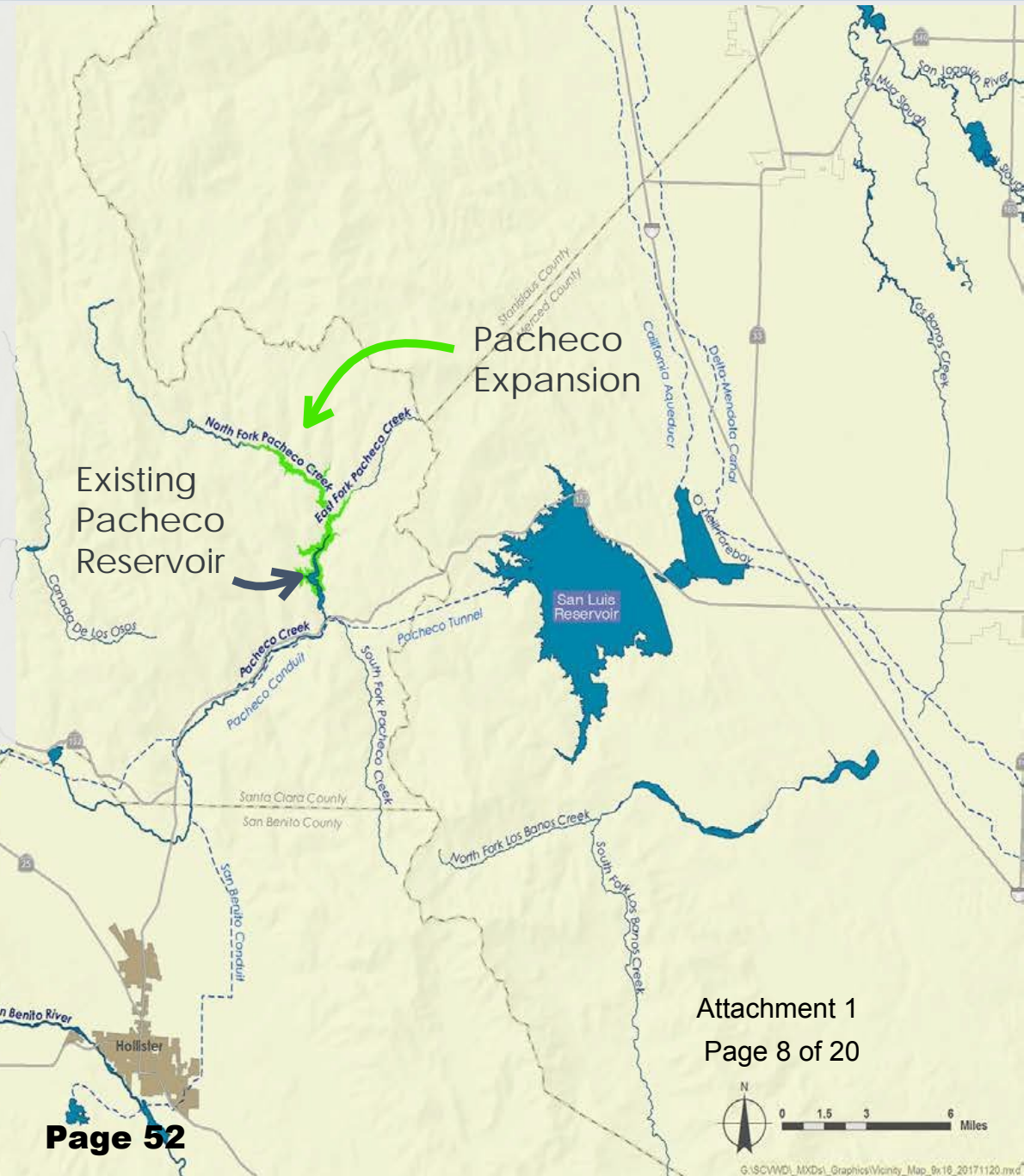


RWTP Reliability Improvements
\$98 Million
(\$295 Million Total Cost)

New Capital Investments for FY 20 through FY 29 – Pacheco Reservoir

Funding strategy for \$1.345B Project:

- ▶ Received \$485M WSIP Prop 1 funding
 - ▶ Including \$24.2M early funding
- ▶ Pursuing \$250M federal funding under WIIN Act
- ▶ Contemplating WIFIA loan
- ▶ SBCWD will partner up to 10%
- ▶ Other agencies may partner
- ▶ Considering Special Tax Measure
- ▶ Water Charges



Attachment 1
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Validated, Unfunded Water Supply Projects

Validated, Unfunded Water Supply Projects	Est. Cost (\$ Million)
Dam Seismic Retrofit at Chesbro & Uvas	\$90 M
Long-Term Purified Water Program Elements	\$104 M
Long-Term SCADA Improvements	\$20 M
So. County Recycled Water New Storage Tank	\$7 M
Alamitos Diversion Dam Improvements	\$3 M
Coyote Diversion Dam Improvements	\$2 M
Land Rights - South County Recycled Water Pipeline	\$6 M
TOTAL	\$232 M

FY 2020: North County Proposed Maximum Charges

6.6% increase for M&I groundwater production

6.1% increase for contract treated water

6.5% increase for M&I surface water

Ag groundwater reflects max per District Act (25% of South County M&I while Board deliberates Open Space Credit Policy)

Staff recommendation as of 4/8/19

	Dollars Per Acre Foot		
	FY 2017-18	FY 2018-19	Proposed Maximum FY 2019-20
Zone W-2 (North County)			
Basic User/ Groundwater Production Charge			
Municipal & Industrial	1,175.00	1,289.00	1,374.00
Agricultural	25.09	27.02	120.25
Surface Water Charge			
Surface Water Master Charge	33.36	35.93	37.50
Total Surface Water, Municipal & Industrial*	1,208.36	1,324.93	1,411.50
Total Surface Water, Agricultural*	58.45	62.94	157.75
Treated Water Charges			
Contract Surcharge	100.00	100.00	100.00
Total Treated Water Contract Charge**	1,275.00	1,389.00	1,474.00
Non-Contract Surcharge	50.00	50.00	50.00
Total Treated Water Non-Contract Charge***	1,225.00	1,339.00	1,424.00

32.23

69.73

* Note: The total surface water charge is the sum of the basic user charge (which equals the groundwater production charge) plus the water master charge
 ** Note: The total treated water contract charge is the sum of the basic user charge (which equals the groundwater production charge) plus the contract surcharge
 *** Note: The total treated water non-contract charge is the sum of the basic user charge (which equals the groundwater production charge) plus the non-contract surcharge

\$2.93 per month average household increase

FY 2020: South County Proposed Maximum Charges

6.9% increase for M&I groundwater production

6.7% increase for M&I surface water

7.2% increase for M&I recycled water

Ag groundwater reflects max per District Act (25% of South County M&I while Board deliberates Open Space Credit Policy)

Staff recommendation as of 4/8/19

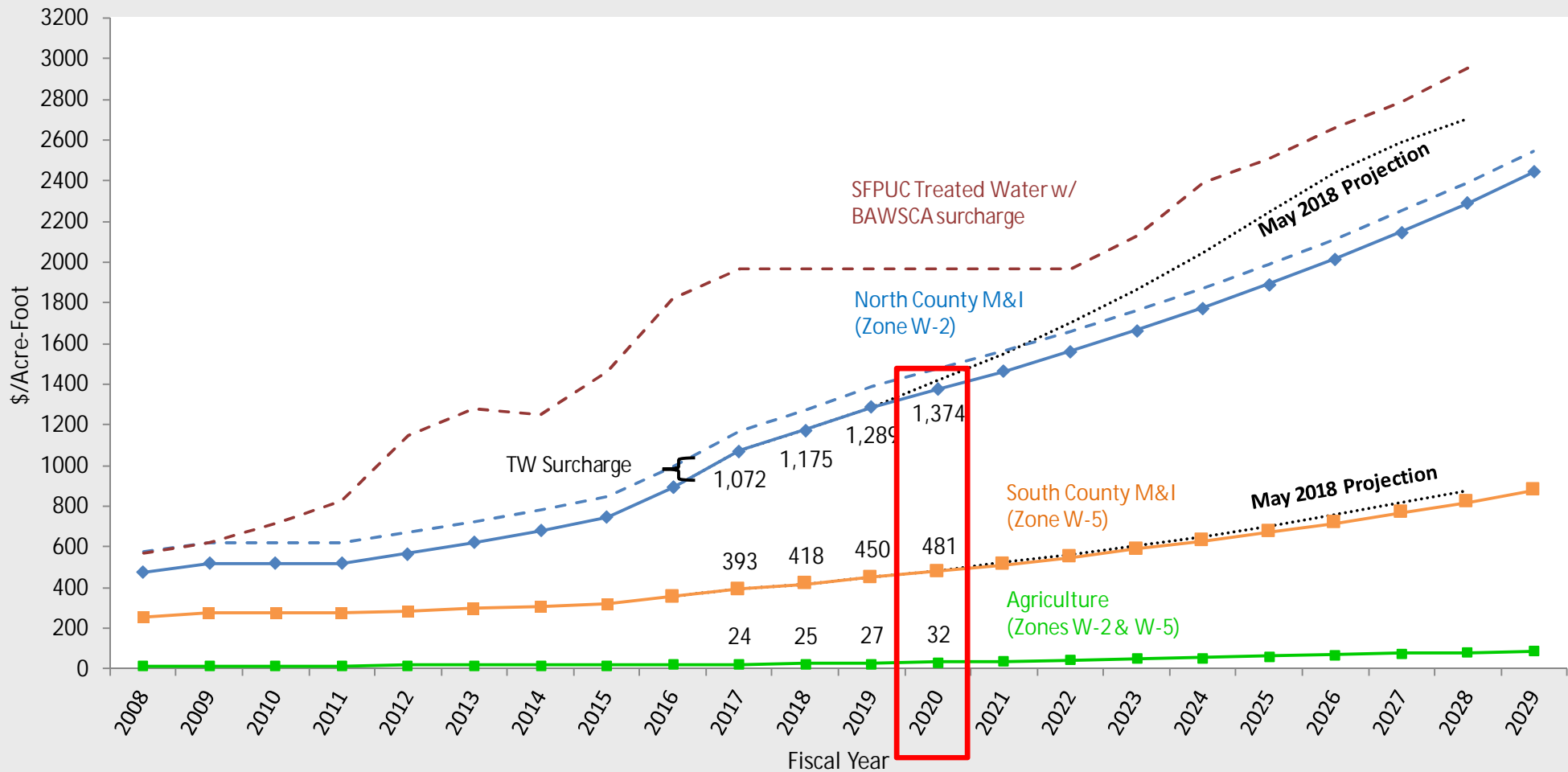
	Dollars Per Acre Foot			
	FY 2017-18	FY 2018-19	Proposed Maximum FY 2019-20	
Zone W-5 (South County)				
Basic User/ Groundwater Production Charge				
Municipal & Industrial	418.00	450.00	481.00	
Agricultural	25.09	27.02	120.25	32.23
Surface Water Charge				
Surface Water Master Charge	33.36	35.93	37.50	
Total Surface Water, Municipal & Industrial*	451.36	485.93	518.50	
Total Surface Water, Agricultural*	58.45	62.94	157.75	69.73
Recycled Water Charges				
Municipal & Industrial	398.00	430.00	461.00	
Agricultural	48.88	54.41	147.64	59.62
* Note: The total surface water charge is the sum of the basic user charge (which equals the groundwater production charge) plus the water master charge				
** Note: The total treated water contract charge is the sum of the basic user charge (which equals the groundwater production charge) plus the contract surcharge				
*** Note: The total treated water non-contract charge is the sum of the basic user charge (which equals the groundwater production charge) plus the non-contract surcharge				

\$1.07 per month average household increase

Groundwater Production Charge Projection

Water Utility Enterprise Fund

M&I Groundwater Charge Projection



Note: This projection does not account for impacts associated with the Bay Delta Water Quality Control Plan

Groundwater Production Charge Projection

North County M&I Groundwater Charge Y-Y Growth %

	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
May 2018	9.7%	9.7%	9.7%	9.7%	9.7%	9.7%	8.7%	5.9%	4.7%	
April 2019	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%	6.6%

South County M&I Groundwater Charge Y-Y Growth %

	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
May 2018	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	7.7%	
April 2019	6.9%	6.9%	6.9%	6.9%	6.9%	6.9%	6.9%	6.9%	6.9%	6.9%

Groundwater Production Charge Projection

North County Increase per Month per Avg Household*

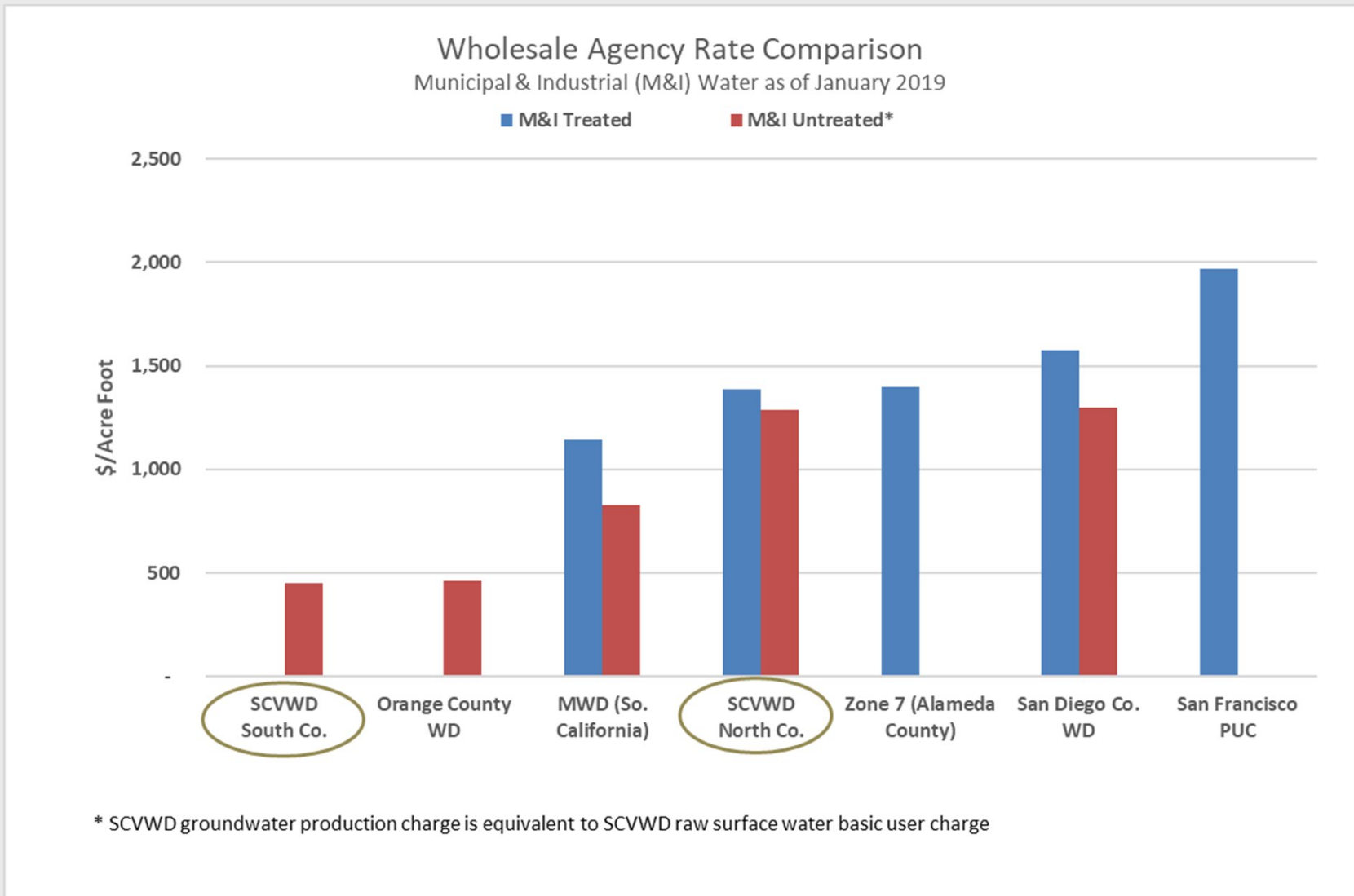
	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
May 2018	\$4.31	\$4.72	\$5.18	\$5.68	\$6.24	\$6.84	\$6.73	\$4.96	\$4.19	
April 2019	\$2.93	\$3.12	\$3.33	\$3.55	\$3.78	\$4.03	\$4.30	\$4.58	\$4.89	\$5.21

South County Increase per Month per Avg Household*

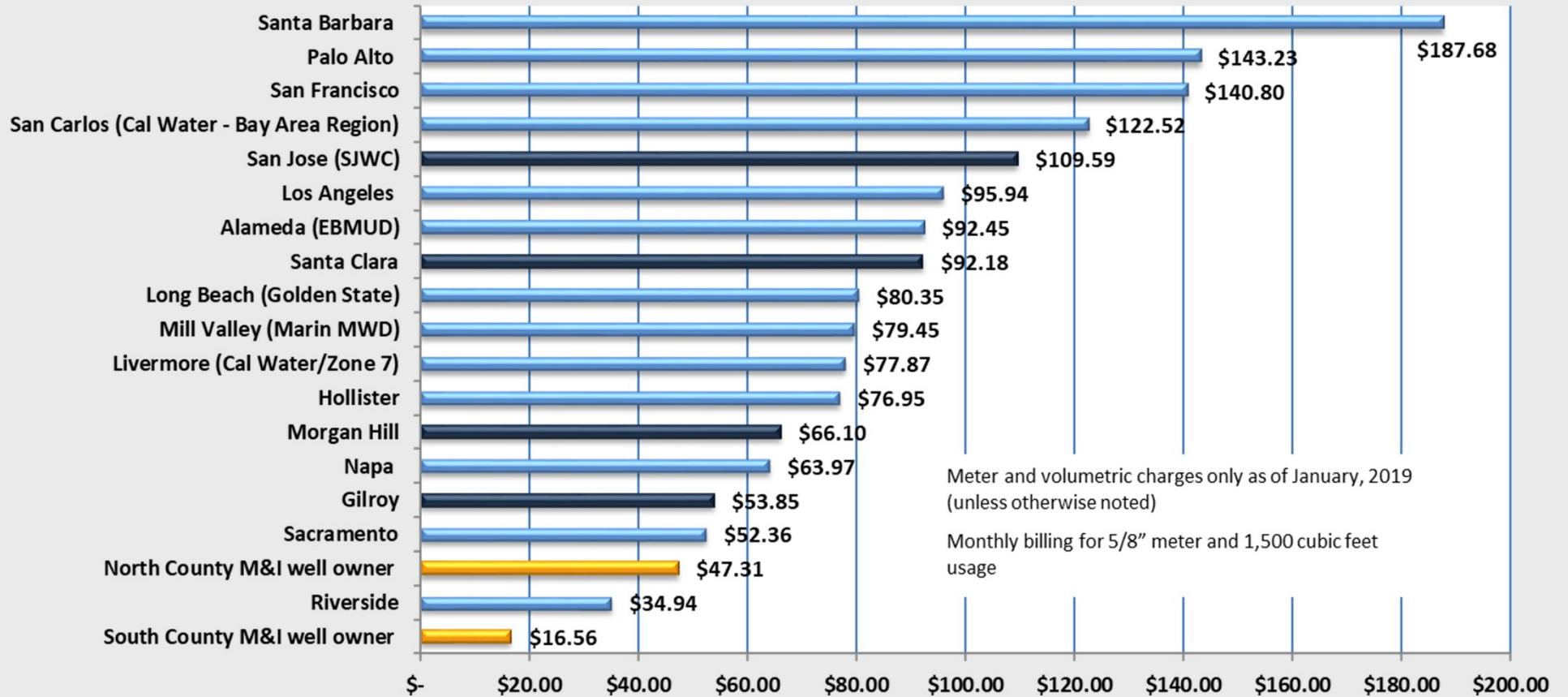
	FY 20	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29
May 2018	\$1.19	\$1.29	\$1.38	\$1.49	\$1.61	\$1.73	\$1.86	\$2.01	\$2.16	
April 2019	\$1.07	\$1.14	\$1.22	\$1.31	\$1.40	\$1.49	\$1.60	\$1.71	\$1.82	\$1.95

* Calculated based on groundwater production charge (assumes 1,500 cubic feet of water usage per month)

Wholesale Agency Rate Comparison



Retail Agency Benchmarks



Notes:

- SCVWD retailer rates shown include staff recommended increase for FY 2019-20, but do not include increases that retailers may impose
- Well owner rates exclude pumping costs (e.g. electricity) and well maintenance costs

State Water Project Tax Recommendation

- ▶ Staff recommends keeping the SWP tax flat at \$18M
- ▶ The SWP tax bill for the average single family residence would remain at \$27.00/year.

Impact if SWP tax not approved:

- \$92/AF in terms of North County M&I groundwater production charge
- \$19/AF in terms of South County M&I groundwater production charge
- \$523,000 in terms of Open space credit

LIMITED (PRIMARY) VALUES				PRIMARY	COMPARATIVE 2003 AMT	2004 DISTRIBUTION		OFFICE USE ONLY
TYPE	LIMITED	%	ASSESSED			RATE / 100	2004 AMT DUE	
LAND/BLDG PERSONAL EXEMPTION	76000	10.0	7600	COUNTY EDUC. EQUAL	86.57	12108	92.02	PRTKEY=MORT& SEQ# MTG# LOAN#
				CITY SCHOOL	33.73	04560	34.66	
				CO. EDUC	339.44	44896	339.70	
				COMM. COL	67.28	9211	70.00	
PRIM. TOT.	76000		7600	STATE AID	-117.58	CREDIT	-117.14	FIRST HALF TAX AMOUNT
					408.44	70575	419.24	316.58
AREA CODE 041003				SECONDARY				
FULL CASH (SECONDARY) VALUES								
TYPE	FULL CASH	%	ASSESSED	FLOOD DAMAGE OVERRIDES	16.10	2118	16.10	DUE OCT. 1, 2004
LAND/BLDG PERSONAL EXEMPTION	76000	10.0	7600	FIRE DIST. ASST.	9.12	1200	9.12	DELINQUENT AFTER NOV. 1, 2004
				LIBRARY	78.16	8571	72.74	SECOND HALF TAX AMOUNT
				BONDS	.84	0069	.82	316.58
				- COUNTY	3.96	0521	3.96	DUE MARCH 1, 2005
				- CITY	5.32	12477	5.32	DELINQUENT AFTER MAY 2, 2005
				- SCHOOLS	104.59	1161	84.82	INTEREST ON LATE PAYMENT IS 16% PER YEAR PRORATED MONTHLY AS OF THE FIRST DAY OF THE MONTH. ARS § 42-19053
				- COMM COL	10.45	27118	8.82	
SEC. TOT.	76000		7600	SUBTOTAL	228.24	1032	7.84	KEEP THIS PORTION FOR YOUR RECORDS
SPECIAL DISTRICT (VALUE/ACRES/50 FT) = ASSESSED				DIST #				
HOSPITAL DISTRICT NO 1				7600	10548			
EAST VALLEY INSTITUTE TECH				7600	30001			
					7.42			
					645.10	TOTALS	633.16	

FY 2019-2020 Schedule

- ✓ Jan 8 Board Meeting: Preliminary Groundwater Charge Analysis
- ✓ Jan 16 Water Retailers Meeting: Preliminary Groundwater Charge Analysis
- ✓ Jan 23 Water Commission Meeting: Prelim Groundwater Charge Analysis

- ✓ Feb 12 Board Meeting: Review draft CIP & Budget development update
- ✓ Feb 22 Mail notice of public hearing and file PAWS report

- ✓ Mar 20 Water Retailers Meeting: FY 20 Groundwater Charge Recommendation
- ✓ Mar 26 Board Meeting: Budget development update

- ✓ Apr 2 Landscape Committee Meeting
- ✓ Apr 8 Ag Water Advisory Committee
- ✓ Apr 9 Open Public Hearing
- ✓ Apr 10 Water Commission Meeting
- ✓ Apr 11 Continue Public Hearing in South County
- Apr 15 Environmental and Water Resources Committee
- Apr 23 Conclude Public Hearing
- Apr 24-26 Board Meeting: Budget work study session

- May 14 Adopt budget & groundwater production and other water charges

Summary and Next Steps

Summary

- Groundwater Production Charge projection driven by water supply reliability investments, and infrastructure repair & replacement.
- Proposed FY 20 Groundwater Production Charge increase equates to an increase of \$2.93 per month in North County and \$1.07 per month in South County to average household

Next Steps

- Conclude Public Hearing on April 23

Questions?

File No.: 19-0261

Agenda Date: 4/15/2019
Item No.: 5.2.

COMMITTEE AGENDA MEMORANDUM

Environmental and Water Resources Committee

SUBJECT:

Update on Open Space Credit.

RECOMMENDATION:

Discuss and consider the attached Open Space Credit policy analysis and provide comment to the Board on policy implementation, as necessary.

SUMMARY:

The purpose of this item is to obtain Environmental and Water Resources Committee comments and input on the Board's Open Space Credit Policy, specifically a staff proposal to implement an Agricultural Charge Adjustment for Williamson Act and Conservation Easement Properties.

At its January 8, 2019 meeting, the Board requested that staff obtain feedback from various advisory committees on the proposed agricultural groundwater production charge (Ag charge) adjustment for Williamson Act and conservation easement properties. In summary, staff received the following feedback:

- Agricultural Advisory Committee - Opposed increases in the Ag charge for any farmer whether large or small.
- Water Commission - Took no action; however, one member raised the following question: If Ag charges are increased, could Open Space Credit savings be used for conservation easement purchases?
- Water Retailers - Supported increasing the Ag charge citing that a low Ag charge doesn't send the proper conservation signal.
- Environmental and Water Resources Committee - Recommended keeping Ag charges as low as possible, and equitable among larger and smaller farmers.
- Joint Water Resources Committee - Unable to obtain feedback within the timeframe.

The summary feedback from the advisory committees is included in Attachment 1, which will be presented to the Board at the public hearing on water charges on April 11, 2019. Attachment 1 also includes information on certain crop production including cannabis, crops grown in fixed structures as opposed to open space, and certain permanent fruit and nut crops.

Background

The Board has historically recognized that agriculture brings value to Santa Clara County in the form

of open space and local produce. In an effort to help preserve this value, the District Act limits the Ag charge to be no more than 25% of the municipal and industrial (M&I) charge. In 1999, to further its support for agricultural lands, a policy was put into place further limiting the agricultural groundwater production charge to no more than 10% of the M&I charge. The agricultural community currently benefits from low groundwater charges that are 2% of M&I charges in North County and 6% of M&I charges in South County. According to Section 26.1 of the District Act, agricultural water is “water primarily used in the commercial production of agricultural crops or livestock.”

The credit to agricultural water users has become known as an “Open Space Credit.” It is paid for by fungible, non-rate related revenue. To offset lost revenue that results from the difference between the adopted Ag charge and the Ag charge that would have resulted at the full cost of service, the District redirects a portion of the 1% ad valorem property taxes generated in the Water Utility, General, and Watershed Stream Stewardship Funds. The South County Open Space Credit is currently estimated to be \$8.0 million in FY 2018-19 and projected to continually increase in the years that follow.

Since 2013, the Board has continued the past practice of setting the Ag charge at 6.0% of the South County M&I charge. On September 18, 2017, in response to the President’s Day Flood event, the Board’s Capital Improvement Program Committee analyzed scenarios to decrease the Open Space Credit and therefore provide more funding for flood protection projects. Accordingly, alternatives were prepared to reduce the Open Space Credit by increasing the Ag charge to 10% or 25% of the M&I charge over a multi-year timeframe. For FY 2018-19, staff recommended increasing the Ag charge to 6.8% of the M&I charge. On May 8, 2018, the Board chose to continue the past practice of setting the Ag charge at 6.0% of the South County M&I charge for FY 2018-19.

Background on the Williamson Act and Conservation Easement Classification

The Williamson Act enables local governments to enter into contracts with private landowners for the purpose of restricting specific parcels of land to agricultural or related open space use. Under these voluntary contracts, landowners gain substantially reduced property tax assessments. A land owner whose property is devoted to agricultural use and is within an agricultural preserve may file an application for a Williamson Act contract with the County. Per the Santa Clara County of Ordinances section C13-12, to be eligible for a Williamson Act contract:

1. The property proposed for inclusion in the contract is at least ten acres in size in the case of prime agricultural land, and 40 acres in size in the case of nonprime agricultural land;
2. All parcels proposed for inclusion in the contract are devoted to agricultural use; and
3. There are no existing or permitted uses or development on the land that would significantly displace or interfere with the agricultural use of the land.

Even if all of the criteria are met, the County Board of Supervisors may, in its discretion, choose not to approve the application.

Conservation easement is a power invested in a qualified organization or government to constrain, as to a specified land area, the exercise of rights otherwise held by a landowner so as to achieve certain conservation purposes. For example, a land owner whose property constitutes open-space land as

defined in Government Code §§ 51075(a) and 65560 may file an application for an agreement with the County.

Per the Santa Clara County of Ordinances section C13-36, to be eligible for an Open Space Easement Agreement with the County:

1. The land proposed for inclusion in the agreement is at least 20 acres in size;
2. All parcels proposed for inclusion in the agreement are devoted to open-space;
3. There are no other existing or permitted uses or development on the land that would significantly impair the open-space value of the land; and
4. The Board of Supervisors makes the required findings in Government Code § 51084.

Even if all of the criteria in are met, the Board of Supervisors may, in its discretion, choose not to approve the application.

There are also three open space authorities that have jurisdiction to enter into conservation easements in Santa Clara County.

There are 174 Williamson Act parcels and 10 conservation easement parcels in the combined Zone W-2 and Zone W-5. The parcels comprise roughly 33% of total agricultural water use on average.

Consideration of an Agricultural Water Charge Adjustment

An agricultural water charge adjustment could be predicated on Williamson Act or conservation easement participation and paid for by the Open Space Credit. Staff recommends implementing an adjustment such that if the District were to increase the Ag charge to something greater than 6% of the M&I charge, then an adjustment would be applied to all Williamson Act and conservation easement properties, that would result in a net Ag charge of 6% of M&I charges for those properties. The Williamson Act or Conservation Easement property classification would be determined by the authorities managing those programs, not the District. There would be no need for an application process, and as such, the incremental costs associated with the adjustment would be negligible. The District currently receives from the County the list of Williamson Act properties and would use properties of record in February and August for the upcoming billing cycle. Staff would obtain the conservation easement property information direct from the open space organizations in parallel during the February and August timeframe. Property status changes occurring after staff data collection would be handled on a case-by-case basis for the potential proration of rates, if applicable. Agricultural wells are predominately charged bi-annually in arears in January and June.

If the District were to increase the Ag charge to 10% of the M&I charge over a 7-year timeframe, and adjust back to 6% of the M&I charge for Williamson Act and conservation easement properties, staff anticipates a cumulative savings to the Open Space Credit of roughly \$2.1 million over that 7-year timeframe. Savings would be \$1.4M if the transition occurred over a 5-year timeframe, and would be \$3.4M if the transition occurred over a 10-year timeframe. The savings could be reduced if additional eligible properties were to change status to be classified as Williamson Act or Conservation

Easement properties. Staff estimates that there are 245 agricultural properties that may qualify, but are not classified as Williamson Act or Conservation Easement properties.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Darin Taylor, 408-630-3068

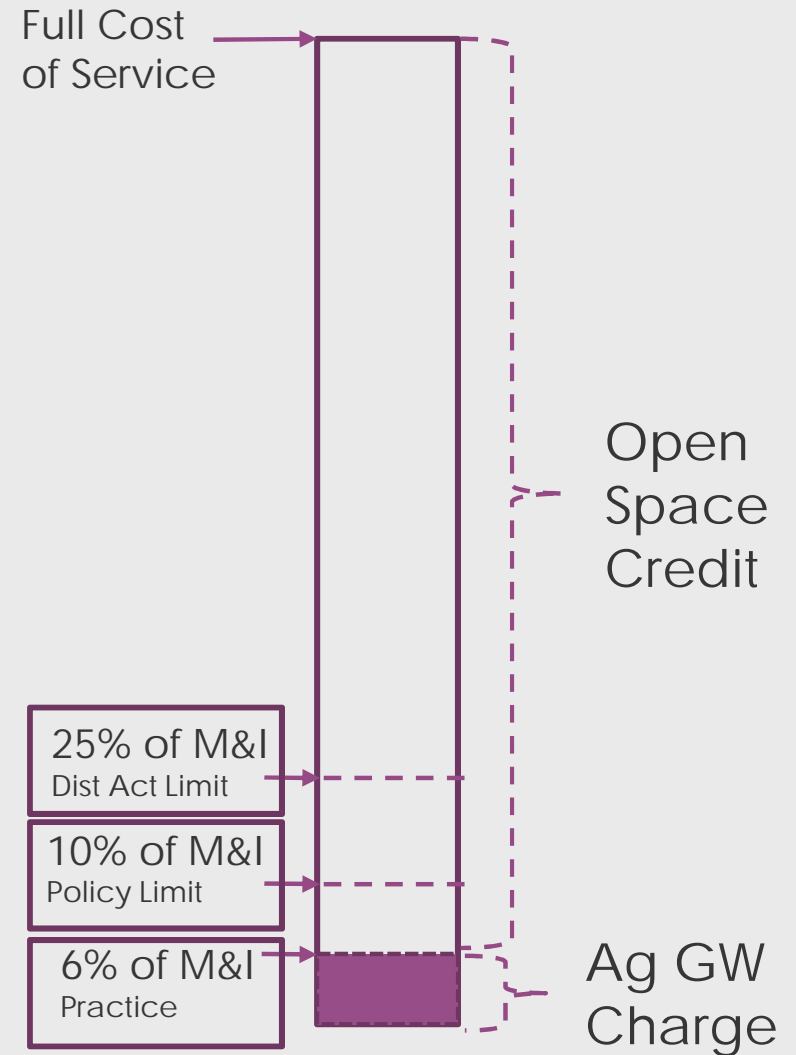
Open Space Credit Policy Discussion-Continuation

April 15, 2019

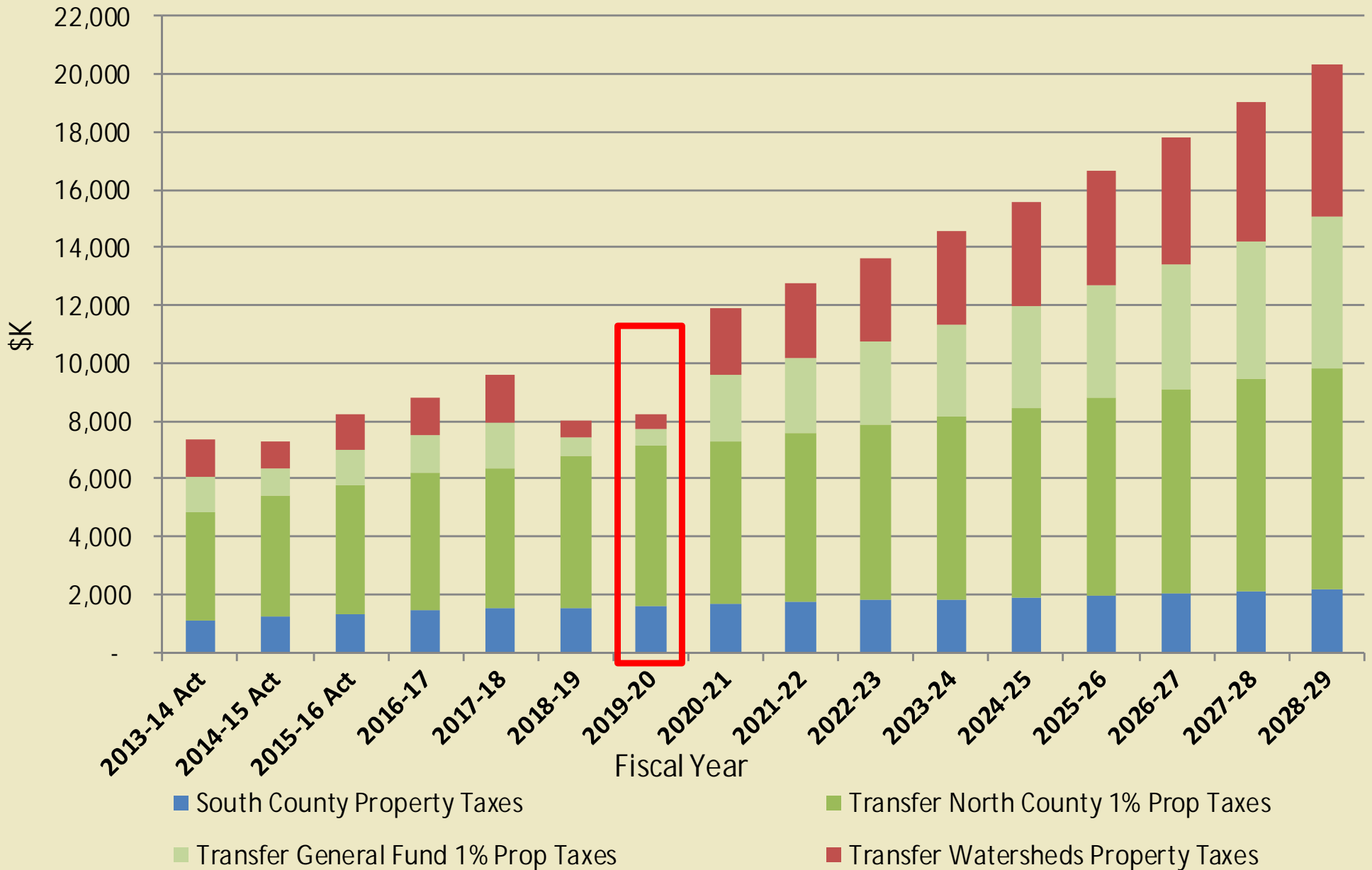


What is the Open Space Credit (OSC)?

- ▶ Formal definition: “The use of non-rate related revenue to offset reduced agricultural revenue as a result of keeping agricultural rates lower than needed to recoup the full cost of service”
- ▶ Applies to agricultural water users only, not to all open space



Open Space Credit: Projection



Background on OSC Policy Discussions

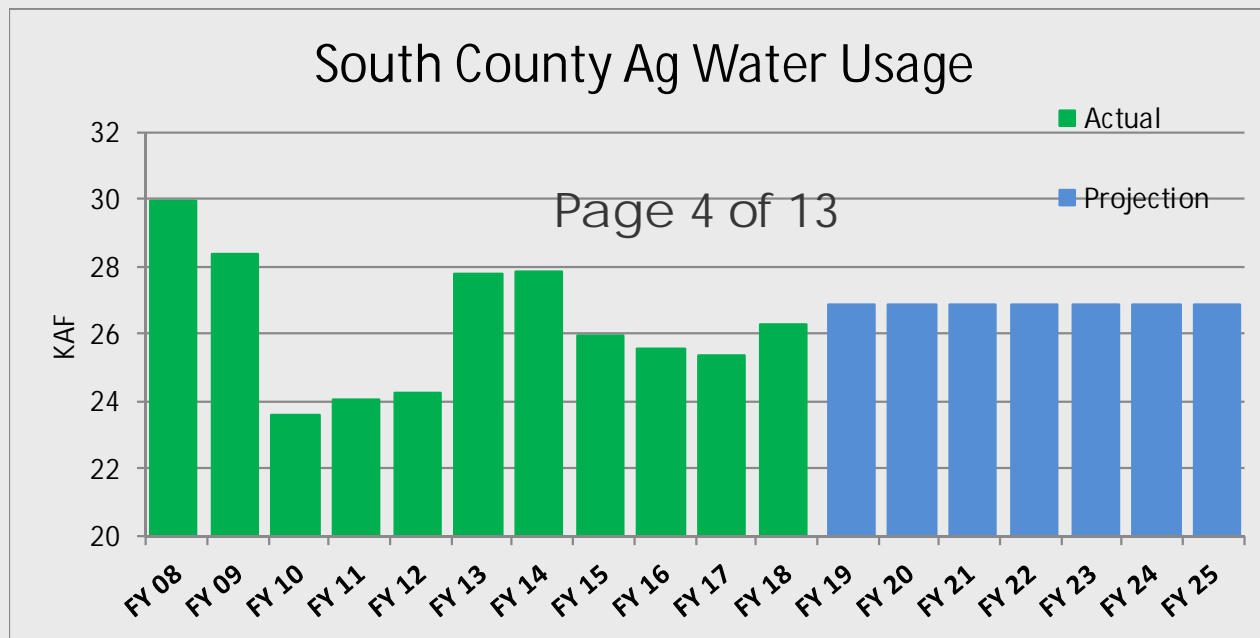
April 2018

▶ Board directs staff to:

1. Analyze ag water usage trend scenarios and potential impact on Open Space Credit projection
2. Research feasibility of a reduced ag charge for Williamson Act participants
3. Seek contributions from local private companies or other governmental agencies to fund Open Space Credit

Agricultural Water Use Projection

- ▶ Santa Clara Farm Bureau confirms that flat ag water use projection for next 5 to 10 years is reasonable
 - ▶ Consistent with current staff projection



- ▶ If ag water use ramps down to 90% of current projection by FY 30, then OSC savings would be \$11M over that timeframe

Williamson Act & Conservation Easements

- ▶ Williamson Act provides tax benefits to property owners who do not develop their land
- ▶ Conservation Easements permanently extinguish development rights

	Williamson Act Parcels	Conservation Easement Parcels	Average % of Total Ag Water Use
North County	3	0	1%
South County	171	10	32%
Total	174	10	33%

Williamson Act & Conservation Easements

- ▶ Ag Charge Adjustment Program Alternative for Consideration
 - ▶ Predicated on Williamson Act or Conservation Easement participation
 - ▶ If: Ag charge increased to >6% of M&I
 - ▶ Then: Adjust back to 6% for Williamson Act and Conservation Easement properties
 - ▶ Staff could implement with minimal effort

Board Requested Outreach

Agricultural Water Advisory Committee

- ▶ Opposed increases in Ag charge for any farmer whether large or small

Water Commission

- ▶ Took no action, however...
- ▶ Question: If Ag charges are increased, could Open Space Credit savings be used for conservation easement purchases?

Water Retailers

- ▶ Supported increasing Ag charge (Low Ag charge doesn't send proper conservation signal)

Environmental and Water Resources Committee

- ▶ Recommended keeping Ag charges as low as possible and equitable among larger and smaller farmers

Joint Water Resources Committee

- ▶ No comments – ran out of time

Other areas of Study

- ▶ Cannabis Cultivation in Santa Clara County
- ▶ Agriculture in Fixed Structures
- ▶ Permanent Crops

Cannabis Cultivation in SC County

- ▶ All cannabis cultivation in Santa Clara County is indoor
- ▶ Water Source is treated water at non-agricultural rate
- ▶ Approximately 8 entities hold 17 licenses
- ▶ Estimated water usage is 29 AF per year

Agriculture in Fixed Structures*

Mushrooms:

Year	Acres	Water Acre Feet	Groundwater Charges
2017	145	435	\$10,262

Seed Crops:
(Veg. and Flower)

Year	Acres	Water Acre Feet	Groundwater Charges
2017	557	1114	\$26,279

*Source: County of Santa Clara 2017 Crop Report
Approximately 7 District Customers

Permanent Fruit & Nuts*

Walnuts:

Year	Acres	Water Acre Feet	Groundwater Charges
2017	236	703	\$16,590

Apricots:

Year	Acres	Water Acre Feet	Groundwater Charges
2017	149	456	\$10,756

Cherries:

Year	Acres	Water Acre Feet	Groundwater Charges
2017	980	2862	\$67,505

Grapes:

Year	Acres	Water Acre Feet	Groundwater Charges
2017	1601	1601	\$37,768

*Source: County of Santa Clara 2017 Crop Report

Staff Recommendations

- ▶ Increase Agricultural charge to 10% of M&I over a 7 year period
 - ▶ Would increase Ag charge to 6.7% of M&I for FY 20, \$32.23/AF
- ▶ Proceed with an adjustment program for Williamson Act and Conservation Easement participants that would hold their agricultural water charge to 6% of M&I, or \$28.86/AF
- ▶ Investigate concept of fund raising via donations to help preserve agricultural land or open space
- ▶ No unique agricultural charge for fixed structure, or permanent fruit & nut crops due to unfavorable cost/benefit

BACK-UP SLIDES

Williamson Act & Conservation Easements

5-Year Transition

Current 6% of M&I

	FY 19	FY 24
South County		
Municipal & Industrial	\$450	\$652
Ag Rate % of M&I Rate	6.0%	6.0%
Agricultural	\$27.02	\$39.15

10% of M&I by FY 24

	FY 19	FY 24
South County		
Municipal & Industrial	\$450	\$652
Ag Rate % of M&I Rate	6.0%	10.0%
Agricultural	\$27.02	\$65.39

Total Anticipated 5-Year Savings to Open Space Credit \$1.4M

25% of M&I by FY 24

	FY 19	FY 24
South County		
Municipal & Industrial	\$450	\$652
Ag Rate % of M&I Rate	6.0%	25.0%
Agricultural	\$27.02	\$163.07

Total Anticipated 5-Year Savings to Open Space Credit \$6.5M

Williamson Act & Conservation Easements

7-Year Transition

Current 6% of M&I

	FY 19	FY 26
South County		
Municipal & Industrial	\$450	\$757
Ag Rate % of M&I Rate	6.0%	6.0%
Agricultural	\$27.02	\$45.41

10% of M&I by FY 26

	FY 19	FY 26
South County		
Municipal & Industrial	\$450	\$757
Ag Rate % of M&I Rate	6.0%	10.0%
Agricultural	\$27.02	\$75.65

Total Anticipated 7-Year Savings to Open Space Credit \$2.1M

25% of M&I by FY 26

	FY 19	FY 26
South County		
Municipal & Industrial	\$450	\$757
Ag Rate % of M&I Rate	6.0%	25.0%
Agricultural	\$27.02	\$189.08

Total Anticipated 7-Year Savings to Open Space Credit \$9.8M

Williamson Act & Conservation Easements

10-Year Transition

Current 6% of M&I

	FY 19	FY 29
South County		
Municipal & Industrial	\$450	\$898
Ag Rate % of M&I Rate	6.0%	6.0%
Agricultural	\$27.02	\$53.87

10% of M&I by FY 29

	FY 19	FY 29
South County		
Municipal & Industrial	\$450	\$898
Ag Rate % of M&I Rate	6.0%	10.0%
Agricultural	\$27.02	\$89.95

Total Anticipated 10-Year Savings to Open Space Credit \$3.4M

25% of M&I by FY 29

	FY 19	FY 29
South County		
Municipal & Industrial	\$450	\$898
Ag Rate % of M&I Rate	6.0%	25.0%
Agricultural	\$27.02	\$224.72

Total Anticipated 10-Year Savings to Open Space Credit \$16.0M

- ▶ Study prepared by ERA Economics LLC
- ▶ Constructed an economic model of agriculture in Santa Clara County
 - ▶ 3 scenarios with 10 year phase-in
 - ▶ Baseline (Maintain Ag Charge at 6% of M&I rate)
 - ▶ 10 % of M&I rate
 - ▶ 25 % of M&I rate
- ▶ Economic Evaluation Conclusions:
 - ▶ A 10% increase in Ag Rates over 10 years would cause permanent fallow of 0.11% of irrigated acres
 - ▶ A 25% increase in Ag Rates over 10 years would cause permanent fallow of 3.5% of irrigated acres

Open Space Credit: 2013 Economic Study Overview

► Staff Analysis of Economic Evaluation Conclusions:

Calendar Year	Fruit and Nuts	Field Crops	Onions and Garlic	Vegetables	Processed Tomatoes	Grapes	Dryland Hay	Total
	Acres Harvested							
2011	1,197	1,339	520	9,248	1,060	1,550	3,510	18,424
2017	1,613	1,195	784	13,224	322	1,601	4,044	22,783
Acres Delta	416	(144)	264	3,976	(738)	51	534	4,359
Acres Delta %	35%	-11%	51%	43%	-70%	3%	15%	24%

► Potential factors contributing to the 24% increase in harvested acreage:

- Drought
- Central Valley water management
- Transition to higher value crops
- Irrigation efficient technologies
- SCVWD Ag Rates

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File No.: 19-0192

Agenda Date: 4/15/2019

Item No.: 5.3.

COMMITTEE AGENDA MEMORANDUM

Environmental and Water Resources Committee

SUBJECT:

Update from Environmental and Water Resources Committee's Working Groups.

RECOMMENDATION:

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

SUMMARY:

At the Committee's January 2019 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.

ATTACHMENTS:

Attachment 1: 2019 Working Groups Spreadsheet

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

2019 EWRC Independent Working Groups

Name	1. Fisheries and Aquatic Habitat Collaboration Effort (FAHCE)	2. Water Storage Opportunities	3. California WaterFix	4. Recycled and Purified Water	5. Anderson Dam Seismic Retrofit Project	6. Coyote Creek Emergency Action Plans and Flood Protection	7. Coordinated Approach to Environmental Stewardship	8. Advance Diversity and Inclusion Efforts	9. Groundwater Production Charges, Open Space Credit	10. Water Supply Master Plan 2040	11. Climate Change Adaptation and Carbon Neutrality by 2020 Program	Total Groups Joined
Bonnie Bamburg										1	1	2
John Bourgeois												0
Tess Byler		1	1									2
Hon. Dean Chu												0
Charles Ice				1		1			1			0
Stephen A. Jordan												0
Arthur M. Keller, Ph.D.			1							1	1	3
Hon. Patrick S. Kwok												0
Loren B. Lewis												0
Bob Levy						1						1
Tara Martin-Milius												0
Sachihiko Michitaka												0
Rev, Jethroe Moore II												0
Rita Norton												0
Marc Rauser												0
Elizabeth Sarmiento												0
Charles Taylor												0
Total Members	0	1	2	1	0	2	0	0	1	2	2	8

Lead

See 2019 EWRC Independent Working Group Guidelines

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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File No.: 19-0193

Agenda Date: 4/15/2019

Item No.: 5.4.

COMMITTEE AGENDA MEMORANDUM

Environmental and Water Resources Committee

SUBJECT:

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

RECOMMENDATION:

Review the EWRC work plan to guide the commission'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.

Special discussion from Director Nai Hsueh from the Board Policy and Planning Committee regarding aligning the EWRC's work plan to the Board's 2019 Work Plan.

BACKGROUND:

Governance Process Policy-8:

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 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.

File No.: 19-0193

Agenda Date: 4/15/2019
Item No.: 5.4.

ATTACHMENTS:

Attachment 1: EWRC 2019 Work Plan
Attachment 2: EWRC July 15, 2019, Draft Agenda

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

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 2019	January 28	<ul style="list-style-type: none"> Committee Elects Chair and Vice Chair for 2019. (Action) 	<p>Accomplished January 28, 2019: The Committee elected Ms. Tess Byler as 2019 Committee Chair and Dr. Arthur L. Keller, as 2019 Committee Vice Chair.</p>
2	Annual Accomplishments Report	January 28	<ul style="list-style-type: none"> Review and approve 2018 Accomplishments Report for presentation to the Board. (Action) Provide comments to the Board, as necessary. 	<p>Accomplished January 28, 2019: The Committee reviewed and approved the 2018 Accomplishments Report for presentation to the Board.</p> <p><i>The Board received the Committee's presentation at its March 26, 2019, meeting.</i></p>
3	Review and Comment to the Board on the Fiscal Year 2019-20 Preliminary Groundwater Production Charges.	January 28	<ul style="list-style-type: none"> Review and Comment to the Board on the Fiscal Year 2019-20 Preliminary Groundwater Production Charges. (Action) 	<p>Accomplished January 28, 2019: The Committee reviewed and comment to the Board on the Fiscal Year 2019-20 Preliminary Groundwater Production Charges, however, took no action.</p>
4	Open Space Credit	January 28	<ul style="list-style-type: none"> Receive information on Open Space Credit (Action). 	<p>Accomplished January 28, 2019: The Committee received information on the Open Space Credit Policy with the following action:</p> <ul style="list-style-type: none"> The Committee approved having the Board consider keeping the Agricultural rate as low as possible and equitable while finding other sources. If it is not equitable then

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 1 of 7

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>the larger farmers should pay the higher rates.</p> <ul style="list-style-type: none"> The Committee approved having the Board consider having staff analyze and propose 2 pathways 1. ½% increase every year over 8 years up to 10% and 2. Keep staff's recommendation with an added administrative task and associated costs with the co-opping of smaller farms that don't meet the acreage qualification of the Williamson Act/Conservation Easement and come up with best management practices and water conservation measures.
5	Status of Working Groups	January 28 April 15 July 15 October 21	<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 28, 2019: The Committee received information on the status of the working groups and took no action, however, Chair Tess Byler will update the guidelines to align them to the Board's 2019 work plan.</p>
6	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 28 April 15 July 15 October 21	<ul style="list-style-type: none"> Receive and review the 2019 Committee work plan. (Action) Submit requests to the Board, as appropriate. 	<p>Accomplished January 28, 2019: The Committee reviewed the 2019 work plan and took the following action:</p> <ul style="list-style-type: none"> <i>The Committee agreed to add update on CA WaterFix.</i>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 2 of 7

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
7	Review and Comment to the Board on the Fiscal Year 2020 Proposed Groundwater Production Charges	April 15	<ul style="list-style-type: none"> Review and comment to the Board on the Fiscal Year 2020 Proposed Groundwater Production Charges. (Action) Provide comments to the Board, as necessary. 	
8	<p><u>Standing Items Reports/Fiscal Year 2019:</u></p> <ol style="list-style-type: none"> Finalize the Fisheries and Aquatic Habitat Collaboration Effort (FAHCE) (Report from the FAHCE Ad Hoc Committee) Actively Pursue Efforts to Increase Water Storage Opportunities (Report from the Water Storage Exploratory Committee) Actively Participate in Decisions Regarding the California WaterFix (Report from EWRC Board Representative) Advance Recycled and Purified Water Efforts with the City of San Jose and Other Agencies (Report from the Recycled Water Committee) Advance Anderson Dam Seismic Retrofit Project (Report from the Capital Improvement Program Committee) Provide for a Watershed-Wide Regulatory Planning and Permitting Effort (Report from the Capital Improvement Program Committee) Ensure Immediate Emergency Action Plans and Flood Protection are Provided for Coyote Creek (Report from the Coyote Creek Flood Risk Reduction Ad Hoc 	April 15	<ul style="list-style-type: none"> Receive quarterly reports on standing items. (Information) 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
Page 3 of 7

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	Committee) 8. Foster a Coordinated Approach to Environmental Stewardship Effort (Report from EWRC Board Representative) 9. Advance Diversity and Inclusion Efforts (Report from the Diversity and Inclusion Ad Hoc Committee)			
9	Water Supply Master Plan Update	July 15	<ul style="list-style-type: none"> Receive an update on the Water Supply (Information) 	
10	<u>Standing Items Reports Fiscal Year 2020:</u> 1. Finalize the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE) (Assigned to Water Conservation and Demand Management Committee) 2. Actively Pursue Efforts to Increase Water Storage Opportunities. (Assigned to Water Conservation and Demand Management Committee) 3. Actively Participate in Decisions Regarding the California Water Fix. (Assigned to California WaterFix Working Group) 4. Lead Recycled and Purified Water Efforts with the City of San Jose and Other	July 15 October 21	<ul style="list-style-type: none"> Receive quarterly reports on standing items. (Information) 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
Page 4 of 7

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	<p>Agencies. (Assigned to Recycled Water Committee)</p> <p>5. Engage and educate the community, local elected officials and staff on future water supply strategies in Santa Clara County. (Assigned to Water Conservation and Demand Management Committee)</p> <p>6. Advance Anderson Dam Seismic Retrofit Project. (Assigned to Capital Improvement Program Committee)</p> <p>7. Pursue opportunities to expedite regulatory permit processes and streamline permit reviews. (Assigned to FAHCE Ad Hoc Committee)</p> <p>8. Attain net positive impact on the environment when implementing flood protection and water supply projects. (Assigned to Capital Improvement Program Committee)</p> <p>9. Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation (E-4.1.3). (Assigned to Homeless Encampment Ad Hoc Committee)</p> <p>10. Advance Diversity and Inclusion Efforts. Carry forward to FY20 (Assigned to Diversity and Inclusion Ad Hoc Committee)</p> <p>11. Understand if the level of services Valley Water provides to the public are reasonable and the costs of providing</p>			

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
Page 5 of 7

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	services are affordable and effective. (Assigned to Revenue Working Group)			
11	Climate Change Mitigation – Carbon Neutrality by 2020 Program Update/ Energy Use Policy Discussion	TBD	<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. 	
12	Pacheco Reservoir Expansion Project Update	TBD	<ul style="list-style-type: none"> Receive an update on the Pacheco Reservoir Expansion Project (Information) 	
13	Update on Flood Protection Management Plan	TBD	<ul style="list-style-type: none"> Receive information on the Flood Protection Management Plan. (Action) 	
14	Discussion on Environmental Issues- Endangered Species, Drought Environmental Impacts	TBD	<ul style="list-style-type: none"> Discuss the environmental issues- endangered species, drought environmental impacts. (Action) Provide comments to the Board, as necessary. 	
15	Discussion on the District’s Water Resources Protection Ordinance	TBD	<ul style="list-style-type: none"> Discuss the District’s Water Resources Protection Ordinance. (Action) 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

2019 Work Plan: Environmental and Water Resources Committee

Update: March 2019

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
			<ul style="list-style-type: none"> Provide comments to the Board, as necessary. 	
16	District's environmental audit of disposable (paper and plastic ware) products pertaining to their food services.	TBD	<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. 	
17	Receive information on Climate Change And the District's policy response regarding flooding, sea level rise, wildfires.	TBD	<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	Climate Change and Sea Level Rise Adaptation – Water Supply, Flood Protection, Ecosystems Protection	TBD	<ul style="list-style-type: none"> Receive information on climate change and sea level rise adaptation, Water Supply, Flood Protection and Ecosystems Protection. (Action) Provide comments to the Board, as necessary. 	
19	Receive update information on Salmonid	TBD	<ul style="list-style-type: none"> Receive update information on Salmonid. (Action) 	
20	Receive Draft FAHCE EIR	TBD	<ul style="list-style-type: none"> Receive the draft FAHCE EIR when completed. 	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
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Committee Officers

Tess Byler, Committee Chair
Arthur M. Keller, 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 15, 2019
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 15, 2019, meeting

Standing Items Reports

4. *This item allows the Committee to receive verbal or written updates and discuss the Board's Fiscal Year 2020 Work Plan Strategies. These items are generally informational, however, the Committee may request additional information and/or provide collective input to the assigned Board Committee.*

1. Finalize the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE) (Assigned to Water Conservation and Demand Management Committee)
2. Actively Pursue Efforts to Increase Water Storage Opportunities. (Assigned to Water Conservation and Demand Management Committee)
3. Actively Participate in Decisions Regarding the California Water Fix. (Assigned to California WaterFix Working Group)
4. Lead Recycled and Purified Water Efforts with the City of San Jose and Other Agencies. (Assigned to Recycled Water Committee)
5. Engage and educate the community, local elected officials and staff on future water supply strategies in Santa Clara County. (Assigned to Water Conservation and Demand Management Committee)
6. Advance Anderson Dam Seismic Retrofit Project. (Assigned to Capital Improvement Program Committee)
7. Pursue opportunities to expedite regulatory permit processes and streamline permit reviews. (Assigned to FAHCE Ad Hoc Committee)
8. Attain net positive impact on the environment when implementing flood protection and water supply projects. (Assigned to Capital Improvement Program Committee)

9. Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation (E-4.1.3). (Assigned to Homeless Encampment Ad Hoc Committee)
10. Advance Diversity and Inclusion Efforts. Carry forward to FY20 (Assigned to Diversity and Inclusion Ad Hoc Committee)
11. Understand if the level of services Valley Water provides to the public are reasonable and the costs of providing services are affordable and effective. (Assigned to Revenue Working Group)

5. Action Items

5.1 Update on the Water Supply Master Plan (Garth Hall)

Recommendation: Receive an updated presentation on the Water Supply Master Plan and provide comment to the Board as necessary.

5.2 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.

5.3 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.

6. 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.

7. 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.

7.1 Director's Report

7.2 Manager's Report

7.3 Committee Member Reports

7.4 Links to Informational Reports

8. Adjourn: Adjourn to next regularly scheduled meeting at 1:30 p.m., **October 21, 2019**, 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 Headquarters 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.

