



April 10, 2017

NOTICE OF MEETING – REQUEST FOR RSVPS

Members of the Joint Recycled Water Policy Advisory Committee

Santa Clara Valley Water District:

Director Hon. Tony Estremera – Chair
Director Hon. Barbara Keegan
Director Hon. Gary Kremen

City of San José

Council Member, Lan Diep
Council Member, Sylvia Arenas
Ms. Kerrie Romanow – Alternate

City of Santa Clara:

Council Member Hon. Debi Davis
Council Member Hon. Kathy Watanabe - Alternate

Supporting Santa Clara Valley Water District Staff Members:

Norma J. Camacho, Interim Chief Executive Officer
Stan Yamamoto, District Counsel
Anthony Fulcher, Senior Assistant District Counsel
Jim Fiedler, Chief Operating Officer
Garth Hall, Deputy Operating Officer, Water Supply Division
Katherine Oven, Deputy Operating Officer, Water Utility Capital
Angela Cheung, Deputy Operating Officer, Water Utility Operations & Maintenance
Rick Callender, Deputy Administrative Officer, Government Relations and Communications
Hossein Ashktorab, Unit Manager, Recycled and Purified Water
Luisa Sangines, Senior Engineer
Miguel Silva, Associate Engineer II
Tony Mercado, Public Information Representative II
Elise Latedjou-Durand, Environmental Planner II
Toni Vye, Staff Analyst

Supporting City of San José Staff Members:

Jeffrey Provenzano, Deputy Director, Water Resources Division
Michele Young, Program Manager, South Bay Water Recycling

Supporting City of Santa Clara Staff Members:

Alan Kurotori, Assistant City Manager
Gary Welling, Assistant Director, Water & Sewer Utilities

A meeting of the Santa Clara Valley Water District Joint Recycled Water Policy Advisory Committee will take place at **10:00 a.m. on Thursday, April 20, 2017**, at the Santa Clara Valley Water District's Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California 95118.

Enclosed for your convenience is a copy of the agenda and corresponding materials. Please bring these materials to the meeting with you.

Please RSVP at your earliest convenience by calling Glenna Brambill at 1-408-630-2408, or by email to gbrambill@valleywater.org.

Thank you!

Glenna Brambill
Management Analyst II
Santa Clara Valley Water District
Office of the Clerk of the Board
1-408-630-2408



JOINT RECYCLED WATER POLICY ADVISORY COMMITTEE

Barbara Keegan, *Board Member, Santa Clara Valley Water District*

Tony Estremera, *Board Member, Santa Clara Valley Water District*

Gary Kremen, *Board Member, Santa Clara Valley Water District*

Lan Diep, *Council Member, City of San José*

Sylvia Arenas, *Council Member, City of San José*

Debi Davis, *Council Member, City of Santa Clara*

Joint Recycled Water Policy Advisory Committee

City of San José/SCVWD/City of Santa Clara-TPAC

SCVWD HQ Building, Boardroom

5700 Almaden Expressway, San Jose, California 95118

THURSDAY, APRIL 20, 2017

10:00 AM to 12 NOON

Time Certain:

10:00 a.m.

- 1. Call to Order/Roll Call.**
- 2. Time Open for Public Comment on Any Item Not on the 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.** May 19, 2016.
Recommendation: Approve the minutes.
- 4. Action Items.**
 - 4.1** Elect Committee Chair for 2017. (Director Tony Estremera)
Recommendation: Elect a chair of the Joint Recycled Water Policy Advisory Committee.
 - 4.2** Discuss Roles and Responsibilities of the Joint Recycled Water Policy Advisory Committee. (Garth Hall)
Recommendation: Receive information and discuss next steps.
 - 4.3** Proposed Operation and Maintenance Budgets FY 17-18.
(Angela Cheung/Kerrie Romanow/Jeffrey Provenzano)
 - A. Silicon Valley Advanced Water Purification Center Budget
 - B. South Bay Water Recycling Budget**Recommendation: Receive and discuss Silicon Valley Advanced Water Purification Center and South Bay Water Recycling operations and maintenance status and operational budgets.**
 - 4.4** Receive Information Regarding the City of San José/City of Santa Clara/SCVWD Ongoing Collaboration on Non-Potable and Potable Reuse Efforts. (G. Hall/ K. Oven)
 - A. Key items being coordinated:
 - a. Reverse Osmosis Concentrate Management
 - b. Future wastewater availability, uses, and flows to Bay
 - c. Private activity analysis
 - d. Land
 - e. Availability of increased recycled water supplies**Recommendation: Receive information and discuss next steps on non-potable and potable reuse efforts.**

5. Review Committee Workplan and Meeting Schedule.

6. Clerk Review and Clarification of Committee Requests and Recommendations.

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 discussion of Item 4.

7. Adjourn. Adjourn to next regularly scheduled meeting at 10:00 A.M., April 19, 2018, at the San José City Hall, Room 1734, City of San José, 200 East Santa Clara Street, San José, CA 95113

REASONABLE EFFORTS TO ACCOMMODATE PERSONS WITH DISABILITIES WISHING TO ATTEND COMMITTEE MEETINGS WILL BE MADE. PLEASE ADVISE THE CLERK OF THE BOARD'S OFFICE OF ANY SPECIAL NEEDS BY CALLING (408) 630-2277.

Meetings of this committee will be conducted in compliance with all Brown Act requirements. 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 same time that the public records are distributed or made available to the legislative body, at the following locations:

Santa Clara Valley Water District
Clerk of the Board
5700 Almaden Expressway
San José, CA 95118

City of San José
200 East Santa Clara Street
San José, CA 95113

City of Santa Clara
1500 Warburton Avenue
Santa Clara, CA 95050

Joint RWPAC Purpose: The Purpose of the Joint RWPAC is to enter its advice to the District's Board of Directors and the City Council of San José with respect to policy matters relating to the production, distribution and use of recycled water from facilities under administration by these agencies.

DRAFT MINUTES
JOINT RECYCLED WATER POLICY ADVISORY COMMITTEE
(City of San Jose/SCVWD/City of Santa Clara - TPAC)

Thursday, May 19, 2016

1. **Call to Order/Roll Call:** A meeting of the Joint Recycled Water Policy Advisory Committee (Committee) of the City of San Jose (CSJ), Santa Clara Valley Water District (District), and the City of Santa Clara (CSC) – Treatment Plant Advisory Committee (TPAC) was held at 10:07 a.m. on May 19, 2016, at San Jose City Hall, 200 E. Santa Clara St., Room 1734, San Jose, CA.

The following committee members were in attendance, constituting a quorum of the Committee: District Board Members B. Keegan, T. Estremera, G. Kremen, CSJ Council Member P. Oliverio, and CSC Council Member Debi Davis (alternate for Jerry Marsalli).

CSJ Council Member M. Nguyen was absent.

Also in attendance were District staff members H. Ashktorab, A. Cheung, J. Fielder, G. Hall, K. Oven, N. Camacho, E. Latedjou-Durand, P. Daniel, L. Sangines, M. Silva, A. Fulcher, CSJ staff members K. Romanow, J. Provenzano, M. Young, R. Tsongtaatarii, A. Kantak, and CSC staff member C. de Groot.

2. **Time Open for Public Comment:** Vice-Chair Oliverio declared time open for public comment on any item not on the agenda. There was no one present who wished to speak.
3. **Approval of minutes:** The Committee approved the draft minutes of the April 16, 2015 meeting. The approval was moved by District Board Member T. Estremera and seconded by Council Member P. Oliverio.
4. **Action Items:** Vice-Chair Oliverio called for staff presentation on agenda items 4.1 through 4.4.

4.1 Elect New Committee Chairperson and Vice Chairperson for 2016

District Board Member B. Keegan called for the nomination and election of Chairperson and Vice Chairperson for Fiscal Year (FY) 2016-2017.

District Board Member B. Keegan moved to nominate and elect District Board Member T. Estremera as FY 2016-2017 Chairperson, and it was seconded by Council Member P. Oliverio.

Council Member P. Oliverio moved to nominate and elect Council Member M. Nguyen as FY 2016-2017 Vice Chairperson and it seconded by District Board Member B. Keegan.

Because District Board Member Gary Kremen was not present at the meeting commencement (arrived at 10:19), District Board Member B. Keegan requested that we take the items out of order, continuing with 4.4 after 4.1 and before 4.2.

4.4 Expedited Purified Water Program Update

Katherine Oven, SCVWD Deputy Operating Officer, reviewed Slides 11-17 of the attached presentation materials.

Council Member P. Oliverio suggested that a joint letter from the Committee and/or the District and City to ask for a CEQA exemption to this project be issued.

4.2 South Bay Water Recycling Audit Report

Sharon Erickson, City Auditor/City of San Jose, reviewed the information on this item, as per the agenda packet pages 7-16.

4.3 Proposed Operation and Maintenance Budgets FYI 16-17

A. Silicon Valley Advanced Water Purification Center Budget

Angela Cheung, SCVWD Deputy Operating Office, reviewed Slide 9 of the attached presentation materials.

B. South Bay Water Recycling Budget

Kerrie Romanow, Director of Environmental Services/City of San Jose, reviewed Slide 10 of the attached presentation materials.

District Board Member B. Keegan suggested that it would be helpful to split out Repair/Replacement costs from O&M costs. While the format provided is taken directly from the Integration Agreement, K. Romanow offered to provide more details on projects for future reports

5. Clerk Review and Clarification of Committee Requests and Recommendations:

No Committee requests and/or recommendations.

6. Adjourn: Chairperson Estremera adjourned the meeting at 10:37 a.m., to the next regularly scheduled meeting at 10:00 a.m., Thursday, April 20, 2017, at SCVWD Headquarters, 5700 Almaden Expressway, San Jose, CA.



Committee: JRWPAC
Meeting Date: 04/20/17
Agenda Item No.: 4.1
JRWPAC Chair: Director Tony Estremera
Email: testremera@valleywater.org

COMMITTEE AGENDA MEMO

SUBJECT: Elect Joint Recycled Water Policy Advisory Committee Chair for 2017.

RECOMMENDED ACTION:

Elect a chair of the Joint Recycled Water Policy Advisory Committee.

SUMMARY:

Consistent with Article 3.C of the Recycled Water Facilities and Programs Integration Agreement between the City of San José and the Santa Clara Valley Water District, adopted on March 2, 2010, members of the Recycled Water Policy Advisory Committee (Committee) shall elect one member to serve as Chair of the Committee at the first meeting in each fiscal year. The Chair shall serve until the election of a successor in the next fiscal year, or no longer a member of the Committee, whichever is earlier. Mid-fiscal year vacancies in the office of the Chair occurring in between regular elections will be filled by the Committee electing a chairperson to serve until the next regular election. The chairperson shall preside at all meetings of the Committee. In the event of the chairperson's absence from any meeting, the members of the Committee may elect a chair pro-tem to serve as chair during the latter's absence.

ATTACHMENT(S):

Attachment 1: PowerPoint Presentation

4.1 Elect Joint Recycled Water Policy Advisory Committee Chair for 2017



4.1 Joint Recycled Water Policy Advisory Committee

Agreement A3351S

- Joint Recycled Water Policy Advisory Committee nominates a Committee Chair at the first meeting in each fiscal year who presides over all meetings of the Committee until a successor is elected in the next fiscal year, or until no longer a member of the Committee, whichever is earlier.
- Mid-fiscal year vacancies are filled by Committee election. A Chair Pro-tem may be elected by the Committee to serve as chair during the Chair's absence. A Secretary shall be provided by the City of San José during even numbered years and by the SCVWD during odd numbered years.



Committee: JRWPAC
Meeting Date: 04/20/17
Agenda Item No.: 4.2
Unclassified Manager: Garth Hall
Email: ghall@valleywater.org

COMMITTEE AGENDA MEMO

SUBJECT: Discuss Roles and Responsibilities of the Joint Recycled Water Policy Advisory Committee.

RECOMMENDED ACTION:

Receive information and discuss next steps.

SUMMARY:

Committee Overview

This information is provided for the benefit of new Committee Members.

The Recycled Water Policy Advisory Committee was established on March 2010 by the 40-year Recycled Water Integration of Facilities and Programs Agreement. It consists of six (6) members. Three (3) members shall be appointed Board of Directors of the Santa Clara Valley Water District and three (3) shall be from cities and/or agencies with voting membership on the San José/Santa Clara Treatment Plant Advisory Committee, as appointed by the City Council of the City of San José, with one (1) of such members being a member of the City Council of the City of San José and one (1) of such members being a member of the City Council of the City of Santa Clara.

City shall provide a secretary/clerk for the Committee in even numbered years and District shall provide secretary/clerk in odd numbered years. The meetings of the Committee shall be subject to the requirements of the Brown Act. Please see Attachment 2 for Excerpt from Agreement A3351S, Article 3. G. Powers and Duties.

ATTACHMENT(S):

Attachment 1: PowerPoint Presentation

Attachment 2: Excerpt from Agreement A3351S, Article 3. G. Powers and Duties

4.2 Discuss Roles and Responsibilities of the JRWPAC



4.2 JRWPAC Background and Accomplishments

Accomplishments to date:

March 2010:
40-year
Integration
Agreement
established
JRWPAC



2010, 2011, 2012:
Applied and
received
funding from
ARRA*, Prop 84,
Prop 50 and
USBR** Title XVI



2014:
Completion of
South Bay Water
Recycling
Strategic and
Master Planning
Report



2014: Successful
construction
and operation
of the SVAWPC

Ongoing:

Enhance
recycled
water quality



Extensive
outreach
program



Partnership
in ongoing
studies

* ARRA = American Recovery and Reinvestment Act

**USBR = United States Bureau of Reclamation

4.2 Roles and Responsibilities of the JRWPAC

Excerpt Article 3. G. Powers and Duties, Attachment 2

The Policy Advisory Committee advises the respective legislative bodies on matters pertaining to:

- Recycled water production and distribution
- Wholesale rates and retailer agreements
- Major expansions of non-potable system and advanced recycled water treatment plant
- Cost sharing for studies, investigations and master planning
- Annual review and recommendation on proposed budgets for SBWR and the Advanced Water Treatment Facility (a.k.a. SVAWPC)

4.2 Roles and Responsibilities of the JRWPAC

Excerpt Article 3. G. Powers and Duties, Attachment 2

While the following matters will not be subject to Committee review as expansion projects, they may be subject to review for other issues, such as water quality:

- Pipeline extension projects for which funding has been approved or secured prior to the Effective Date.
- Pipeline extension projects that are completely developer funded.
- Customer or public agency facility or irrigation system improvements for use of recycled water, including customer laterals to connect to the installed SBWR pipeline distribution system.

Excerpts from the Integrated Management of Recycled Water Programs and Facilities Agreement
District Agreement No. A3351S
Article 3. G. Powers and Duties

- G. Powers and Duties. The Committee shall have the following powers and duties:
1. Tender its advice to the Board of Directors of the Santa Clara Valley Water District and the City Council of the City of San José with respect to policy matters under consideration by those legislative bodies relating to the production, distribution and use of recycled water.
 - (a) Examples of matters on which the City Council and District Board agree to consider the recommendation of the Committee include:
 - (i) Recommendations related to cost sharing for special studies, technical investigation, and master planning related to recycled water.
 - (ii) Recommendations related to pursuit of future grant funding for Parties' recycled water projects.
 - (iii) Recommendations related to expansion of the non-potable system and/or AWTF expansion or additional AWTF facilities.
 - (iv) Recommendation to City Council of the City of San José on changes in terms and conditions for wholesale distribution of recycled water, including amendment of agreements with water retailers, new water retailer agreements and proposed changes in wholesale recycled water rates.
 - (v) Recommendation related to expenditure of any Project Costs Savings.
 - (b) While the following matters will not be subject to Committee review as expansion projects, they may be subject to review for other issues, such as water quality:
 - (i) Pipeline extension projects for which funding has been approved or secured prior to the Effective Date.
 - (ii) Pipeline extension projects that are completely developer funded.
 - (iii) Customer or public agency facility or irrigation system improvements for use of recycled water, including customer laterals to connect to the installed SBWR pipeline distribution system.
 2. Tender its advice to the legislative bodies of both Board of Directors of the Santa Clara Valley Water District and the City Council of the City of San José with respect to amendments to this Agreement.
 3. Annually, on or before the first day of May each year beginning on May 1, 2011, the Recycled Water Policy Advisory Committee shall review and make recommendations to the Board of Directors of the Santa Clara Valley Water District and the City Council of the City of San José on their respective proposed budgets for the ensuing fiscal year for the maintenance, expansion, replacement, improvement and operation of the SBWR and the AWTF.



Committee: JRWPAC
Meeting Date: 04/20/17
Agenda Item No.: 4.3
Unclassified Manager: Angela Cheung
City of San José: Kerrie Romanow
Jeffrey Provenzano
Email: acheung@valleywater.org
kerrie.romanow@sanjoseca.gov
Jeffrey.provenzano@sanjoseca.gov

COMMITTEE AGENDA MEMO

SUBJECT: Proposed Operation and Maintenance Budgets FY 17-18.
A. Silicon Valley Advanced Water Purification Center Budget
B. South Bay Water Recycling Budget

RECOMMENDED ACTION:

That the Joint Recycled Water Policy Advisory Committee make recommendations to the Board of Directors of the Santa Clara Valley Water District and the City Council of the City of San José on their respective proposed budgets for the ensuing fiscal year for the maintenance, expansion, replacement, improvement, and operation of the South Bay Water Recycling system and the Silicon Valley Advanced Water Purification Center (Article 3.G.3 of Integration Agreement).

SUMMARY:

On March 2, 2010, the Recycled Water Facilities and Programs Integration Agreement (Integration Agreement) was executed between the City of San Jose and the District. This Agreement outlines the terms of the operational support payments upon commencement of operation of the Silicon Valley Advanced Water Purification Center (SVAWPC) as well as the policy considerations for the recycled water produced and blended with the purified water from the distributed by the City of San José via the South Bay Water Recycling system (SBWR) and purified water produced by the SVAWPC. The Integration Agreement also specifically requires that on an annual basis, before May 1 of each year, that the parties review the budgets of SBWR and SVAWPC and make recommendations to the Board of Directors of the Santa Clara Valley Water District and the City Council of the City of San José on their respective proposed budgets for the ensuing fiscal year for the maintenance, expansion, replacement, improvement, and operation of the SBWR and the SVAWPC (Article 3.G.3 of Integration Agreement).

The proposed fiscal year 17-18 budget for SBWR is \$11,883,617 and for the SVAWPC is \$4,058,000.

04/20/2017

ATTACHMENT(S):

Attachment 1: PowerPoint Presentation

4.3 Proposed O&M Budgets for SBWR and SVAWPC FY 17-18



4.3 Proposed O&M Budgets FY 17-18

A. SVAWPC Budget

B. SBWR Budget

4.3 SVAWPC O&M Highlights

- SVAWPC product water met all permit requirements
- SVAWPC reverse osmosis (RO) concentrate met all City requirements
- District continue to improve and optimize operations of SVAWPC
 - RO pilot-scale anti-scalant testing
 - Membrane cleaning study
 - New RO membrane selection
- SVAWPC on-going operations and data collection for potable reuse demonstration

4.3 SVAWPC Budget

Description	FY16 Actual ¹	FY17 Adopted	FY18 Proposed
Energy	\$555,803	\$610,000	\$610,000
Chemicals	\$538,274	\$900,000	\$450,000
Labor	\$1,731,883	\$2,200,145	\$2,247,000
Other Operation & Maintenance (O&M) Services & Supplies	\$774,213	\$840,700	\$751,000
Budgeted sinking fund for RO and MF membrane replacement	\$967,000 ²	0 ³	0 ³
<u>O&M Cost</u>	\$4,567,173	\$4,550,845	\$4,058,000

• ¹These are financial audited numbers for FY16.

• ²Sinking reserve fund was set up in FY15 for \$939,000 and \$967,000 was added in FY16.

• ³In FY17, with \$1,906,000 accumulated in the sinking reserve fund (not expended as yet) no addition reserve fund was budgeted. Staff is also not proposing to add to the reserve fund in FY18. There are sufficient funds in the sinking reserve fund to pay for the first round of MF and RO membrane replacement, when warranted.

4.3 Reliability Improvements Repair Replace for Existing Infrastructure

Strategic Plan Recommended Projects	Strategic Plan Cost Estimates	2017-2018 Projections
Distribution System Reliability Projects		\$ 1,040,000
Upgrade Pump Station 5 Bypass	\$300,000 - \$500,000	\$ 240,000
PS 5 VFDs	\$60,000	Done 2016-17
Valve Exercising Program	<\$100,000/year	\$ 100,000
Automate Zone Bypass Valve at Pump Station 8/11	<\$50,000	
HVAC Upgrades at PS 5 and PS 8/11	150000-250000	\$ 200,000
Hydraulic Capacity Study		\$ 500,000
Free Chlorine Disinfection	\$500,000 - \$1,000,000	\$ 200,000
Filter Flux Re-Rating Study		Done 2015-16
Tracer Study		Done 2015-16
CT Study		\$ 200,000
Construction from CT STUDY		
Automation and Communication		\$ 700,000
Filter Backwash Automation	\$100,000 – \$500,000	\$ 100,000
Distribution System Automation	\$650,000 – \$2,150,000	\$ 400,000
Update SBWR Systems Operations Manual	\$100,000 - \$200,000	\$ 200,000
Other Condition Assessment Projects	up to \$2 million/year	\$ 500,000
Repair ARV's		Done 2015-16
54" Valve Re-Seating		Done 2016-17
54" Meter Replacement		Done 2016-17
Projects Defined by Condition Assessment Review		\$ 500,000
TPS Capacity Upgrade	\$1,000,000 - \$3,000,000	300,000
16" meter		Done 2015-16
Replace ARVs at TPS		Done 2016-17
Replacement 1000 HP pump		300,000
Total Estimated Expenditures		\$ 2,740,000

4.3 SBWR Budget

PRELIMINARY SBWR BUDGET PROJECTION			
Description	Actuals FY15-16	Estimated FY16-17 Budget	Projected FY17-18 Budget
Program Administration, Permitting and Compliance	\$ 2,237,221	\$ 2,722,554	\$ 3,295,908
System Operations and Maintenance	\$ 3,243,531	\$ 4,421,063	\$ 7,352,709
Capital Planning and Engineering (Studies)	\$ 50,260	\$ 705,000	\$ 600,000
Communication and Outreach	\$ 14,785	\$ 35,000	\$ 35,000
City of San José Overhead and Capitated Services	\$ 526,605	\$ 600,000	\$ 600,000
TOTAL SBWR Operating Expenses	\$ 6,072,402	\$ 8,483,617	\$ 11,883,617
SBWR Wholesale Recycled Water Sales	\$ 7,822,478	\$ 10,364,222	\$ 12,095,047
City Net Operating Cost: (Savings)	(1,750,076)	\$ (1,880,605)	\$ (211,430)
City Net Operating Revenue	\$ 1,750,076	\$ 1,880,605	\$ 211,430

4.3 Staff's Budget Recommendations

That the Recycled Water Policy Advisory Committee recommends:

1. The San José City Council (SJCC) consider the input provided by the Committee regarding the South Bay Water Recycling FY 17-18 Draft Budget; and
2. The Santa Clara Valley Water District Board adopt the SVAWPC Proposed FY 17-18 Budget.

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Committee: JRWPAC
Meeting Date: 04/20/17
Agenda Item No.: 4.4
Unclassified Manager: Garth Hall
Katherine Oven
Email: ghall@valleywater.org
koven@valleywater.org

COMMITTEE AGENDA MEMO

SUBJECT: Receive Information Regarding the City of San José/City of Santa Clara/SCVWD Ongoing Collaboration on Non-Potable and Potable Reuse Efforts.

RECOMMENDED ACTION:

Receive information and discuss next steps on non-potable and potable reuse efforts.

SUMMARY:

Overview

The City of San José (City) and the Santa Clara Valley Water District (District) share a history of working together since 1990 in developing recycled water supplies. Building on the 2010 Recycled Water Facilities and Programs Integration Agreement, the two agencies, along with the City of Santa Clara, continue to collaborate on recycled water and, more recently, in planning for expansion of purified water facilities.

In 2015, the Board directed staff to explore expedited development of up to 45,000 acre-feet per year of purified water, which could supplement groundwater recharge and/or be blended with imported raw water for further treatment and distribution to in-County retailers. The Board's objective in this regard is to enhance water supply reliability in the County and, importantly, to avert groundwater depletion that could result in permanent ground surface subsidence.

Agreements

There are several key agreements, executed in 2010 and 2012 between the City of San José and the District, for the operations and maintenance of the Silicon Valley Advanced Water Purification Center (SVAWPC) and conveyance of purified water to the South Bay Water Recycling (SBWR). Staff from both agencies have been and will continue working collaboratively on non-potable and potable reuse efforts. The key components include:

- A. Reverse Osmosis (RO) Concentrate Management
- B. Future wastewater availability, uses, and flows to Bay
- C. Private activity analysis
- D. Land
- E. Availability of increased recycled water supplies

Key Components

The major technical issues currently being analyzed include:

A. RO Concentrate Management:

Recently, District staff has initiated a comprehensive evaluation of RO concentrate management alternatives with the objective of selecting a viable solution for RO concentrate at five potential advanced water purification facility sites in the County. The study, which includes significant stakeholder involvement, will ultimately provide a ten percent preliminary design for the selected alternative at each site. Staff anticipates completing the study at the end of calendar year 2018.

B. Future wastewater availability, uses, and flows to Bay

The District, with input from stakeholders (including staff from the Cities of San José and Santa Clara), has initiated efforts to develop a Countywide Recycled and Purified Water Master Plan (Master Plan). The Master Plan will collect and evaluate information contained in existing planning documents and documents under development through the Expedited Purified Water Program to identify: a) What are the available sources of water for reuse in the County? b) What is the total existing and projected quantity and quality of that available source water? and c) What is the maximum quantity available for reuse and what is a cost-effective balance between potable and non-potable reuse? The Master Plan will also evaluate system efficiency, reliability, and potential regional inter-connectivity. Staff anticipates completing the Master Plan by the end of calendar year 2018.

C. Private Activity analysis

The District is evaluating the technical and economic feasibility of direct potable reuse and has initiated a legal analysis to address potential impacts for the City of San Jose's tax-exempt bond status.

D. Land

The sufficiency of the land allocated for siting of expanded purified water treatment facilities near the SVAWPC and any potential land for wetlands to enhance the quality of RO concentrate is under evaluation.

E. Availability of increased recycled water supplies

There are multiple competing demands for wastewater resources that must be considered when analyzing the potential to increase recycled water supplies.

Next Steps

Further updates will be provided to the Committee at future scheduled meetings.

ATTACHMENT(S):

Attachment 1: PowerPoint Presentation

4.4 Receive Information Regarding the City of San José/City of Santa Clara/SCVWD Ongoing Collaboration on Non-Potable and Potable Reuse Efforts



4.4 Key Coordination Items

- A. Reverse Osmosis (RO) Concentrate Management
- B. Future wastewater availability, uses, and flows to Bay
- C. Private activity analysis
- D. Land
- E. Availability of additional recycled water supplies

4.4-A. Reverse Osmosis Concentrate Management

4.4-A. Reverse Osmosis Concentrate Management

- Comprehensive Alternatives Evaluation
 - Analysis of existing Regional Wastewater Facility outfall
 - Consideration of other alternatives
- Collaboration Efforts
 - City of San José, City of Santa Clara, others
 - Independent Advisory Panel
 - Stakeholder participation
 - Proposition 1 funding application



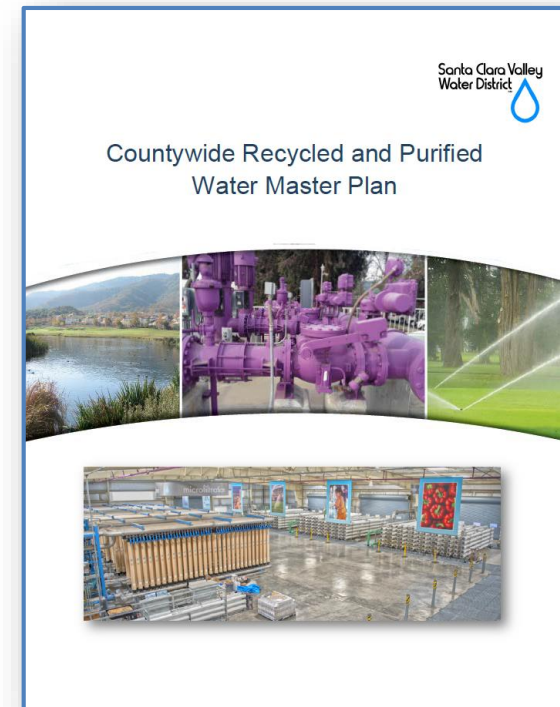
Treatment by Engineered
Wetland

4.4-B. Future Wastewater Availability, Uses, and Flows to Bay

4.4-B. Future Wastewater Availability, Uses, and Flows to Bay

Countywide Recycled and Purified Water Master Plan will address the following items:

- Water demand projections/wastewater generation
- Impacts of District draft model ordinance
- Wastewater source quantity and quality
- Balance between non-potable and potable reuse
- SBWR 2014 Strategic Plan



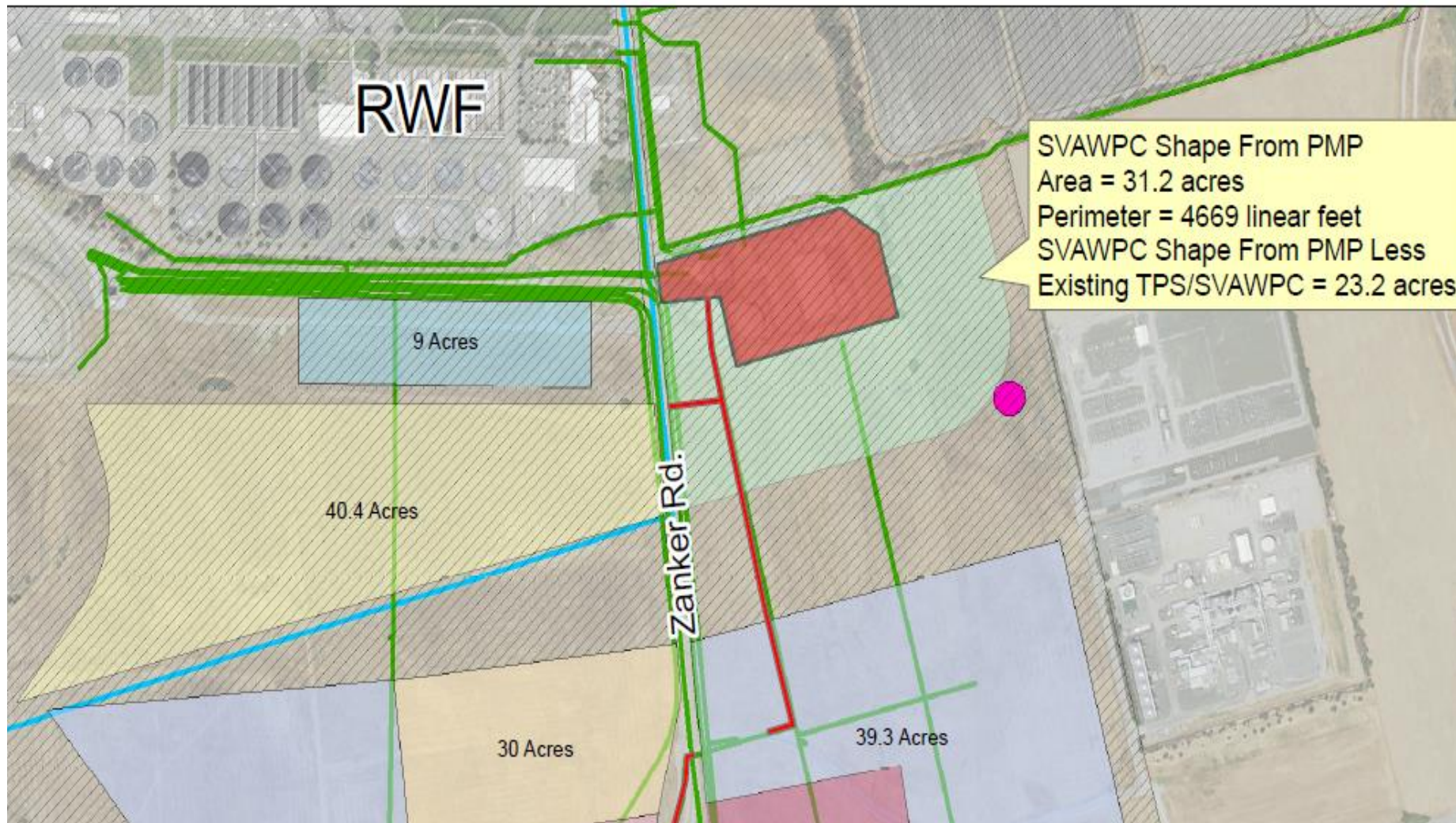
4.4-C. Private Activity Analysis

Issue: If private entities benefit from potable reuse, will City's tax-exempt bond status be impacted?

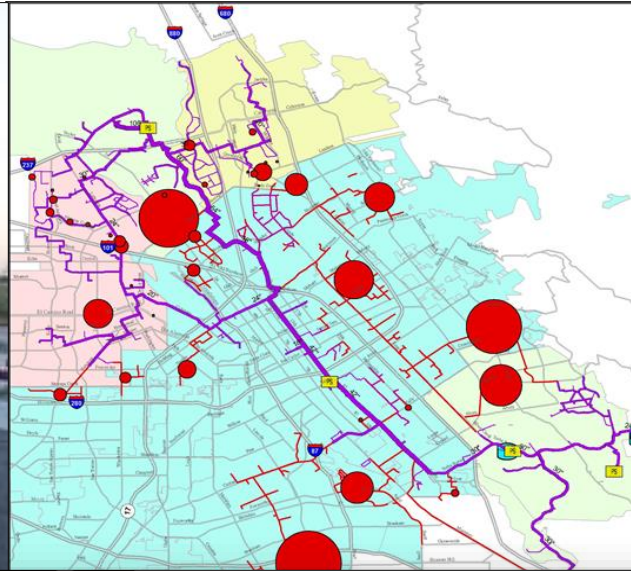
Status:

- Scenario #1 (Indirect Potable Reuse) → Minimal tax impacts
- Scenario #2 (Direct Potable Reuse):
 - District evaluating technical/economic feasibility
 - Legal analysis initiated

4.4-D. Land



4.4-E. Availability of Increased Recycled Water Supplies



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Committee: JRWPAC
Meeting Date: 04/20/17
Agenda Item No.: 5
Unclassified Manager: Garth Hall
Email: ghall@valleywater.org

COMMITTEE AGENDA MEMO

SUBJECT: Review Committee Workplan and Meeting Schedule

RECOMMENDED ACTION:

Review the Committee work plan to guide the Committee's discussions and review the meeting schedule.

SUMMARY:

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 with respect to policy matters relating to the production, distribution and use of recycled water from facilities under administration by these agencies.

BACKGROUND:

Per the City and District Integration Agreement, the Committee will tender its advice to the District's Board of Directors and the City of San Jose's City Council, with respect to policy matters relating to the production, distribution and use of recycled water from facilities under administration by these agencies.

ATTACHMENT(S):

Attachment 1: Joint Recycled Water Policy Advisory Committee 2017 Work Plan



2017 Work Plan: Joint Recycled Water Policy Advisory Committee
City of San José/SCVWD/City of Santa Clara-TPAC

Update: April 2017

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 with respect to policy matters relating to the production, distribution and use of recycled water from facilities under administration by these agencies.

ITEM	WORK PLAN ITEM	MEETING	Recommendation	Action Item Outcome/Next Steps
1	Election of Chair for 2017	April 20	Elect a chair of the Joint Recycled Water Policy Advisory Committee.	
2	Discuss Roles and Responsibilities of the Joint Recycled Water Policy Advisory Committee.	April 20	Discuss and decide next steps	
3	Proposed Operation and Maintenance Budgets FY 17-18. A. Silicon Valley Advanced Water Purification Center Budget B. South Bay Water Recycling Budget	April 20	Receive and discuss Silicon Valley Advanced Water Purification Center and South Bay Water Recycling operations and maintenance status and operational budgets.	



**2017 Work Plan: Joint Recycled Water Policy Advisory Committee
City of San José/SCVWD/City of Santa Clara-TPAC**

Update: April 2017

ITEM	WORK PLAN ITEM	MEETING	Recommendation	Action Item Outcome/Next Steps
4	<p>Receive Information Regarding the City of San José/City of Santa Clara/SCVWD Ongoing Collaboration on Non-Potable and Potable Reuse Efforts.</p> <p>A. Key items being coordinated:</p> <ul style="list-style-type: none"> a. Reverse Osmosis Concentrate Management b. Future wastewater availability, uses, and flows to Bay c. Private activity analysis d. Land e. Availability of increased recycled water supplies 	April 20	Receive information and discuss next steps on non-potable and potable reuse efforts.	
5	<p>Review Committee Workplan and Meeting Schedule.</p>	April 20	Review Committee Workplan and Meeting Schedule.	