

January 22, 2016

**TO: SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM,
INDEPENDENT MONITORING COMMITTEE**

Jurisdiction

District 1
District 2

District 3
District 4

District 5

District 6

District 7

Chair Appointment

Member

Julie Hutcheson
Marc Klemencic
Kathleen Sutherland
Tony Santos
Debbie Cauble
Hon. Joe Head
Bill Hoeft
Eileen McLaughlin
Hon. Patrick Kwok
Hon. Dan McCorquodale
Tess Byler
Kit Gordon
Jimmy Nguyen

The Safe, Clean Water and Natural Flood Protection Program, Independent Monitoring Committee meeting is scheduled to be held on **Wednesday, January 27, 2016, at 4:00 p.m.**, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California. Dinner will be served.

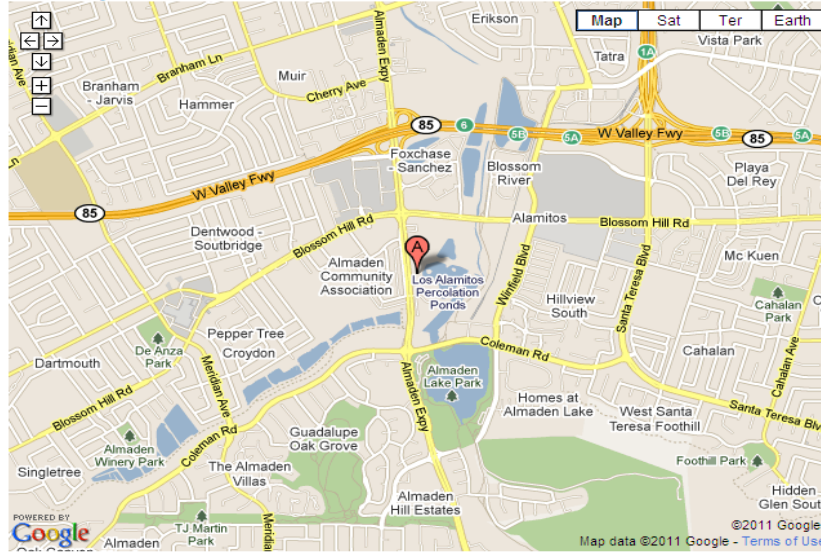
Enclosed are the meeting agenda and corresponding materials. Please bring this packet with you to the meeting. Additional copies of this meeting packet are available on-line at <http://www.valleywater.org/SCWIMCmeetings.aspx>.

Please confirm your attendance by contacting Glenna Brambill at 1-408-630-2408, or gbrambill@valleywater.org.

Enclosures



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



From Oakland:

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

From Morgan Hill/Gilroy:

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

From Sunnyvale:

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

From San Francisco:

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

From Downtown San Jose:

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

From Walnut Creek, Concord and East Bay areas:

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

**Committee Officers**

Kathy Sutherland, Committee Chair
Patrick Kwok, Committee Vice Chair

Board Representative

Gary Kremen, Board Representative

AGENDA

Safe, Clean Water and Natural Flood Protection Program (SCW)
Independent Monitoring Committee

WEDNESDAY, JANUARY 27, 2016

4:00 p.m. – 7:00 p.m.

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

1. Call to Order (Chair Sutherland)
2. Roll Call (Committee Liaison)
3. Time Open for Public Comment on Any Item Not on Agenda
4. Approval of Minutes – December 2, 2015, meeting
5. Planning Grants Update (Sarah Young)
6. Outcome of Subcommittee Meetings (Subcommittee Chairs)
7. Next Steps
 - a. Updated Schedule
 - b. Draft Report 2 (Next Meeting)
8. Review and Clarification of Action Items (Committee Liaison)
9. Adjourn

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SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM
INDEPENDENT MONITORING COMMITTEE

DRAFT MINUTES

WEDNESDAY, DECEMBER 2, 2015

(Paragraph numbers coincide with agenda item numbers)

A regularly scheduled meeting of the Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee was held on December 2, 2015, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California.

1. CALL TO ORDER

Chair Ms. Kathleen Sutherland called the meeting to order at 4:04 p.m.

2. ROLL CALL

Quorum was established with the following:

Members in attendance were:

<u>Jurisdiction</u>	<u>Representative</u>	<u>Representative</u>
District 1	Julie Hutcheson*	
District 2	Marc Klemencic*	Kathleen Sutherland
District 3	Lonnie Gross	
District 4	Debra Cauble	Hon. Joe Head
District 5	Bill Hoeft	Eileen McLaughlin
District 6	Hon. Dan McCorquodale	Hon. Patrick Kwok
District 7	Tess Byler	Kit Gordon
Current Board Chair	Jimmy Nguyen*	
Appointment		

Members not in attendance were:

<u>Jurisdiction</u>	<u>Representative</u>
District 3	Tony Santos

*Committee Members arrived as indicated below.

No Board members were in attendance.

Staff members in attendance were: Glenna Brambill, Debra Caldon, Jessica Collins, Shree Dharasker, Chris Elias, Juan Ledesma, Liang Lee, Katherine Oven, Melanie Richardson, Marynka Rojas, Jose Villarreal and Sarah Young.

3. PUBLIC COMMENT

Mr. Richard McMurtry of the Santa Clara County Creeks Coalition spoke on the homeless encampment issues.

Mr. Jose Villareal, District staff, invited the Committee to the District's ribbon cutting ceremony for the Stevens Creek-Evelyn Bridge Fish Passage Project on Thursday, December 10, 2015, from 10:00 a.m. to 11:00 a.m.

*Ms. Julie Hutcheson arrived at 4:07 p.m. and Mr. Marc Klemencic arrived at 4:12 p.m.

4. APPROVAL OF MINUTES

It was moved by Ms. Tess Byler, and seconded by Ms. Julie Hutcheson, and unanimously voted to approve the minutes of the June 10, 2015, Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee meeting, with one correction, removing Ms. Kit Gordon's name under not in attendance.

*Mr. Jimmy Nguyen arrived at 4:13 p.m.

5. CHANGE MANAGEMENT PROCESS

Ms. Jessica Collins reviewed the change management process as outlined in the agenda. Ms. Katherine Oven was available to answer questions.

6. REGULATORY PERMITTING UPDATE

Ms. Melanie Richardson presented the Committee with an update on the regulatory permitting as outlined in the agenda. There was a handout of the Legislative Guiding Principles distributed to the members.

Mr. Richard McMurtry of the Santa Clara County Creeks Coalition spoke on this agenda item.

7. VALLEY HABITAT PLAN

Ms. Debra Caldon introduced Mr. Edmund Sullivan, Executive Officer from Santa Clara Valley Habitat Agency, who presented the Committee with an update on the Valley Habitat Plan as outlined in the agenda. There was a handout distributed to the members.

Hon. Dan McCorquodale left the meeting at 5:57 p.m. and did not return.

8. GRANTS

Ms. Sarah Young presented the Committee with an update on the grants as outlined in the agenda. Mr. Liang Lee was available to answer questions.

Mr. Richard McMurtry of the Santa Clara County Creeks Coalition spoke on this agenda item.

It was moved by Ms. Kit Gordon, seconded by Hon. Patrick Kwok and carried by majority vote with a no vote by Ms. Debra Cauble, to approve adding the review of planning grants to the next available meeting.

9. REVIEW AND ESTABLISH COMMITTEE'S AUDIT REPORT 2 SCHEDULE AND STRUCTURE

Chairperson Kathy Sutherland reviewed the proposed schedule. The Committee agreed by consensus to retain the subcommittee structure from last year and schedule the meetings as soon as possible.

Ms. Jessica Collins and Ms. Melanie Richardson were available to answer questions.

10. 2016 COMMITTEE CHAIR AND VICE CHAIR ELECTIONS

It was moved by Ms. Tess Byler, seconded by Ms. Debra Cauble to nominate Ms. Kathy Sutherland as 2016 Chair. It was moved by Ms. Kathy Sutherland, seconded by Ms. Debra Cauble to nominate Hon. Patrick Kwok as 2016 Vice Chair. The motions were unanimously carried to elect Ms. Kathy Sutherland and Hon. Patrick Kwok as the 2016 Committee Chair and Vice Chair respectively.

11. NEXT STEPS

Chairperson Sutherland wrapped up the meeting stating the subcommittee meetings will be scheduled in early January.

12. REVIEW AND CLARIFICATION OF ACTION ITEMS

Ms. Glenna Brambill reported there was one action item for consideration.

13. ADJOURNMENT

Chair Sutherland adjourned the meeting at 6:27 p.m.

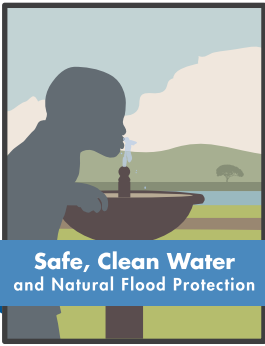
Glenna Brambill
Office of the Clerk of the Board

Approved:

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Handouts

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Subcommittee Meeting Notes

Priority A Ensure a Safe, Reliable Water Supply



Projects under Priority A will upgrade aging water transmission systems to increase pipeline capacity and reduce the risk of water outages. The priority also provides grants to develop future conservation programs, helps local schools fulfill state mandates for drinking water availability, and provides rebates on nitrate removal systems to improve water quality and safety for private well users.

Priority A Subcommittee:

Hon. Patrick Kwok, Chair – present
Hon. Joe Head – present
Hon. Dan McCorquodale – present
Bill Hoeft – present
Kathy Sutherland (IMC Chair) – present

District Staff in Attendance:

Ngoc Nguyen – Safe, Clean Water Implementation
Jessica Collins – IMC Liaison/Note taker
Katherine Oven – Deputy WU Capital A1, A3
Victor Gutierrez – A1
Jerry DeLaPiedra – A2
Jose Villarreal – A2
Vanessa DeLaPiedra/Henry Barrientos – A2

Project Overview

► Project A1 Main Avenue and Madrone Pipelines Restoration	ON TARGET
► Project A2 Safe, Clean Water Partnerships and Grants	ON TARGET
► Project A3 Pipeline Reliability Project	SCHEDULED TO START FY25

Project Review

Project A1

Main Avenue and Madrone Pipelines Restoration

ON TARGET

Question/Comment 1:

How does this project affect delivery of imported water to treatment plants?

Staff Response:

This project will re-establish the pipeline connection to the Anderson Dam outlet; thus, imported water conveyed via the Santa Clara Conduit will no longer be the only source of recharge water to the Main Avenue Ponds and Madrone Channel. This flexibility will maximize the delivery of imported water to treatment plants.

Question/Comment 2:

Is it more than 30% design?

Staff Response:

A substantial portion of the 30% design was completed in FY15.

Project Review (A1) Cont...

Question/Comment 3:

Do we need more land?

Staff Response:

We may be increasing some right of way widths, but most of the pipeline replacement will require the usual temporary construction easements.

Question/Comment 4:

Are there any difficulties with getting the permit?

Staff Response:

We expect to acquire the necessary permits.

Question/Comment 5:

You need a streambed alteration permit?

Staff Response:

Yes, because the Madrone pipeline will tie into the Madrone Channel.

Question/Comment 6:

The cost was projected at \$5.4M, but the inflated amount went up to \$8.3M. Why did it increase so much in such a short time?

Staff Response:

Capital staff had originally estimated the project cost at \$8M, but something was lost in translation with staff responsible for development of the Safe Clean Water Program documents. The project cost was incorrectly stated as \$5.4M in these documents.

Question/Comment 7:

I think we need a little further estimation and some write up explaining the increase in cost estimate.

Staff Response:

We can certainly put an explanation in the next year's report for clarification.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. Recommended including a more detailed explanation of the increase in the cost estimate.

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Water Conservation Grant Program**Question/Comment 1:**

I'm wondering if there should be a page in the appendix to show what the projects are.

Staff Response:

Yes, we can include a table in the report. SJW Co. - One project was to give customers real time water use data to show them what they used that day or that hour. They also got a grant for new meters which will help them identify smaller leaks. BKI – Grant to partner w/local businesses to do an educational program where they set up competitions among the employees of different businesses to save water. They had a pretty good response/participation rate and water savings. Small farm/grower – testing a closed loop hydroponic system that recaptures the water and reuses it for other plants/crops. City of Morgan Hill to test a new sub-surface drip irrigation system. It can potentially reduce water use by up to 70% for turf.

Follow-up Response:

Below is a table of FY15 grants that were awarded. Moving forward, staff will include a similar table for each fiscal year grant cycle.

Table A2.1 Water Conservation Grants

Grantee	Project	Description	Awarded
Bevilacqua-Knight, Inc.	Employee Rewards for Water and Energy Savings Program	Partnering with large corporate employers in Santa Clara County for outreach to educate employees on water efficiency and conservation in their homes through an employee rewards program.	\$50,000
San Jose Water Company	Advanced Metering Infrastructure (AMI) Residential Pilot Program	Evaluate advance metering infrastructure (AMI) system for single family residential customers - Willow Glen area. Evaluate conservation benefits of AMI cellular network technical system. Transmit data via existing cell network. Provide real time data and leak detection to customers and utility staff.	\$50,000
San Jose Water Company	Advanced Metering Residential Pilot Program	Research to evaluate water saving potential from using new class - advanced water meters (ultrasonic E-Series from Badger Meter Inc.) for single family residential customers in the San Jose Water Company service area - Willow Glen.	\$50,000
City of Morgan Hill	Experimental Turf Irrigation Technology Evaluation at Morgan Hill Aquatics Center	Test KISSS, a new lawn irrigation technology system, on two lawn areas near swimming pool on Morgan Hill facility. This pilot project will be designed specifically to test the technology with experimental and control areas of turf.	\$48,500
Deal Closet LLC DBA Bay Area Fresh	Low Cost Hydroponics for Cost Effective Growth of Leafy Vegetables	Study efficiency of using farm wastewater for commercial growth of leafy vegetable crops through a hydroponic system in Santa Clara County. Method used captures wastewater from commercial NFT hydroponic system and recycles it into another hydroponic method, a Kratky's method that requires no pumps or additional nutrients beyond those initially applied.	\$25,000
TOTAL			\$223,500

Project Review (A2) Cont...

Question/Comment 2:

How many total applications received?

Staff Response:

10 applications with 5 grants awarded to 4 recipients, both non-profit and profit.

Question/Comment 3:

How do you measure the effectiveness of the program?

Staff Response:

Each grantee has to submit a report at the end of their grant period to show the results, which helps us determine if we want to use the technology moving forward. The idea of the pilot study is to prove what the actual savings are.

Question/Comment 4:

What type of outreach did you do to increase the # of grant applicants?

Staff Response:

The increase was more than likely due to opening it up to for-profit companies (as well as non-profits and schools) and the increase in grant money available.

Question/Comment 5:

There were no repeat awardees?

Staff Response:

For year 2 there were no repeat awardees, but we're looking for good ideas, so we don't want to restrict the applicants who have already applied.

Question/Comment 6:

On p. 9 under benefits, will you meet or exceed the conservation goal of 98,500 acre-feet per year by 2030. Will you meet or exceed? May want to consider changing the language to "meet or exceed".

Staff Response:

We should be able to exceed it, but we can explore changing that through our Change Management Process.

Hydration Station Grant Program

Question/Comment 1:

Are the grants spread throughout the county?

Staff Response:

Yes, they are spread out throughout the county. We work with First Five to do outreach.

Question/Comment 2:

For the schools who didn't get the grant was it because they weren't qualified or the program reached its limit?

Staff Response:

The program reached its limit, but they can apply in the next grant year. We also tried to select schools that didn't already have a hydration station as opposed to giving grants to schools that already have one.

Project Review (A2) Cont...

Hydration Station Grant Program cont...

Question/Comment 3:

Has it been well received?

Staff Response:

Yes, it has. The first year, First Five had a lot of requirements in place, which limited participation, but in Year 2 we removed those restrictions and we saw a big increase in participation.

Question/Comment 4:

Will you do something to inform the public of program's good work?

Staff Response:

We'll do something to make the public aware.

Question/Comment 5:

When you say 42 schools are those individual schools or districts?

Staff Response:

Individual schools.

Nitrate Treatment System Rebate Program

Question/Comment 1:

You did try to increase the rebate from \$200 to \$500. It seems that \$500 is a good rebate, but why don't they want to take the money?

Staff Response:

We put out a survey to find out if the financial incentives are not enough. We tried to increase the financial incentive enough to increase the participation. From the survey results that we saw, we found that many people aren't using the water for drinking water or that they already have a treatment system in their home. We compare this to a similar program who offered to give the whole system and install it for free and they still only saw 2% participation.

Question/Comment 2:

Are we running into the same problem in FY16?

Staff Response:

Possibly. We are working with the County Department of Health and promoting the program more actively in stores where they sell these systems.

Question/Comment 3:

Have you spread the word around the Ag committee?

Staff Response:

It would only be applicable if those farmers also have domestic wells. We can reach out to them though. We are reaching out to San Martin neighborhood groups as well.

Question/Comment 4:

How is the nitrate level doing in the water? Is the presence in the water still high?

Staff Response:

Most of the wells that we look at are either stable or declining. Even areas that might be stable, might be stable at a higher level.

Project Review (A2) Cont...

Nitrate Treatment System Rebate Program cont...

Question/Comment 5:

Who does the testing and how often do you test? Is it random or do you go to the same well every year?

Staff Response:

For our regional ambient monitoring we go to the same wells every year. We also have a domestic testing program where we offer sampling and we test about 300 wells a year. The RWQCB has new requirements for agriculture that requires farmers to also sample domestic wells. So we utilize that data as well to get as complete a picture as possible.

Question/Comment 6:

Most of these places are in South County right?

Staff Response:

Yes, most are in South County, but the program is open to North County as well.

Question/Comment 7:

What do you see for the long-term of this project? Does staff have a sense of where to go with it?

Staff Response:

There are resources that we have to put in that are exceeding the amount of rebates that are being given. So, if we can't increase participation that is a concern long-term.

Question/Comment 8:

If we wanted to do away with this program how would we do that and would it make sense to wait a couple of years?

Staff Response:

At the 5th year the IMC is supposed to make recommendations like that to the board, so it might make sense to wait until then and be able to show the five year data.

Question/Comment 9:

I don't know if we're ready to make that recommendation yet. We need to give it another year to see. I think the five year mark is a good one and every year will bring awareness to the board.

Staff Response:

No response.

Question/Comment 10:

What is the budget?

Staff Response:

For the 15-year program it is \$702K.

Question/Comment 11:

How much did you spend last year?

Staff Response:

In FY15, approximately \$24K in staff time to do the outreach and develop the program and \$1K in rebates.

Project Review (A2) Cont...

Nitrate Treatment System Rebate Program cont...

Question/Comment 12:

Given that costs will be incurred each year and participation may continue to be very low, do we want to wait until the 5th year to consider doing away with the program?

Staff Response:

Regardless of participation, there are program costs that will be incurred each year for outreach, application review, and inspection of installed systems. We are working to increase participation, but this is a voluntary program and there may not be significant interest or demand.

Question/Comment 13:

Explain the need for the program?

Staff Response:

There is high nitrate out there in some areas and thousands of people with domestic wells. We don't know if they are drinking that water. When our testing indicates high nitrate in a domestic well, we call them to let them know. The health concerns related to nitrate mostly affect infants and pregnant women, so for people without households that don't include those affected groups, there may be a low incentive to participate in the rebate program.

Question/Comment 14:

Does the community you're trying to serve see this as a value?

Staff Response:

When we meet with the neighborhood alliance that will be a good opportunity to test that. Hopefully we will generate word of mouth about the program. We're trying to connect with the County Public Health Department to look for opportunities.

Sub-Committee Assessment/Recommendation:

Overall, this project was deemed On-Target.

Water Conservation Grant Program

Recommend including a table in the report showing the fiscal year grant recipients.

Hydration Station Grant Program

No recommendations.

Nitrate Treatment System Rebate Program

Requested staff include an update on what the community's reaction was from the neighborhood alliance in San Martin at the next IMC meeting. IMC is considering when and if it should recommended non-implementation of the Nitrate Treatment System Rebate Program.

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Project A3

Pipeline Reliability Project

SCHEDULED TO START
FY25

Question/Comment 1:

How did we decide this should be something that was done so far out?

Staff Response:

It is the way the Program was developed; the timing of this project was likely based on available Safe Clean Water Program funding.

Question/Comment 2:

When would you have liked to start?

Staff Response:

That discussion has not been held in the Water Utility. At this time, Capital staff are fully assigned to other capital projects that are in design or construction, but within 2-3 years there may be staff capacity to initiate this work.

Question/Comment 3:

Operationally is there a need for this sooner?

Staff Response:

Operationally, the system works as it was designed and constructed over the past 50 years. The purpose of Project A3 is to allow the District to isolate segments of large-diameter transmission pipelines in the event of a catastrophic earthquake that could severely damage or break these pipelines.

Question/Comment 4:

So how do these valves interact with the work you're talking about?

Staff Response:

The installation of these valves is not directly associated with the ongoing program of pipeline inspection and rehabilitation that the District has been undertaking for the past four years and will continue over the next 10 years. These valves are an extra level of operational flexibility that will allow us to isolate sections of the system in the event of a major pipe break.

Question/Comment 5:

Could these valves be installed during your 10-year program?

Staff Response:

The valves in this project will be installed on large-diameter pipes. and time and effort are required to design and manufacture each valve to fit properly in the existing pipeline. In addition, land acquisition would be necessary to build a vault for installation and O&M access to these valves. As stated earlier, staff resources are not available at this time to undertake all this work effort as part of the pipeline inspection and rehabilitation work.

Question/Comment 6:

If you have an earthquake will this schedule be moved up?

Staff Response:

If an earthquake occurs that results in one or more pipeline breaks in the District's transmission system, the District would replace the broken pipeline as quickly as possible to restore services. Replacement of damaged pipe would be done in a matter of weeks or months, and would not wait for the necessary design and manufacture of these large-diameter valves for installation at the time of pipeline repair. A change in the timing of Project A3 would depend on available funding in the SCW, and availability of staff resources to manage the design and construction work.

Project Review (A3) Cont...

Question/Comment 7:

How were these four sites selected?

Staff Response:

Staff evaluated the District's pipeline transmission system and identified the locations where valves would reduce the loss of water and impact to the system.

Sub-Committee Assessment/Recommendation:

This project is scheduled to start in FY2025. Recommendation: Since the KPI says construction is the goal then construction should be on the schedule. Would like to see the updated schedule in the next year's report.

General Comments:

Question/Comment 1: Would like to have a discussion on recommendations for the Nitrate Rebate Program as a larger group. Have staff give a brief presentation to the group as a whole.

Question/Comment 2: It would be nice to compare the first year w/second year to show we are making progress. Introducing a chart or table to show the trend in participation. Grants that were awarded as well.

Question/Comment 3: For next year's report we should also show whether the confidence level changes as well.

Three things relating to confidence levels:

- Permits
- Funding
- Schedule

Question/Comment 4: In each financial information table include column for spent to date and remaining over 15-yr Program.

Question/Comment 5: In Appendix A2 at the bottom there is a line for "Currently Authorized Projects". What is the \$188M for?

Staff Response:

Staff confirmed that this is for the capital reserves for currently authorized projects.



Safe, Clean Water
and Natural Flood Protection

Subcommittee Meeting Notes

Priority B Reduce Toxins, Hazards, and Contaminants in Our Waterways



Projects under Priority B use multiple strategies to reduce and remove contaminants in our local creeks, streams and bay. In addition to mercury treatment systems in our reservoirs, projects under this priority also prevent toxins from entering waterways by working with municipalities and other agencies to reduce runoff pollution. The District also provides grants to reduce emerging contaminants and supports public education and volunteer cleanup efforts. Additional projects include coordinated cleanup of illegal encampments near waterways, trash and graffiti removal, and rapid emergency response to hazardous materials spills.

Priority B Subcommittee:

Hon. Patrick Kwok, Chair – absent

Eileen McLaughlin – present

Julie Hutcheson – present

Marc Klemencic – present

Also in attendance:

Kathy Sutherland (IMC Chair)

Dan McQuorqudale

District Staff in Attendance:

Ngoc Nguyen – Safe, Clean Water Implementation

Jessica Collins – IMC Liaison/Note taker

Chris Elias – Deputy WS Operations & Maintenance

Liang Lee – Deputy WS Stewardship & Planning

John McHugh – B1

Brett Calhoun – B1, B2

Sarah Young – B3, B7

Chad Grande – B4, B6

Paul Thomas – B5

Jose Villarreal – B7

Project Overview

▶ Project B1 Impaired Water Bodies Improvement	ON TARGET
▶ Project B2 Interagency Urban Runoff Program	ON TARGET
▶ Project B3 Pollution Prevention Partnership and Grants	ON TARGET
▶ Project B4 Good Neighbor Program: Illegal Encampment Cleanup	ON TARGET
▶ Project B5 Hazardous Materials Management and Response	ON TARGET
▶ Project B6 Good Neighbor Program: Remove Graffiti and Litter	ON TARGET
▶ Project B7 Support Volunteer Cleanup Efforts and Education	ON TARGET

Project Review

Project B1

Impaired Water Bodies Improvement

ON TARGET

Question/Comment 1:

The maps we are generating, where are they located and are they available to be shared with other agencies for internal planning purposes?

Staff Response:

One of the challenges we're trying to address with these maps is to present the maps electronically as live documents to maintain control of the data to ensure that it is up-to-date. The data would be captured in the GIS layer and contained. If in the future, we look at sites with the NGO we could send staff/intern out with them to use the YUMA so that we can maintain control over the data. We want data to be live. A YUMA is a GPS device with robust technology that allows us to capture data and pinpoint locations in the GIS map.

Project Review (B1) cont...

Question/Comment 2:

Following up on the RWQCB's expectations, are there other things that they've set as priorities other than the hotspots?

Staff Response:

For pollutants of concern, the trash hot spots are part of the NPDS permit program. The other priorities are captured in a 303D listing, which they set the hierarchy for, which means more study needs to be done. Once more study has been done they will establish a TMDL, which is usually developed by the water board in conjunction with the recipients of the TMDL. TMDL language on trash hot spots was used in the 303D permit to get the process working faster, because to go through the TMDL process takes a long time. Co-permittees have agreed that trash is an issue and to move forward on the cleanup of it. We collect and count the trash and can profile what kind of trash we're getting. So, in certain areas, we've been able to document the reduction of plastic bags. We are seeking help from the RWQCB to seek higher return value on recyclables to help get them out of the creek.

Question/Comment 3:

What is the tie to project D4, with methyl mercury?

Staff Response:

On Lake Almaden we're able to control the methyl mercury to some degree with oxygenators (?). The deep levels in the lake create really poor water quality. It is a real water quality challenge. Years ago when the creek separation project began, B1 staff was asked for our opinion, staff said take the lake out and restore the creek. There was a public outcry to keep the lake. Still, for water quality purposes the lake should be removed and made into a creek.

Question/Comment 4:

Drought impacts on sampling section (3rd paragraph) referencing continuous oxygenation may be effective. Can you expand on the sentence? Trying to understand continuous v. seasonal operation of the oxygenation system.

Staff Response:

The three reservoirs related to Mercury reduction, Almaden, Guadalupe and Calero. In the winter months, the methylation isn't as great, so we don't really need to run the oxygenation systems. The oxygenation systems run through spring, summer and fall with the goal of reducing the methyl mercury in the reservoirs. The plan is to run it through October, but we may run it later or start it sooner. There are periods where we have to maintain the equipment.

Question/Comment 5:

If we're running the systems more are there more labor costs or operational and maintenance costs associated with this?

Staff Response:

We are developing a report on the costs associated with operating the systems and are exploring the level of staff labor to support the systems. Expanding the operating periods will increase the costs across the board, including energy costs.

Question/Comment 6:

Will the budget be impacted?

Staff Response:

Staff believes that this project budget can absorb these costs.

Project Review (B1) cont...

Question/Comment 7:

The 1.5ng/l is the TMDL that will achieve the outcome of benefitting the fish. You've been able to show that you can meet the TMDL, which is really good data. The KPI's are more process KPI's rather than outcome KPI's. Can we do the same thing with trash? Can we measure trash and report on how it's improving? Is there an outcome measure that we can report here?

Staff Response:

Trash quantity is not part of B1. B4 tracks trash. The trash removed from hotspots totals 24 cubic yards. It's really more of an assessment of what kinds of trash we're seeing to study.

Question/Comment 8:

Are you linking the maps in with the CRAM assessment?

Staff Response:

Trash maps are a pilot right now. We haven't settled in on the frequency yet. There are several elements involved. There's the trash hot spot MRP limit (city limit), which is part of B2. Then there are the homeless encampments (B4). For trash cleanup, we now have grants being given to NGO's and working with the cities and county for trash cleanup. With all of these efforts under Safe, Clean Water we are asking if it is really successful, are we achieving our goal, is trash being reduced? B1 is trying to address and study that.

Question/Comment 9:

Can we report quantitative data on trash in the same way we do for Mercury?

Staff Response:

We will report quantitative data in B4.

Question/Comment 10:

Are any other issues identified by RWQCB on 303D list that need attention?

Staff Response:

In SCC there are more than 23 items that are considered contaminants of great concern. For instance, herbicides and pesticides are made illegal in California and then a new one is developed and has to go through the 5-year process of being banned. Trash is a very big topic right now because it's visible. Copper is still an issue. We've triaged some things. Pathogens have TMDLs. TMDLs for e coli and enterococci are coming. PCDs are unhealthy, like mercury, in small concentrations, but are very hard to address but have big health effects.

Question/Comment 11:

If drought is limiting our ability to collect and monitor samples have we worked with RWQCB to communicate that and determine how to gather data?

Staff Response:

RWQCB is understanding of the challenges and the human safety issues associated with launching the boats. WS staff is working closely with WU on launching boats and water levels to allow sampling to occur. (Liang Lee) The fundamental problem is we need to reduce the inflow of mercury into the reservoirs. Cutting out the source, working with the county and RWQCB to achieve that is the goal.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendation to IMC, but accepted staff offer to present trash maps to subcommittee during FY2016 review.

Project B2

Interagency Urban Runoff Program

ON TARGET

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.

Project B3

Pollution Prevention Partnership and Grants

ON TARGET

Question/Comment 1:

Green Business Program has been around for quite a while. In here, we're saying we've developed that partnership. Has something changed?

Staff Response:

When we first funded them, we were just extending the existing agreement (\$40K) to bridge them so they can compete in the next round of grants. They were advised to compete and were successful. The agreement is being re-scoped this year.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.

Project B4

Good Neighbor Program: Illegal Encampment Cleanup

ON TARGET

Question/Comment 1:

Graph on p. 27 if you add up 52×15 years = 780

Staff Response:

Demand far exceeds the goal. It will become a funding issue at the 5-year point. Staff will bring an update to the Board on Jan. 26 to inform them that the cost is much higher than anticipated. There are multiple factors to this.

Question/Comment 2:

Did the expectation come to light in last year's discussion with the IMC?

Staff Response:

It wasn't discussed last year, but it came to light in FY15.

Question/Comment 3:

Mapping the outcomes of trash removed. You're measuring how much you're removing, not how much is in the creek?

Staff Response:

This is relevant only to homeless encampment.

Project Review (B4) cont...

Question/Comment 4:

Have you seen any benefit from the ranger? Would more funding to the park ranger program help?

Staff Response:

Our contribution to the rangers and partnership with them, we have seen benefit to that. Yes, the park ranger program is helping a lot. What we've noticed is that it takes a lot of effort to keep the area from getting reoccupied. The rangers help to keep the sites clean by patrolling for re-encampments. The other thing we're also looking at right now is a similar agreement with CDFW wardens. We've also opened up discussions with the Sheriff's office to see if we can get support from her department.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. Sub-Committee agrees with status and recommends:

- Funding trajectory should be discussed with full IMC
- FY2016 project report should include comment on funding trajectory
- FY2016 project report should include total amount of trash removed per year

Richard McMurtry's written/public comments were considered but the belief is that the Project was meeting its intent despite continuing challenges of recurring homeless encampments and therefore the sub-committee did not act on his request

Project B5

Hazardous Materials Management and Response

ON TARGET

Question/Comment 1:

Are there spills that are not reported until afterwards?

Staff Response:

Yes, we do encounter that. We had a spill recently that was reported to us on Monday morning, got out to the site and found out the spill had actually occurred the Thursday prior.

Question/Comment 2:

This may not fall under the project per se, but I'm wondering how well publicized this project is?

Staff Response:

A few ways that it's addressed is that it is on our internal and external web pages. It is a component of the urban runoff program and so each city has their process. It is on some of their websites as well. It has gone out on district mailers, countywide mailer.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.

Project B6

Good Neighbor Program: Remove Graffiti and Litter

ON TARGET

Question/Comment 1:

Why do we measure the trash here as cubic yards instead of in tons? Recommendation is to be consistent between projects B4 and B6.

Staff Response:

It could be the way the work orders are written or the estimates v. actuals.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. The Sub-Committee recommends:

- Ensure uniformity in litter/trash measurements: use the same system of measurement (e.g. tons) for all amounts of litter/trash given in reports whenever possible
- Include additional gauge of trash removal efforts: provide year to year amounts of litter/trash collected/removed

Project B7

Support Volunteer Cleanup Efforts and Education

ON TARGET

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.



Safe, Clean Water
and Natural Flood Protection

Subcommittee Meeting Notes

Priority C Protect our Water Supply from Earthquakes and Natural Disasters

Santa Clara Valley
Water District



Projects under Priority C include retrofitting to protect our water supply infrastructure from the impacts of natural disasters, like earthquakes. It also includes emergency flood response enhancements to improve communication between responders and help reduce damages from floods.

Priority C Subcommittee:

Bill Hoeft, Chair – present

Tess Byler – present

Debra Cauble – present

Hon. Joe Head – present

Also in attendance:

Kathy Sutherland (IMC Chair)

Project Overview

► **Project C1**
Anderson Dam Seismic Retrofit

ON TARGET

► **Project C2**
Emergency Response Upgrades

ON TARGET

District Staff in Attendance:

Ngoc Nguyen – Safe, Clean Water Implementation

Sami Buglewicz – Note taker

Liang Lee – Deputy WS Stewardship & Planning

Katherine Oven – Deputy WU Capital – C1

Jack Xu – C2

Project Review

Project C1

Anderson Dam Seismic Retrofit

ON TARGET

Question/Comment 1:

The second phase of investigations is anticipated to be complete in early FY16. Is that June or July?

Staff Response:

The Phase 2 investigations were initiated in fall 2015 and will be completed by April 2016.

Question/Comment 2:

What kind of investigations were carried out in the phases?

Staff Response:

Both phases of work involved numerous geological borings in both the upstream and downstream dam embankments and near the toe of the downstream embankment. Several trenches were also dug to allow geologists to analyze the layers of sediment for evidence of seismic activity over the millennia.

Question/Comment 3:

The drilling was done in the actual dam?

Staff Response:

Yes.

Project Review (C1) cont...

Question/Comment 4:

Were the trenches in the actual dam?

Staff Response:

No. The trenches were located primarily in undisturbed soil along the abutments on either side of the dam embankment.

Question/Comment 5:

Is the Core drilling in the dam structure and trenches adjacent to the embankments?

Staff Response:

Yes.

Question/Comment 6:

Your confidence level is "moderate" in the report?

Staff Response:

Yes. The confidence level is for meeting the project schedule (moderate).

Question/Comment 7:

When you describe the project construction will it be two projects (one upstream of dam and a second on the downstream side) or will it be one project? I assume the reservoir needs to be drained to do the construction on upstream?

Staff Response:

Yes, the reservoir must be drained for the construction work. The District plans to obtain bids for one construction project. It will be up to the contractor to determine the sequence of work.

Question/Comment 8:

The downstream retrofit though? If you split it into two projects do you gain less downtime in water retention?

Staff Response:

The plan is to hire one contractor. The contractor will decide how to sequence the various elements of project construction.

Question/Comment 9:

How are you doing on those other indicators?

Staff Response:

We held public meetings in Morgan Hill to inform residents of this project several years ago when the project was initiated. After completion of the geotechnical and geologic investigations and the determinations on the final design for the embankment, we'll hold additional public meetings to keep everyone informed.

Question/Comment 10:

Who is monitoring the progress on this project?

Staff Response:

Upper management, the CEO, the Board, the Division of Safety of Dams, and the Federal Energy Regulatory Commission.

Project Review (C1) cont...

Question/Comment 11:

What is the public perception?

Staff Response:

There have been a few letters to the editor at the SJ Mercury News in response to an article last fall about delays to this project. The article was well-written, but the headline was misleading, stating that the district is halting the project work.

Question/Comment 12:

Of the existing dam, how much of that material will be moved and how much will be untouched?

Staff Response:

We would remove part of the upstream and downstream embankment for the purposes of removing liquefiable soil at the base of the embankments to reduce liquefaction in the event of a very strong earthquake. We plan to add a buttress on both upstream and downstream embankments that would extend the embankment footprint beyond its current location.

Question/Comment 13:

What is the Program's initial \$15 million funding going to be used for?

Staff Response:

It has already been expended on the Planning Phase of the project and the Design Phase work completed to date.

Question/Comment 14:

Is there one pipe outlet?

Staff Response:

Yes. It runs through the bottom of the dam and empties into Coyote Creek.

Question/Comment 15:

You will have a tunnel in addition to the pipe?

Staff Response:

Yes. The current outlet pipe is very difficult to access. The new outlet pipe will be placed in a tunnel that can be accessed for operations and maintenance.

Question/Comment 16:

Talk about the "moderate" confidence level for the project schedule? Where are the pitfalls or drags?

Staff Response:

One issue that will have to be addressed with the National Marine Fisheries Service and State Fish and Wildlife is fish passage. Consideration of this issue was included in the Fish and Aquatic Habitat Collaborative Effort (FAHCE) settlement agreement. Obtaining the necessary permits to proceed with project construction will require reaching agreement with the resource agencies on this issue.

Question/Comment 17:

Is the confidence level referring to the KPI? Or the project? If it is related to the project then it doesn't relate to our measurements.

Staff Response:

It is related to the project schedule.

Project Review (C1) cont...

Sub-Committee Assessment/Recommendation:

Subcommittee agrees with status, but requests the following:

1. Give support for all additional investigations that we are doing and point out it is prudent and an important part of "moderate" confidence level is the unknown of how long the permit negotiations may take
2. Acknowledge that the first transfer of funding will occur in FY16 instead of FY18.
3. We would like to identify the fact that the money will be transferred in FY16.

Project C2

Emergency Response Upgrades

ON TARGET

Question/Comment 1:

For the purpose of this project, when you talk about "flooding" are we talking about water going over the banks?

Staff Response:

Yes flooding that is within our jurisdiction. We are only looking at flooding due to creek overbanking. Any creek in Santa Clara County.

Question/Comment 2:

Will that help with the computing rating system if you go above and beyond the KPI?

Staff Response:

FEMA has only 2 categories. 1st tier shows what is current. The second is additional forecasting. FEMA is very vague and work with the residents and provide messages. We are doing more on our own.

Question/Comment 3:

When you say you are at 3 of 7?

Staff Response:

Our goal is to have 1 a year. 1 to show where the water collects (in the creek) where it spills, we need to map the floodplain.

Question/Comment 4:

Is the link live?

Staff Response:

Open up to select people in surrounding partnering cities and agencies to test this out.

Question/Comment 5:

How do people get the messages?

Staff Response:

Surrounding cities will look at our website and consult with us about the level of severity of this.

Question/Comment 6:

Who is manning this?

Staff Response:

Our unit, local service in Monterey, everyone is collaborating on this. We have trigger points that dictate who mans this and how the information is disseminated.

Project Review (C2) cont...

Question/Comment 7:

What is your biggest spot?

Staff Response:

Morgan Hill. The creek is basically a ditch.

Question/Comment 8:

Is there a return on investment? You mentioned the FEMA flood insurance rates? Have there been any calculations on that?

Staff Response:

FEMA has a point system which we need to reach a higher point system.

Question/Comment 9:

The new software opportunity that is mentioned is that looking good?

Staff Response:

The challenge is that we have is the computing power. The software is not there yet (efficiency). To do this on demand quickly it is harder.

Question/Comment 10:

Who is doing the software? In-house? Consultant?

Staff Response:

USACE. The Corps is trying to update the hydrologic models this year making it more complete, flexible, and capable. This model though has not been completed yet.

Question/Comment 11:

Do you see that you would be able to adapt this to other locations after we get past the "getting used to it" phase?

Staff Response:

It depends on the topography of the creek. Some creeks are harder than others (those that interact with other creeks frequently).

Question/Comment 12:

If I lived in Morgan Hill and I had a house close to Llagas Creek how would I get a notification?

Staff Response:

If the county is able to add a flooding layer on top of their current system that would be great. Currently you need to sign up for these alerts.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.



Safe, Clean Water
and Natural Flood Protection

Subcommittee Meeting Notes

Priority D Restore Wildlife Habitat and Provide Open Space



The 8 projects under Priority D restore and protect vital wildlife habitat and provide opportunities for increased access to trails and open space. Funding for this priority pays for control of non-native, invasive plants, revegetation for native species, and maintenance of previously revegetated areas. Other projects include removal of fish barriers, improvement of steelhead habitat and stabilization of eroded creek banks.

To support these and future restoration projects the District would create a comprehensive, updated database on stream conditions countywide. The District and other agencies could then use the new information to make informed decisions on where and how to use restoration dollars so they have the greatest value for wildlife.

Priority D Subcommittee:

Eileen McLaughlin, Chair – Present
Hon. Dan McCorquodale – Absent
Julie Hutcheson – Present
Marc Klemencic – Present
Tony Santos – Absent
Kit Gordon – Present
Also in attendance:
Kathy Sutherland (IMC Chair)

District Staff in Attendance:

Ngoc Nguyen – Safe, Clean Water Implementation
Jessica Collins – IMC Liaison/Note taker
Melanie Richardson – Deputy WS Design & Construction
Chris Elias – Deputy WS Operations & Maintenance
Liang Lee – Deputy WS Stewardship & Planning
Mark Wander – D1
Lisa Porcella – D2, D5
Sarah Young – D3
Rechelle Blank – D4.1
Melissa Moore – D4.2
Afshin Rouhani – D6
Debra Caldon – D7
Pat Showalter – D8

Project Overview

▶ Project D1 Management of Revegetation Projects	ON TARGET
▶ Project D2 Revitalize Stream, Upland and Wetland Habitat	ON TARGET
▶ Project D3 Grants and Partnerships to Restore Wildlife Habitat and Provide Access to Trails	ON TARGET
▶ Project D4 Fish Habitat and Passage Improvement	ON TARGET
▶ Project D5 Ecological Data Collection and Analysis	ON TARGET
▶ Project D6 Creek Restoration and Stabilization	SCHEDULED TO START FY18
▶ Project D7 Partnerships for the Conservation of Habitat Lands	ON TARGET
▶ Project D8 South Bay Salt Ponds Restoration Partnership	ON TARGET

Project Review

Project D1

Management of Revegetation Projects

ON TARGET

Question/Comment 1:

How much are the rains helping to alleviate the issue of maintaining and managing this?

Staff Response:

It's helping significantly as in Year 1 and 2 we had to do unseasonal irrigation. Due to the drought we are deferring any new mitigation until next year so we can see where we are water wise. We negotiated that with the agencies (SMP).

Question/Comment 2:

Could El Niño flooding erase some of your work?

Staff Response:

Most of our areas are not in the flood areas, so it's not an issue.

Question/Comment 3:

Did you look at how much extra water you had to use? Did you keep track of that?

Staff Response:

Yes, we did track that. All of the irrigation we did was with reclaimed water.

Question/Comment 4:

Were any of these sites near the bay?

Staff Response:

Yes, on Coyote and Lower Guadalupe we have sites.

Question/Comment 5:

Is pumping water out of the slough a feasible option?

Staff Response:

We've done that during the past, but during the drought it's not a good approach as we're not allowing others to pump water out of streams.

Sub-Committee Assessment/Recommendation:

Subcommittee agrees with On Target status. No recommendations were made.

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Project D2

Revitalize Stream, Upland and Wetland Habitat

ON TARGET

Question/Comment 1:

Regarding updates on the website, where are the updates?

Staff Response:

SCW has a webpage with pages for each project?

Question/Comment 2:

Are there maps where this work is being done?

Staff Response:

No, but that's a good idea. We can put them up there.

Question/Comment 3:

Is there an overlap between projects D1 and D2?

Staff Response:

There is really not an overlap on the ground. Vegetation management works on mitigation sites (D1) while D2 works between and next to mitigation sites.

Question/Comment 4:

Where are the palettes (KPI #3)?

Staff Response:

They are available on the website <http://www.valleywater.org/SCW-D2.aspx>

Question/Comment 5:

KPI 3 is finished. Who will use this information and can this be presented next year so we can see it and let us know how it's being used?

Staff Response:

Staff tries to highlight this to grant applicants and the goal is for them and the public to use it. We changed the plant pallet a bit because certain plants are very susceptible to the plant pathogen. We need to get the word out better and plan to do more outreach with the county and parks. Yes, we'd like to do a presentation on that.

Question/Comment 6:

Sounds great! Sounds like you need some marketing and public outreach. How do we get hits on the website and get the word out to other federal/local agencies. It's a great product and I'd like to see it being used.

Staff Response:

No response captured.

Question/Comment 7:

Do you have the inverse plants on the pallet to show the species in the area and the food sources (plants). For instance, here's your list of species, insects, birds and mammals and links to their food/ habitat sources (plants).

Staff Response:

We don't have it set up like that, but it is possible with some work. One is set up for native riparian, marshland, etc...

Project Review (D2) cont...

Question/Comment 8:

The concern is if you're taking some plants out due to the pathogen are you making sure other plants are covering the habitat issues?

Staff Response:

Staff mentioned SCPP, which is being done as part of D5, which identifies the existing condition and how we should improve the existing conditions and how to improve connectivity.

Question/Comment 9:

The Fish and Wildlife Service is very glad to have the BMPs produced by the district and find it very valuable. Working with the State Coastal Conservancy, next to Salt Pond Restoration Project, is it mainly refuge lands or do district lands connect?

Staff Response:

SCC has expressed interest in a partnership. With a partnership we can prioritize the best approach for taking actions.

Question/Comment 10:

When will the SCPP be done?

Staff Response:

This is really a D3 question. We are preparing for them. Funds have been allocated and \$200K has been approved by the board. The key is determining which watershed to work on first. We have to do five. Watersheds that are also FAHCE watersheds have the most information, so could be the best places to start. Once we do get started with SCPP we can do them fairly quickly.

Question/Comment 11:

Are the maps referenced on p.48 for D2 or D3?

Staff Response:

They are for D2 and useful for many areas district wide, but they are done under D3.

Sub-Committee Assessment/Recommendation:

Subcommittee agrees with On Target status. No recommendations were made to the IMC but, the following requests were made:

- Subcommittee requested staff presentation on plant palette and possible users during FY16 review
- Subcommittee suggested that a matrix of the plant palette by species (animal, insect, bird) be available on the website
- Subcommittee also suggested the SMP information on website include maps

Project D3

ON TARGET

Grants and Partnerships to Restore Wildlife Habitat and Provide Access to Trails

Staff Overview:

Staff notified IMC of Feb. 23rd Board agenda item to review all partnerships and grants. Also, for the extended RFP, there is a meeting this week. There is \$760K available and the RFP is being extended.

Question/Comment 1:

Is this a review of existing grants and partnerships or the process for how they are done?

Staff Response:

Both, but the emphasis is really to look for process improvement ideas.

Question/Comment 2:

The requirements for partnerships, are they listed on the D3 website?

Staff Response:

In FY15 we have a process that was used for partnerships, but as part of the lessons learned we now use one process for grants and partnerships.

Question/Comment 3:

Will the term partnerships still continue?

Staff Response:

For years that we don't have a grant cycle, we can make the distinction.

Question/Comment 4:

The Calero grant is a great opportunity to connect the trails to the Calero Park. The Coyote Valley Learning Center, it seems like the main objective is an outdoor classroom, but it doesn't seem like funds should be used from this program for an outdoor classroom. West Valley College Trail, can you explain?

Staff Response:

We had the same concern when we first viewed the proposal for the outdoor classroom. When they first came to us it was basically an educational facility, but they augmented that to show how it connected to the creek and trails. Also, they are only requesting a portion of the total cost.

The WVC got funded quite a bit. The facilities manager engaged the campus in planning and engagement and while there were some concerns about the cost, because they are working in the campus area the cost is high.

Question/Comment 5:

Concern is spending funds on this for the classroom. If it's spent on the 6/10 of the trail that's okay.

Staff Response:

The other component is open space. So the grant is not just for trails. It's providing access to open space. Also, if you want to look at the criteria, we welcome your comments/feedback.

Question/Comment 6:

I think funds are best used, if there is an education component, that they are available to all users of the trail. That there is a multi-use aspect, if commuters are also using that trail, there is an opportunity to educate them.

Project Review (D3) cont...

Staff Response:

We want all the trails to be construction and implementation, so we only provided 20% for planning. So if we want to use the ongoing education component it has to be part of the use, not the agreement.

Question/Comment 7:

Is there funding in some other priority for education components? There is in Priority B, but not D. Was that a mistake? Also, maybe one of the tours offered to the IMC could be one of these trails. We don't want these trails to be a bike freeway, because that is not good for the creeks.

Staff Response:

The water district does support commuter trails as part of Three Creeks and Upper Penitencia Creek as part of CSC grant program. We just granted an extension for both. The criteria used then has evolved over the years. The commuter trail is a sensitive issue with the City of San Jose. They wanted a paved surface, but we didn't want to see that. We are in discussions with how to allow trails to be used for commuters.

Sub-Committee Assessment/Recommendation:

Subcommittee agrees with On Target status. No recommendations were made to the IMC but, the following notes were made:

- IMC may wish to discuss whether an educational (or other) component would be an appropriate benefit/evaluation criterion for this Project
- Per staff, IMC members are encouraged to provide input to improve grant process

Project D4

Fish Habitat and Passage Improvement

ON TARGET

Question/Comment 1:

Ogier Ponds – Is that the same facility that Richard was talking about near Metcalf?

Staff Response:

No, they are separate facilities. The 368 acre parcel is owned in fee by SCC. Richard is referring to our primary in-stream recharge facility, which is not a SCW Project.

Question/Comment 2:

Regarding Lake Almaden, some of the project is related to mercury removal, what is the cost split?

Supplemental Staff Response:

Current project efforts are being conducted with the intent of determining how to separate Alamos Creek from Almaden Lake and therefore efforts are for a creek/lake separation project. Once the creek is separated and restored, access to spawning and rearing habitat within the Guadalupe Watershed by removing the artificial instream impoundment from the commingling of Alamos Creek with Almaden Lake will be improved. The project will restore the Alamos Creek channel section and its connectivity to Guadalupe River within the footprint of Almaden Lake. Restoring Alamos Creek will improve sediment transport and restore its natural creek functions by developing a stable geomorphic channel dimension, pattern and profile. This will help to restore and maintain healthy steelhead trout populations by improving fish habitat and passage through the footprint of Almaden Lake.

Once the creek is separated from the lake, mercury related water quality issues will be addressed by capping the existing mercury and continuing with the effective source control measures. This related construction effort can be identified to be funded by the SCW priority measure B1. It is important to note, that currently, the monitoring

Project Review (D4) cont...

of the lake and the reporting out of the findings that occurs in odd years to the RWQCB for methylmercury production and levels of methylmercury in fish tissue is being conducted under SCW priority measure B1 and not D4. Therefore, staff strongly believes the cost is already being split appropriately. Additionally, I'd like to note that use of the SolarBees have significantly helped reduce the lake's methylmercury concentrations. Average methylmercury concentrations in water and fish tissue are currently at about three (2015 reporting) and seven (2012 reporting) times, respectively, the targeted site-specific mercury water quality objectives. In 2008, methylmercury exceeded the targeted water quality objectives by 1000 times or more.

Question/Comment 3:

Why was the whole area not considered? Why was the area up to the dam and percolation ponds not considered as part of the project in whole?

Supplemental Staff Response:

The Almaden Lake Project is a creek/lake separation project which is defined by the Almaden Lake footprint which correctly falls within the scope of the SCW priority D4 measure. Completion of the project will also help solve the methylmercury issues raised in the 2008 Basin Plan Amendment as discussed in the previous question. The restoration of Alamos Creek is controlled by the invert of Coleman Road Bridge (as the bridge invert is a concrete bottom and a structural element of the bridge) and the invert of Alamos Creek as it enters the park at the upstream end of Almaden Lake. Even if the project limit was extended it would yield the same restored Alamos Creek invert profile through the Almaden Lake footprint.

In regards to NMFS/NOAA's May 2014 comment letter received from Gary Stern, this letter was received through the Notice of Preparation scoping process and staff does not typically take comment letter's received during the NOP scoping process to the board for immediate discussion. As will all responses to the NOP, this letter will be addressed through the CEQA process.

Regarding the flashboard dam, it has no implications on the design of separating Alamos Creek from Almaden Lake. The only influence the dam has on the lake area is when in place it increases the water surface by approximately 5 feet in elevation. When the dam is not in place, Alamos Creek will be able to flow and function naturally. The project will restore the Alamos Creek channel section by developing a stable geomorphic channel dimension, pattern and profile to improve sediment transport, fish habitat and passage within the footprint of Almaden Lake for steelhead trout population to access spawning and rearing habitat within the Guadalupe Watershed.

We've been looking very closely at five water sources and working with water utility to ensure a project that does not impede water utilities operation. For instance, we looked at groundwater and it is not feasible. It is a counterproductive process to pump water out of our groundwater basin that we are trying to replenish a few hundred yards away from our percolation recharge ponds; in addition, existing groundwater models show a shortfall in supporting the lake's water needs and replenishing this water back into our groundwater basin. We've looked at using creek water which will require us to pursue a separate water right to divert water near Coleman Road Bridge and a NPDES discharge permit to discharge water back into the creek near the upstream end of the lake. If we didn't have the dam in place, it would be very difficult to divert enough creek water into the lake. This would then mean we'd have to pump creek water and if this were to occur at the upstream end of the lake as suggested, it would still require some type of impoundment, a pumping facility, and an area large enough and deep enough to accommodate the required fish screening facility. The creek's natural flow is approximately 3-5 cubic feet per second (cfs) which we would need all of to divert into the lake. This would leave little to no flow downstream of the impoundment. We've also looked at recycled water and this is a strong option for the lake's water source. We will fully analyze the impact of using recycled water in the lake. The project team has been analyzing potential water sources for the last year and a half. The flashboard dam has raised a lot of questions

Project Review (D4) cont...

from the environmental community, which has made us slow down and closely look at all of our water source options.

It should also be made clear that doing away with the flashboard dam has impacts to WU recharge operations, and this must be approved by WU.

Question/Comment 4:

It seems like you're framing it as though there is a choice between water for recharge and water for fish. And that it has only water utility impacts, with no impacts to fish.

Staff Response:

Part of the FAHCE project is to examine that. Another issue of the FAHCE project is the water rights. We were told that to use creek water for Almaden Lake we will have to pursue a separate water right petition that we cannot rely on the water right that is in place for diverting water into the Alamos Percolation Pond. Almaden Lake could be the Phase 1 of a long-term creek restoration with Phase 2 being how to address the reach area between Blossom Hill Road and Coleman Road. As I previously noted, restoration of Alamos Creek is controlled by the invert of Coleman Road Bridge and the invert of Alamos Creek as it enters the park at the upstream end of Almaden Lake. Whether the project limit is extended or not would yield the same restored Alamos Creek invert profile.

Question/Comment 5:

It might be good to have someone here to talk about water rights so we can better understand that.

Staff Response:

Staff agreed.

Question/Comment 6:

Doesn't Vasona provide recharge water?

Staff Response:

This is unknown by the Almaden Lake Project study team.

Question/Comment 7:

Does it require NEPA?

Staff Response:

No CEQA only, this is not a federal project.

Question/Comment 8:

Because NMFS is involved do you have to have an EIS?

Staff Response:

No, this is not a federal project and we are not preparing an EIS. However, we will require a permit from the Army Corps of Engineers which will need to comply with NEPA as part of their process.

Question/Comment 9:

The speaker talked about transparency; did the board consider the environmental when considering the project?

Staff Response:

The Water Right issue is regularly discussed as part of the FAHCE overall negotiations. Water Utility updates the board monthly on this issue, so the board is up-to-date.

Project Review (D4) cont...

Question/Comment 10:

Did the board discuss the NMFS letter?

Staff Response:

It was brought to the board, but staff can't recall the level of discussion with the board.

Question/Comment 11:

It would be the board's decision in deciding which alternative is preferred, so if they discussed that in a board meeting that would address the transparency issue.

Staff Response:

This will be brought to the board during the review of the Draft EIR.

Question/Comment 12:

D4.4 Conduct major study of all steelhead streams. Is there a report or analysis for the public?

Staff Response:

Yes, there will be a public report. The first step was to study the impacts of installing wood and gravel in urban and semi-urban environments. We are having a study conducted and developing a draft feasibility report for FY17.

Question/Comment 13:

NMFS can be better explored. Because of the federal nexus, we need to look at what is the LEDPA along with what is the preferred alternative. That's an opportunity that lies ahead as this process is not done.

Staff Response:

Once again this is not a federal project and therefore there is no federal nexus.

Question/Comment 14:

Once we get answers from staff we will review those and develop an overall recommendation that does not step out of the purview of the IMC.

Staff Response:

No response captured.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target.

- Sub-committee feels a comment on the project's scope may be appropriate

- o Would like further clarity on the Board's awareness and discussion of the concerns related to the present scope of the Project

- Sub-committee recommends IMC be given a presentation on and relationship among:

- o Water rights
- o Almaden Lake Improvements Project (creek/lake separation project)
- o Fisheries and Aquatic Habitat Collaborative Effort (FAHCE)

Project D5

Ecological Data Collection and Analysis

ON TARGET

Question/Comment 1:

How does this tie into the SCPP?

Staff Response:

These watershed evaluations are one part of the SCPP and one part of the master plan. They integrate into it, but also you can pick out reaches as well. You can go on EcoAtlas and draw a box around your evaluation site and get a CRAM assessment on that area.

Question/Comment 2:

How much will this work drive the district priorities for evaluation?

Supplemental Staff Response:

It's one piece of an evaluation matrix.

Question/Comment 4:

Are water rights also on this map?

Staff Response:

No, those are other pieces that would need to be considered.

Question/Comment 5:

Why is this so important for permitting? Will it takes months off the process?

Staff Response:

Use is being promoted by guidelines from the Corps South Pacific Division and State Water Resources Control Board Wetland and Riparian Area Protection Policy, but it is not being used by the Corps SF or Sacramento Districts, or RWQCB yet. It is supposed to be though. You can use CRAM to determine where the most appropriate place to mitigate for the watershed as a whole. The answer is not yet, but we are moving in the same direction as the resource agencies.

Question/Comment 6:

You mentioned 7 district staff are now certified in CRAM. How big of an expense/time commitment is that?

Staff Response:

One week and \$1,500 (not including labor costs).

Question/Comment 7:

Will this help us develop a scorecard to help us go back and assess environmental health of our watersheds?

Staff Response:

Yes, and that is the second KPI to go back and reassess the watersheds. We will go through these watersheds again, but it will take 6-7 years. The challenge is getting access to all of these sites. It take 2-3 months just to get permissions and that is working with Real Estate.

Question/Comment 8:

Recommend that when you do have a scorecard or a way to measure this, it would be good to get this out to the media and public to share this information. We need to market this whole program and how it's guiding better decisions by management.

Project Review (D5) cont...

Staff Response:

Staff agrees and has made some effort to present this to the public. Plan is to update the master plan every five years. To do that, the map will be updated once every five years.

Sub-Committee Assessment/Recommendation:

Sub-Committee agrees with status. No recommendation to IMC, but subcommittee suggested to staff that some other form of public notice/educational material be made available so that the success of the Project and other SCW projects is better disseminated.

Project D6

Creek Restoration and Stabilization

SCHEDULED TO START
FY18

Question/Comment 1:

How was the site selected?

Staff Response:

This came up as part of the Permanente Creek process, which has miles and miles of concrete channels. We looked to see if there was an area, where we have appropriate access, where we can try a restoration project to restore geomorphic function. We thought it was a good test case.

Question/Comment 2:

I'm wondering why you didn't select a stream with steelhead that would receive a greater benefit.

Staff Response:

We are looking for those opportunities and will be looking at other projects.

Sub-Committee Assessment/Recommendation:

This project was deemed scheduled to start in FY 18. No recommendations.

Project D7

Partnerships for the Conservation of Habitat Lands

ON TARGET

Question/Comment 1:

Has the VHA provided a priority to the district?

Staff Response:

Yes, they have a map that shows priority areas. As lands become available the management group will pursue it.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendation.

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Project D8

South Bay Salt Ponds Restoration Partnership

ON TARGET

Question/Comment 1:

Will removing sediments from our streams be a project that you anticipate going on forever?

Staff Response:

Yes, this is an ongoing project. We anticipate having to remove sediment from our streams forever.

Question/Comment 2:

Would soils from the Berryessa Creek project be candidates for Pond A8? There are areas with plumes. There was finding that soils were clean. There's a concern that there should be a double check on the soil findings, because I would hate to seem contamination at the ponds.

Supplemental Staff Response:

There are a series of tests done through the soil transfer process to safeguard against contamination. Not familiar with the Berryessa sites, but we use the protocol required by the RWQCB. There is a procedure prescribed in our SMP to resample and test the sediments before we are allowed to haul it for reuse.

Question/Comment 3:

Regarding partnership with SFBBO (San Francisco Bay Bird Observatory) on refuge lands. There are permits required to make sure replanting is appropriate. Have they been included in the pallet development?

Staff Response:

Yes, the Refuge is a part of the team and will be part of the approvals of plant pallet.

Question/Comment 4:

Is there some connection with D6 and D8? Are the places where you're getting the sediment be prioritized?

Staff Response:

The Watersheds maintenance staff keep records on where sediment needs to be removed. That would certainly be rolled into the choice.

Question/Comment 5:

So, if there is an area that has huge sedimentation do you want to minimize it or are you happy to have it for D8?

Staff Response:

No, we want to minimize it, but when sediment is removed we're happy to put it to a beneficial use at the salt ponds for restoration.

Question/Comment 6:

How does removing the sediment impact the sediment deposited at the mouths of our creeks?

Staff Response:

That's a complex geologic and philosophical question. The movement of sediment is very different from what it would have been 100 years ago because of all the urbanization that has taken place and all the land subsidence due to groundwater pumping. Urbanization has increased erosion rates and land subsidence effectively flattens the slope of the creek and causes sediment to settle out further upstream than it would have before. The district has to maintain flood protection as part of its core service, so we need to remove excess sediment. In the South Bay, we get most of our sediment from the Bay and the Bay's source is really the Sierras. Our small freshwater streams have a very small sediment supply relatively.

Project Review (D8) cont...

Question/Comment 7:

I've been hearing that we need more sedimentation at the mouth of our creeks to help with sea level rise.

Staff Response:

The SBSP is looking for dirt. Mother Nature brings in dirt through the murky waters of the south bay. When we breach the ponds, that water comes in and the dirt settles out. We are also working with USACE to implement a pilot project to deposit sediment on the mud flats. There's a number of ways we're investigating how we can bring in the necessary fill to bring the sediment we need.

Question/Comment 8:

The science symposium was mentioned. Is that online?

Staff Response:

Yes, but staff can also provide the link. It's <http://www.southbayrestoration.org/science/2015symposium/>.

The sediment, that in the past few years our SMP removed and placed in salt ponds. Where we place it is in areas where we need to build ecotone. We also realized we need to work with USFWS to maintain the levees. There are considerations that we're making. We're also finding that as the SBSP restoration project breaches the levees that there are areas where sediment is need (?) to minimize our maintenance work within the slough. One of the issues for the south bay is that Alviso is badly subsided, which means some of the poor marshes are badly subsided. So, it's a complicated picture, because there are some areas where we may never be able to bring in enough sediment.

Sub-Committee Assessment:

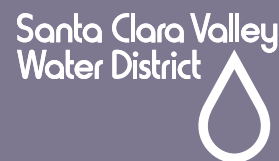
This project was deemed On-Target. No recommendations.



Safe, Clean Water
and Natural Flood Protection

Subcommittee Meeting Notes

Priority E Provide Flood Protection to Homes, Businesses, Schools and Highways



Flood protection measures under Priority E include capital construction projects, studies of flood prone areas, maintenance of existing flood protection channels and improvements to emergency planning for flood response.

Flood protection capital projects are prioritized to protect the largest number of people, homes and businesses, as well safeguard the highways, streets, public transportation and business centers that people depend on for their livelihoods. All the construction projects under Priority E are undertaken in partnership with the federal government, and will require federal funding in addition to local funding to complete the preferred scope. Should federal funding become scarce, a reduced scope would be implemented, as described in the individual project summaries contained section 3.1 of this plan.

Whenever possible, the District also leverages funds from the State, local municipalities and other stakeholders.

Priority E Subcommittee:

Bill Hoeft, Chair – present
Eileen McLaughlin – present
Tony Santos – present
Marc Klemencic – absent
Julie Hutcheson – absent

District Staff in Attendance:

Melanie Richardson – Deputy WS Design & Construction
Chris Elias – Deputy WS O&M
Jessica Collins – IMC Liaison/Note taker
Mark Wander – E1
Chad Grande – E1
Devin Mody – E1
Juan Ledesma – E2
Liang Xu – E3
Judy Nam – E4
Bill Springer – E5
Kevin Sibley – E5
Stephen Ferranti – E6
Rechelle Blank – E7
Christopher Hakes – E8

Project Overview

▶ Project E1 Vegetation Control and Sediment Removal for Flood Protection	ON TARGET
▶ Project E2 Emergency Response Planning	ON TARGET
▶ Project E3 Flood Risk Reduction Studies	ON TARGET
▶ Project E4 Upper Penitencia Creek Flood Protection Coyote Creek to Dorel Drive – San José	ADJUSTED
▶ Project E5 San Francisquito Creek Flood Protection San Francisco Bay to Middlefield Road – Palo Alto	ON TARGET
▶ Project E6 Upper Llagas Creek Flood Protection Buena Vista Avenue to Wright Avenue – Morgan Hill, San Martin, Gilroy	ADJUSTED
▶ Project E7 San Francisco Bay Shoreline Study Milpitas, Mountain View, Palo Alto, San José, Santa Clara and Sunnyvale	ON TARGET
▶ Project E8 Upper Guadalupe River Flood Protection Highway 280 to Blossom Hill Road – San José	ON TARGET

Project Review

Project E1

Vegetation Control and Sediment Removal for Flood Protection

ON TARGET

Question/Comment 1:

With the knowledge that El Niño is coming, did you do anything to Coyote Creek near Apernack (sp?) Hall?

Staff Response:

With the Stream Maintenance Program (SMP) program we have to prepare an annual Notice of Proposed Work (NPW) to regulatory agencies by April 15. Knowledge of the El Niño season came to light after the NPW was submitted. Staff is working with regulatory agencies to negotiate additional work.

Question/Comment 2:

For the project that is going to receive future maintenance is there a fund for that?

Staff Response:

As part of the Safe, Clean Water Program, approximately \$19 million is reserved for maintenance of newly improved channels.

Question/Comment 3:

Discuss updated maintenance guidelines.

Staff Response:

An effort is underway at the district to update our maintenance guidelines.

Question/Comment 4:

Maintenance guidelines are per creek, but is there a standard across the board that we apply to all creeks?

Staff Response:

There is a standard template we are applying to all of the guidelines and a schedule for which creeks will have updated guidelines. As capital complete its projects, they work with maintenance to prepare guidelines for their projects. Some of our creeks have guidelines, but we are examining to what extent and how in depth they are to guide staff and help us determine if they need to be updated.

Question/Comment 5:

E1.3 When looking at new projects, are we currently monitoring those new projects that will flag (trigger) maintenance.

Staff Response:

Each year we look at which capital projects may be completed. Work w/capital to determine what maintenance may cost. Then those dollars are earmarked for specific maintenance activities. The funds are for projects completed by the SCW program. Maintenance of projects that were completed outside of the SCW program is funded separately.

Question/Comment 6:

E1.4 Vegetation Management – Is their guidance under the D projects that might apply to the type of vegetation control and materials used?

Staff Response:

The SMP guides the work that we do. The permitting that we have takes into account the endangered species/habitat and balances the maintenance needs with habitat values.

Project Review (E1)cont...

Question/Comment 7:

E1.2 Sediment removal and delays due to regulatory permitting. Is there no way to sit down with the water board and get a comprehensive permit for clearing out sediment?

Staff Response:

That is essentially what we have with our SMP, but we still have to get each project approved every year via the annual NPW and the regulatory agencies have to look at each of the projects to ensure they comply with the permit. We are in the process of trying to streamline the SMP to avoid this. There is a lessons learned meeting (annually) coming up in February during which streamlining is anticipated to be discussed with agencies. The U.S. Army Corps of Engineers (USACE) is amenable.

Question/Comment 8:

Will subsequent years take the same amount of time with the permitting process?

Staff Response:

We hope not. There are agencies that are very fast at processing their approvals (mostly state) and those that are slower (mostly federal – USACE). In 2015, all of the other agencies approved the list of projects, but USACE did not respond until late July. We are working with USACE and are hoping that it will be reflected in their review of the next NPW. We have already seen some improvements and are hopeful. USACE did make a big change in August when they brought in an Acting Chief of its Regulatory Division (Tori White), who came in and made great improvements. She has talked about streamlining the SMP and is committed to doing so. We are hoping that USACE makes this a permanent process change, since Tori White is on a temporary assignment.

Question/Comment 9:

How many projects were planned?

Staff Response:

There were 12 or 13 projects planned, plus an additional 5 or 6.

Question/Comment 10:

How are we on target if we only completed half of the NPW list of projects?

Staff Response:

Both can be true. We can be at 90% of creeks at capacity and not have completed all projects (e.g., the 10% of sites that are not at capacity correspond to those sites for which work was not complete).

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations were made.

Project E2

Emergency Response Planning

ON TARGET

Staff Overview:

Staff apprised IMC of plan to propose a language adjustment to the board to clarify the KPI. (Clarification on E2.1 - 2nd bullet should read City Managers meeting, not City Manager's meeting.)

Question/Comment 1:

One of the comments was that it was difficult to focus on this item because we have been in a drought. With the El Niño season being predicted in 2015 for 2016, did it become easier?

Staff Response:

This was an element stated by the previous project manager. At this time in FY16, it is clear that the County and local agencies are very much engaged on moving forward with flood issues as attested by the large and comprehensive representation by multiple agencies at the County's Flood Planning kick-off meeting on December 3, 2015.

Question/Comment 2:

In the Opportunities and Challenges section re: the challenge to maintain interest. El Niño's seem to be 15-16 years apart and cyclical. Shouldn't we be aware of the cycle and prepare in advance even though there is a drought? We need continuous education.

Staff Response:

Management and staff have a plan that over the next 5 years (through FY19) to complete the remaining Emergency Action Plans (EAP). The last three are not expected to be as challenging as the first two. The goal is to complete all five EAPs sooner than originally planned or over the 15-year SCW Program timeframe. This strategy will have all five EAPs completed in advance and in place to help address flooding during rainy winters such as those brought about by the El Niño cycle.

Question/Comment 3:

How were the high priority creeks selected?

Staff Response:

The creeks were selected and prioritized by a District team composed of six management members. The criteria used for each creek was: number of parcels subject to flooding from a 1% event; documented occurrence(s) of damaging overbanking; a minimum of five years before a capital improvement project will be constructed (or no capital improvements are planned); and the statistical flood frequency return-period.

Question/Comment 4:

Budget shows 22% expended, that was for FY15, do you feel you'll be on track in this fiscal year.

Staff Response:

Yes, for FY16, a new project manager was assigned after the first quarter and this will help get the project going again and on track with the aforementioned aggressive schedule for completing all five EAPs.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.

Question/Comment 1:

How were these creeks picked as top priority?

Staff Response:

Two creeks with a floodwall levee that doesn't meet FEMA criteria. We picked these two creeks using that new standard so we can move some people out of flood zone. We also found areas with most flooding and tried to spread it out throughout the county. These were discussed when we started the SCW Program.

Follow-up Response:

There was an extensive screening process carried out through the SCW program in order to determine the priority reaches. The SCW Report describes in detail how this was done, the following are some key steps involved:

1. Reaches with known floodplains of 1000 parcels or more were given priority.
2. First round top priorities were chosen and with further review, Alamitos and Calera were kept as re-mapping studies due to new FEMA Lamp guidelines that could significantly reduce the regulatory floodplains.
3. Quimby was now considered due to its high parcel count. The information data for Quimby and other creeks in this watershed is very limited and it was determined it would be most effective/productive to conduct as watershed study including Fowler, Norwood, and Ruby.
4. Rockspring has experienced severe damages from historical flooding. With additional study, the District could apply to future grants to complete a flood protection project.

Question/Comment 2:

Under floodplain maps referencing state of the art 3d flood plain maps. Is there some new technology?

Staff Response:

HEC-RAS itself has a 2D dimension function, which includes depth, velocity and direction of the flow. It is a very good tool.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. No recommendations.

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Project E4

Upper Penitencia Creek Flood Protection Coyote Creek to Dorel Drive – San José

ADJUSTED

Staff Overview:

Staff apprised IMC of U.S. Army Corps of Engineers (USACE) conversion to a multi-purpose project. The next critical step is whether USACE will get additional funding for the project. We should know in March when the work plan funding comes out. The future is not optimistic, but we are still working with USACE in hopes that funding will be coming.

This was a single-purpose flood risk project which means they couldn't have taken into consideration other environmental factors. District has been telling USACE we cannot continue with the project and that it wouldn't be permissible. The shift to a multi-objective project is a positive shift, but federal funding is not guaranteed. The project has been shifted out of design and construction and it has been moved to planning. We want to figure out a direction, come to the board, have them make a determination and then start spending SCW funding. There will be a decision soon on whether or not the district should do the planning study ourselves and do design and construct what we can afford and seek grants or other funding opportunities.

Question/Comment 1:

Is it true that there is rarely a project that is single-purpose?

Staff Response:

Yes, it is rare, but that is the way USACE has done business traditionally. We are moving in the direction of multi-objective projects with USACE.

Question/Comment 2:

When did this project first start?

Staff Response:

Probably started back in early 1990's. Until SCW funded it, there was no money for the project.

Sub-Committee Assessment/Recommendation:

This project was deemed Adjusted. No recommendations.

Project E5

San Francisquito Creek Flood Protection San Francisco Bay to Middlefield Road – Palo Alto

ON TARGET

Staff Overview:

Current project status in FY16 indicates that we are very close to receiving all necessary regulatory permits and anticipate going to construction in summer of 2016.

Question/Comment 1:

Need to provide more clarity to its complexity. Don't have to follow the script of the other projects. Maybe we need an appendix to the annual report.

Staff Response:

We will go back to think about how to better construct the project status update.

Question/Comment 2:

Does the financial information reflect all of the staff hours spent on the project?

Project Review (E5) cont...

Staff Response:

Yes, it does.

Question/Comment 3:

Why does the Planning and Design project show construction?

Staff Response:

The FY15 CIP schedule was set in Sept. 2013, prior to the project modification in June 2014, which has the project moving forward with the local funding only option.

Question/Comment 4:

Do you have all of the parcels acquired?

Staff Response:

All of the parcels have been acquired for the P.A. side. East P.A. is still working with Self Storage.

Question/Comment 5:

Are all of the bridge design issues resolved?

Staff Response:

Bridge design was well underway, but due to public response to one of the proposed alternatives (floodwalls), we put a hold on design until all of the upstream alternatives are analyzed. Once the upstream Environmental Impact Report is completed, analyzing all of the upstream improvements, we will finish the design of the bridges.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. Recommendation was to reconstruct the project status update in the report in order to provide more clarity to the complexity of the project.

Project E6

Upper Llagas Creek Flood Protection Buena Vista Avenue to Wright Avenue –
Morgan Hill, San Martin, Gilroy

ADJUSTED

Staff Overview:

Notified IMC that we are in the public review period for the Environmental Impact Statement (EIS) and of upcoming public meeting (1/20/2016). Once EIS is final, U.S. Army Corps of Engineers (USACE) can review the permit applications. Staff is optimistic that resource agencies will get the permits issued in a timely manner, by fall 2016.

Question/Comment 1:

The land you're acquiring easements on, is that to build a levee on or just to use it?

Staff Response:

In some cases we're just buying the rights for a top of bank maintenance road and in some cases we're buying properties to widen the creek. There are no levees being constructed as part of the Upper Llagas Creek Flood Protection Project. In most cases we're buying fee title within the creek, but there are some cases we will only purchase an easement. An example is where the SCVWD acquisition reduces the remaining parcel to a non-conforming parcel, below the 5 acre minimum County zoning requirement. Our commitment to the public is that the Project will not be construction public trails as public trail construction is not addressed in the Environmental Documents (EIR/EIS).

Project Review (E6) cont...

Question/Comment 2:

Regarding construction complete by 2017. Is the schedule for Reach 7 only?

Staff Response:

Reach 7 construction is included in Phase 1, as is Reach 4, a portion of Reach 5, and the on-site compensatory mitigation, Lake Silveira. Construction start dates depends on when the District receives all the regulatory permits to begin construction. Currently, we anticipate construction to be completed by the end of 2018.

Question/Comment 3:

Can we use a better map that shows the reaches?

Staff Response:

The maps in the report are from the SCW Program. SCVWD will need to ask the Board to approve use of the most up-to-date current maps. But, a project map with the reaches identified is available to insert into the report if the Board approves this recommendation.

Sub-Committee Assessment/Recommendation:

This project was deemed Adjusted. Recommendations are to use the most updated project map showing reaches and to add the term Phase1 to the schedule.

Project E7

San Francisco Bay Shoreline Study Milpitas, Mountain View, Palo Alto, San José, Santa Clara and Sunnyvale

ON TARGET

Question/Comment 1:

The EIA terms are not easily understandable. Perhaps use in parentheses (Alviso)...it is in the second paragraph, but it should be carried throughout the document. It would help with clarity/readability.

Staff Response:

Current text is shown in 1st paragraph as "...Economic Impact Area (EIA) 11..."

Staff proposes to revise as follows: "...Economic Impact Area 11 (EIA 11 - Alviso/north San Jose area) see below for example of use.

Question/Comment 2:

What construction is going to be done on this?

Staff Response:

KPI 2 will be for construction of EIA 11 (Alviso/north San Jose area) project elements. The levee will be raised on average by 5 feet and the base width of the levee will be widening out toward the ponds/bay. There will also be a 30 to 1 sloped fill or ecotone located on the ponds/bay side of the levee. The ecotone, also known as a 'horizontal levee', will act as a buffer to serve as a refuge area to listed species during high tide events and will provide additional levee protection by lessening the impact of wave damage during storm events.

Question/Comment 3:

So you have \$22M budgeted for the project in total?

Staff Response:

Yes, but approximately \$15M will be for design and construction of EIA 11 (Alviso/north San Jose area) and the remaining \$5M will be for planning phase efforts of EIAs 1-10 (the remaining Santa Clara County area).

Project Review (E7)cont...

Question/Comment 4:

What will it cost to construct?

Staff Response:

The EIA 11 (Alviso/north San Jose area) project will cost a total of \$174 million for the flood risk management, ecosystem restoration, and recreational project elements. The District is expected to cost share on the flood risk management elements which our share will be \$42.4 million. \$15M will go towards our share of the \$42.4 million and we are now working with the San Francisco Bay Restoration Authority on a ballot measure to seek additional funding. The District will also continue to identify potential sources/opportunities of money to ensure construction of the flood risk management elements.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. Recommend clearly defining EIA's throughout the report to improve clarity. Example: EIA 11 (Alviso/north San Jose area) and EIAs 1-10 (the remaining Santa Clara County area).

Project E8

Upper Guadalupe River Flood Protection Highway 280 to Blossom Hill Road – San José

ON TARGET

Question/Comment 1:

Complexity of reaches doesn't fully come through.

Staff Response:

Staff can include an updated map with reaches if Board approves IMC's recommendation.

Question/Comment 2:

Is the \$69 Million budget on track?

Staff Response:

Yes.

Sub-Committee Assessment:

This project was deemed On-Target. Recommendation is to use updated map with Reaches to improve clarity in the report.

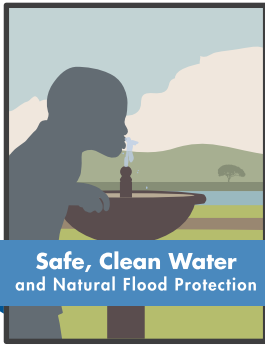
General Comments:

Question/Comment 1: Report clarity can be improved.

Question/Comment 2: Some project have taken so very long, going back to the 1990's. Is there a way to describe the levels of complexity? What are the factors that come into play? Can we show the phasing in the graphs (schedules)?

Question/Comment 3: Same as last year, heard funding problems and bureaucracy to deal with in permitting. A lot of progress has been made, but working under so much restriction. It has to be maddening.

Question/Comment 4: For USACE projects, when there are opportunities for the District to be the lead on all or part of the project, the District should do so to improve efficiency.



Other Capital Flood Protection and CSC Grants Projects Subcommittee:

Jimmy Nguyen, Chair – present
Hon. Joe Head – present
Kit Gordon – present
Hon. Dan McCorquodale – present
Also in attendance:
Kathy Sutherland (IMC Chair)

District Staff in Attendance:

Ngoc Nguyen– Safe, Clean Water Implementation
Jessica Collins – IMC Liaison/Note taker
Melanie Richardson – Deputy WS Design & Construction
Liang Lee – Deputy WS Stewardship & Planning
Saeid Hosseini – Permanente Creek
Stephen Ferranti/Patrick Stanton – Sunnyvale E/W
Christopher Hakes – Berryessa Creek
Afshin Rouhani – Coyote Creek
Sarah Young – CSC Grants Projects

Project Overview

▶ Permanente Creek Flood Protection San Francisco Bay to Foothill Expressway – Mountain View	ADJUSTED
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Project Review

Permanente Creek Flood Protection

San Francisco Bay to Foothill Expressway – Mountain View

ADJUSTED

Question/Comment 1:

Is the draft permit for the whole project?

Staff Response:

Yes.

Project Review (Permanente) Cont...

Question/Comment 2:

One of the issues on planning for Permanente Creek was the stream gauge and lack of data. It has since been replaced. How are we using the data to ensure the models are correct?

Staff Response:

An old gauge, with an old design, using a communication pipe in the middle of the creek. For Permanente the flow coming from upstream has sediment. So when the sediment buries the pipe it affects its functionality. The current gauge uses a sensor from above the water surface using ultrasonic technology to measure the depth and isn't affected by the sediment. The new gauge is working properly. The new data shows that the old gauge was not measuring the full flow. Using the new gauge we compared that with the hydrologic model and it is doing a fine job.

Question/Comment 3:

Is the model still accurate based on the data the gauge is showing? Has the model been adjusted based on the new data?

Staff Response:

For the model to be used for design there are certain assumptions that we make to cover the worst case scenario. In the west branch of the creek there is an existing detention dam. What we saw in the past is the dam will most likely be full around Feb./Mar. which means if a storm comes after that, there will be no benefit from the detention basin. We are constantly tweaking the model based upon the data we receive.

Question/Comment 4:

Is there a report that can be produced to show the changes in data and impacts to the model and design?

Staff Response:

Staff has been very careful in what we do and knowing that we're doing the right thing. Extra effort has been put in place to make sure that the hydraulics are correct. We can provide updated gauge data.

Question/Comment 5:

There are some people who are unhappy w/Rancho San Antonio and having a report that shows that the design and model are updated with data and still valid would be good. Permanente is part of Stevens Creek Watershed (steelhead trout). If the diversion channel/detention basin compatible with fish?

Staff Response:

The potential for fish capture is relatively minor. Fish behavior experts indicated that fish would not be moving in these extreme events. So they wouldn't likely be in the upper water column that would be spilling into the detention basin. Also the basin is designed so that any fish that might get flushed into the detention basin would find their way out again.

Question/Comment 6:

With the D6 project (Hale Creek), how has that impacted this project?

Staff Response:

The Hale Creek project was eliminated from the Permanente project and developed into a pilot project with a soft bottom. That should not change the hydraulics of the water coming into Permanente creek.

Project Review (Permanente) Cont...

Question/Comment 7:

If we advertise in March and award in June, how long with the construction last?

Staff Response:

We are going to have multiple bids for the sections of the project. Rancho, McKelvey are both going to be two year projects and channel work will be one year. All will be advertised in spring and awarded in summer pending finalization of all of the permits.

Sub-Committee Assessment/Recommendation:

Subcommittee accepted project status as adjusted. No recommendations were made.

Sunnyvale East and Sunnyvale West Channel Flood Protection

San Francisco Bay to Inverness Way and Almanor Avenue – Sunnyvale

ADJUSTED

Question/Comment 1:

When you talk about upgrading the channel capacity, what are you doing to the channel?

Staff Response:

The existing channel is an earth channel with a levee system and we're going to install concrete flood walls in the downstream reaches. The Project will also repair channel bank erosion and resurface existing maintenance roads.

Question/Comment 2:

There's a lot of discussion/money related to using storm water as a water resource? Has that come up with this project?

Staff Response:

No, it hasn't. The area was originally a marshland near the bay and farm lands before becoming urbanized. The SCVWD build the channels in the 50s/60s to address increase development.

Question/Comment 3:

Are there gauges?

Staff Response:

There are no gauge stations on either ditch. Neither Sunnyvale East nor Sunnyvale West have an upstream watershed as both were man-made ditches. Therefore, they only capture local runoff from the streets. We're working with city of Sunnyvale to add in their storm drain pipes and they will be considered in our model to calculate the flows.

Question/Comment 4:

The S.F. Bay Area Restoration Authority is asking for a measure to be on the 9 counties to provide money to restore the Bay. On the map they show levees that hold part of the bay. I can't figure out who drew the map. Are you working with that organization?

Staff Response:

We are working with them and did contribute funds to put the measure on the ballot. If successful, part of the funds will come to SCC and help fund our Shoreline project. The Shoreline project we're building in Alviso area \$15M in SCW funding was allocated for design and partial construction, while some SCW funding was designated to design of the other sections (EIA 1-10), but we need more funding. We're working with regional cities and organizations to work together to come up with funding.

Project Review (Sunnyvale E/W Channels) Cont...

Question/Comment 5:

Is something in place to protect properties that are being built?

Staff Response:

Assuming you're talking about Google, our Shoreline project will protect the entire SCC shoreline and working with our San Mateo County partners. Our goal is to protect the entire shoreline equally and not giving preference to certain regions or property owners. Sunnyvale East and Sunnyvale West will provide riverine flood protection only. Protection from tidal flooding will be accomplished by the Shoreline Project.

Question/Comment 6:

What is the rationale for the rates for protecting properties?

Staff Response:

The rates are tiered for residential and industrial/commercial land use. Commercial does pay a higher rate than residential owners.

Question/Comment 7:

I recall from last year's audit that there was an issue on access to Sunnyvale's water treatment plant. What is the status?

Staff Response:

You are correct. There is an existing private bridge that SCVWD staff are currently pursuing acquiring the necessary rights of way, permission for use of by the City Treatment plant staff. The need for this alternative access is due to the Project temporarily restricting access for 200-300 feet length of levee required to construct a proposed floodwall. Access to the treatment plant will be maintained during construction. There are viable alternatives.

Question/Comment 8:

There is risk and negativity for not meeting the target for start of construction. It gets worse if you don't meet the target for construction.

Staff Response:

Agree, but permits are the challenge and can take 2-3 years to acquire.

Sub-Committee Assessment/Recommendation:

Subcommittee accepted project status as adjusted. No recommendations were made.

Berryessa Creek Flood Protection

Calaveras Boulevard to Interstate 680 – Milpitas and San José

ON TARGET

Question/Comment 1:

Where does this water exit? North or South?

Follow-up Response:

The water travels down from Calaveras to the confluence at Penitencia Creek.

Project Review (Berryessa) cont...

Question/Comment 2:

In Priority E we have a Penitencia Creek project. It doesn't appear we'll have that project done by the time we complete this project. So how will you protect the homes from the additional flows.

Staff Response:

This portion is downstream of that and we have to build the downstream portion first. In addition, the portion of Upper Penitencia Creek on Priority E is not directly connected to Upper Berryessa, however both do drain into Coyote Creek. Coyote Creek has sufficient capacity to accommodate both the Upper Berryessa and Upper Penitencia projects.

Question/Comment 3:

How do we determine which ones go into this group and the other group?

Staff Response:

The "Other" priorities were originally budgeted in CSC and don't have additional funds from SCW. The priority E projects are either new projects or projects that were continued from CSC, but receive SCW funds.

Question/Comment 4:

I heard there was some issue w/RWQCB issuing a permit and the USACE over road it?

Staff Response:

There was an issue with the RWQCB not believing that USACE (lead agency) project was the LEDPA. So, they were inclined to not issue the permit and sent a letter back to USACE saying their application was not complete and didn't include mitigation. USACE considered overriding RWQCB, but instead decided to work with them and met together with the District to discuss the project. USACE it would take an act of Congress and would cause us to miss the BART 2017 deadline. So, RWQCB agreed to issue the permit, but doesn't agree with this approach to doing a project. They are allowing an exception with this project, but don't agree to the NED alternative. We are now waiting for our EIR to be certified before we receive our 401 water quality certification.

Question/Comment 5:

Is the district happy with the current project and feel it meets our needs?

Staff Response:

The district accepts the project as the project that needs to be built during this time frame. We perhaps would have preferred to do a local alternative if we had the time, but to meet the schedule we accepted the USACE project to meet the VTA Bart schedule. It does meet our needs and goals.

Sub-Committee Assessment/Recommendation:

Subcommittee accepted project status as On Target. No recommendations were made.

Coyote Creek Flood Protection

Montague Expressway to Interstate 280 – San José

NOT ON TARGET

Question/Comment 1:

Thank you for including habitat and water supply and not just making this about flooding. It seems this project may be totally re-scoped. What is the process?

Staff Response:

Yes, the changes to the project are considered modifications which will necessitate a formal public hearing as required by the Safe, Clean Water Program.

Sub-Committee Assessment/Recommendation:

Subcommittee accepted project status as Not On Target. No recommendations were made.

Calabazas Creek Flood Protection

Miller Avenue to Wardell Road – Sunnyvale

ON TARGET

No notes.

Clean, Safe Creeks Grants Projects

ON TARGET

Question/Comment 1:

What happens to any funds that are left over? Does it get divided equally?

Staff Response:

It goes back to fund 26, which is the SCW fund. If there is a need specifically for the grants, staff could request that allocation from the board.

Question/Comment 2:

On the amended projects, is there any work being done?

Staff Response:

Yes, that is one of the criteria that we look at when we provide a recommendation to the board. We look to see if progress is being made and effort put in.

Question/Comment 3:

What is the issue with Los Alamos Creek and Coleman?

Staff Response:

That will be included in next year's report. It could be permitting or prioritization.

Sub-Committee Assessment/Recommendation:

This project was deemed On-Target. Recommendation was made to have tours of these projects.