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Please use the chat feature in the Zoom toolbar to let the moderator know that you would like to make a comment during the meeting.



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Call to Order

Board of Directors Workshop - Resources Thursday, June 4, 2020

Chairperson — Director Hayes Vice-Chair — Director Harrison



Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.



Public Comment

Any person may address the Board on matters within its jurisdiction.

 Please use the chat feature on the Zoom toolbar or digitally raise your hand to let the moderator know you would like to make a comment.



Summary of Previous Meeting (Pg. 3)

Board of Directors Workshop – Resources - May 7, 2020



Presentation Item 4.1 (Pg. 5)

Heather Dyer, M.S. M.B.A – General Manager

Introduction of Sites Reservoir Executive Director, Mr. Jerry Brown

Sites Reservoir



Rightsized to Meet Our Current and Future Water Supply Needs

Sites Reservoir has been designed and optimized to meet our water supply needs for today and in the future

The Sites Project Authority conducted a **rigorous Value Planning effort** to review the project's proposed operations and facilities **to develop a project that is "right sized" for our investors and participants** while still providing water supply reliability and enhancing the environment

Rightsizing the reservoir was responsive to input from state and federal agencies, NGOs, elected officials, landowners and local communities

The **feedback we received** through a robust outreach effort was **critical** to developing a reservoir that is the **right size for both people and the environment**





Rightsized to Meet Our Current and Future Water Supply Needs

Member	Reservoir Participation(AFY)
Public Water Agencies	
North of Delta	52,142
South of Delta	140,750
Subtotal Public Water Agencies	192,892
State of CA	~ 40,000
Total Requirement	~230,000

Participant Demand

Participant water subscriptions allocated in the current participation agreement

Allocation of State of California water subscription is based on the **Proposition 1 water investment**

- Water for Delta Smelt
- Water for Refuges

Release Capacity from Sites

The "rightsized" project can deliver water to meet the demands of our participants and California's investment of water for the environment

Long term average ~240,000 AFY

Year Type	1,000 cfs Release Capacity (AFY) to the Colusa Basin Drain
Wet	90 – 120
Above Normal	260 – 290
Below Normal	245 – 275
Dry	355 - 385
Critically Dry	210 - 240



Rightsized to Meet Our Current and Future Water Supply Needs

Reservoir Size (MAF)	1.5
Project Cost (2019\$, billions)	\$2.4 – \$2.7
Contingency Cost (2019\$, billions)	\$0.6
Total Project Cost (2019\$, billions)	\$3.0 - \$3.3
Annualized AFY release	240,000
Range of Annual Costs During Repayment Without WIFIA Loans (2020\$, \$/AF)	\$650 - \$710
Range of Annual Costs During Repayment With WIFIA Loans (2020\$, \$/AF)	\$600 - \$660

The rightsized project is **roughly \$2 Billion less** then the 2017 preferred alternative

Cost savings primarily from the removal of the Delevan Diversion facility on the Sacramento River and the Delevan Pipeline

Lowered the Annual Cost during repayment (\$/AF)

Significant savings to participants with finance through a **WIFIA** government backed loan



Provides Statewide Benefits for Generations to Come

Sites Reservoir provides many multi-layered benefits



Off-stream Storage

Does not create a barrier to native fish migration



Cooperative Operation

Increases effectiveness and efficiency of existing water storage infrastructure



Recreational Opportunities

Provides northern Sacramento Valley with additional opportunities for recreation



Federal and State Agencies Manage Environmental Water

Adaptable to current and future conditions and priorities



Adaptable to Climate Change

Contributes to system reliability and performance with climate change



Environmental Support

Provides environmental water in drier periods for native fish, and habitat for native species and birds



Local Leadership and Cooperation

Aligns with Sacramento Valley's values and fosters regional and statewide collaboration



Dry Year Water Supply

Reliable dry year water supply for California communities, farms and businesses



We are On-Track to Deliver This Vital Project for the People of California

Key Milestones Through 2021

Meet eligibility requirements under Prop 1 (WSIP) in order to access the remainder of the \$816 Million in funding

Recirculate Draft EIR for public comment, proactively engage stakeholders, develop responses to comments to support environmental feasibility determination

Complete Feasibility Report

Secure environmental permit certainty and draft permit applications

Update and refine cost estimate and affordability analysis

Develop Plan of Finance

Improve definition of SWP/CVP exchange, including Operations Plan

Enhance landowner, stakeholder & NGO engagement

Develop Operating Agreement Term Sheets with: DWR, USBR,

TCCA, GCID, CBD Authority







Discussion Item 5.1 (Pg. 8)

Heather Dyer, M.S. M.B.A, General Manager Kristeen Farlow, M.P.A., Manager of Water Use Efficiency/External Affairs

Consider Selection of Consultant for Water Use Efficiency Assessment

Staff Recommendation

Forward to the Board of Directors for approval.



Background

- •History of offering programs to retailers:
 - Turf Rebate
 - Weather Based Irrigation Controller Program
 - 25% Reimbursement Program
 - •Educational programming
 - Media/Public Outreach

- High participation during drought
- Reduction in participation since "end" of drought (early 2019)



Goals:

- Reduce demand on our groundwater basin in support of long term basin health and sustainability
- Develop strategies to support our retailers for implementation of "MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE"
 - 2021 Expected Water Efficiency Standards from DWR/State Board
- Develop a range of conservation opportunities to implement over time, ideally focused on activities that provide integrated, multiresource benefits like water quality, erosion prevention, health, community health, education, air quality, etc.
- Develop a Water Conservation Program that incentivizes/rewards our retail agencies to produce less water.
- Provide programs and opportunities that align with requirements imposed on retailers by legislation (AB 1668 and SB 606)



Making Water Conservation a California Way of Life

AB 1668 AND SB 606

- Long term water conservation framework
- Urban and agricultural sector
- I. Use water more wisely
- 2. Eliminate water waste
- 3. Strengthen local drought resilience
- 4. Improve agricultural water use efficiency and drought planning

NEW STANDARDS BEING DEVELOPED

Development of annual water budgets for urban water suppliers

- Indoor residential water use
- Outdoor residential water use
- Commercial, industrial, institutional (CII) water use for landscape irrigation with dedicated meters
- Water loss



District's New Conservation Program

Building this Program will Require a Series of Steps:

- Water Use Efficiency Assessment Part I (Proposed Today): Analysis of our previous programs and Participation, Develop Goals and Objectives
- RAND Study Part I (Complete): Examined Likely Future Demand

Part II (In progress): Examines Likely Supply Scenario with Climate Change

- Water Conservation Program Manager (Proposed): Will pull results from these studies and work with retailers, state, local experts to develop "Road Map" of a new Valley District Conservation Program.
 - GOALS and OBJECTIVES developed by relying on baseline data and measurable results.
- Further Investigations and Tools Development: This is a long-term commitment with long-term rewards. We must be responsive to change and invest in building a toolbox that promotes water conservation, long-term, by rewarding the behavior we desire.



What will the Assessment do?

- Evaluate expectations
- Assess current programs/ participation
- Make recommendations to increase participation
- Recommend short/longterm goals
- Identify new opportunities for region
- Recommend ways to measure success





Potential New Opportunities:

- Rainwater harvesting
- Stormwater capture
- Watershed management
- Direct install programs for multi-family dwellings units (apartments, condominiums)
- Pilot projects from retailers:
 - Pump Pod for Fire Department Training Facilities
 - Direct install of weather based irrigation controllers











EVALUATE

TASK I: EVALUATION OF CONSERVATION PROGRAMS

- Conduct evaluation of retail agency territories and existing conservation programs
- Identify new innovative measures and approaches
 - Evaluate existing and potential water conservation programs
 - Propose successful program model





ESTABLISH GOALS

TASK 2: RECOMMEND DISTRICT'S WATER USE EFFICIENCY PROJECTIONS AND GOALS

- Recommend District's Water
 Use Efficiency Projections and Propose Goals
 - Evaluate how current and project water supplies will change due to water conservation activities
 - Develop water savings goals





PRIORITIZE

TASK 3: IMPLEMENTATION AND COST PLAN

- Develop program implementation schedule
- Assemble annual budget for selected programs
- Construct detailed resource plan
- •Finalize water use efficiency assessment





Timeline



Once contract signed, anticipate 12 weeks for completion



Director Comments and Discussion



T. Milford Harrison President



Paul
Kielhold
Vice President



Susan Longville Treasurer



June Hayes Director



Gil NavarroDirector

Staff Recommendation

Consider proposed contract with Maureen Erbeznik and Associates in the amount of \$49,545 to complete a Water Use Efficiency Assessment.



Discussion Item 5.2 (Pg. 35)

Chris Jones, MESM - Project Manager II, Biological Resources

Consider Cost Share Agreement with Orange County Water District and Chino Basin Watermaster for Aerial Imagery and LiDAR Data Collection and Processing

Staff Recommendation



Consider Cost Share Agreement with OCWD and Chino Basin Watermaster for Aerial Imagery and LiDAR Data Collection and Processing

Need & Purpose for High Quality Aerial Imagery and LiDAR

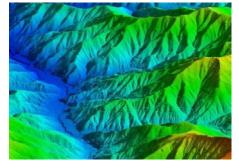
Need:

- Upper Santa Ana River HCP
 - Need to quantify and monitor changes in riparian quantity and quality, changes in hydrology, and general changes to habitats from implementation of HCP Covered Activities.
- Phase III of the High Flow Study
 - Need to analyze potential changes to landscape from proposed measures to improve habitat in the Santa Ana River Wash for native species, in particular the San Bernardino Kangaroo Rat.
- Other District Projects
 - Need georeferenced data to support spatial and topographic analysis



Purpose:

- Upper Santa Ana River HCP
 - Establish baseline condition to compare future conditions when Covered Activities are implemented.
 - Track potential changes in riparian vegetation quantity and quality, topography, surface hydrology, habitat suitability
 - Calibrate habitat and hydrology models
- Phase III of the High Flow Study
 - Calibrate and provide data to develop models to test potential methods for habitat improvement
- Other District Projects
 - Basis for general spatial analysis and cartography
 - Provide high quality data for topographic or geomorphic analysis





Products

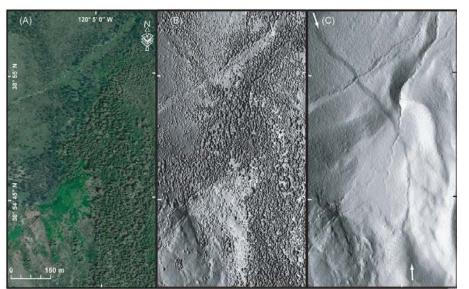
AERIAL IMAGERY

Seamless and Georeferenced

Four Band

3 Band Plus Infrared

3-inch Pixel Resolution

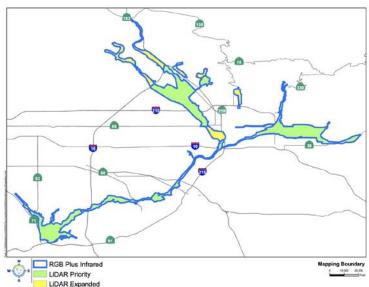


LIGHT DETECTION AND RANGING (LIDAR)

USGS Quality Level I (QLI) Data Standard

8 pulses per square meter

COVERAGE AREA



USGS. Comparison of Aerial Photo and LiDAR Image. https://www.usgs.gov/media/images/comparison-aerial-photo-and-lidar-image, Accessed May 28, 2020.



Bid and Selection Process

Development of RFP

 Collaboration between OCWD, Valley District, Stillwater Sciences, Blue Octal, and Chino Basin Watermaster

Three Firms Responded to the RFP

- Digital Mapping, Inc (DMI)
- HANA Resources
- Tetra Tech

Contractor	Quote
Digital Mapping, Inc	\$91,785
HANA Resources	\$98,693
Tetra Tech	\$107,820

Digital Mapping, Inc Selected

- Competitive Cost Schedule (Low Bid)
 - Imagery and LiDAR sensors on same plane
- Ability to Rapidly Respond to Flight Factors
- High Quality Sensors
- Highest Number of Ground Control Points (49)
 - Increased accuracy
- Professional
- Quality Past Products at Similar Scale



June 4, 2020 30



Cooperative Agreement

TASKS FOR BOTH IMAGERY AND LIDAR

Project Management

Quality Control Flight

Data Collection

Processing

Reporting



Chieftain Navajo



Imagery Sensor: DMC Ile230



LiDAR Sensor: Optech ALTM Galaxy T-100

COST SHARE

Total Project Cost: \$91,875

Aerial Imagery: \$48,375

- Valley District: 70% (\$34,275)
- OCWD and Chino Basin Watermaster/IEUA: 30% (\$14,100)

LiDAR: \$43,500

- Valley District 100% (\$43,500)
- OCWD and Chino Basin Watermaster/IEUA: 0% (\$0)

Total Valley District Fiscal Impact: \$77,775

Valley District Fiscal Impact After HCP Partners Reimbursement: \$31,110



Recommendation



Proposed Flight Path: South Section



Proposed Flight Path: North Section



Director Comments and Discussion



T. Milford Harrison President



Paul
Kielhold
Vice President



Susan Longville Treasurer



June Hayes Director



Gil NavarroDirector

Staff Recommendation



Discussion Item 5.3 (Pg. 85)

Chris Jones, MESM - Project Manager II, Biological Resources

Consider Entering into an Agreement with Riverside County Parks and Open Space District to Fund Positions for Patrol and Maintenance of our Tributaries Restoration Sites

Staff Recommendation



Agreement with Riverside County Parks and Open Space District

FTE Positions

- Two (2) Rangers
- One (I) Operator

Funding for Homeless Camp "Roll Offs"

Personal Protective Equipment

Vehicle: Gas and maintenance



https://www.pe.com/2016/05/08/riverside-effort-aims-to-refill-hidden-valley-ponds-lure-back-birds/



https://www.pe.com/2016/05/08/riverside-effort-aims-to-refill-hidden-valley-ponds-lure-back-birds/



https://www.pe.com/2016/08/07/why-santa-ana-river-enthusiasts-are-in-hot-water-with-residents/

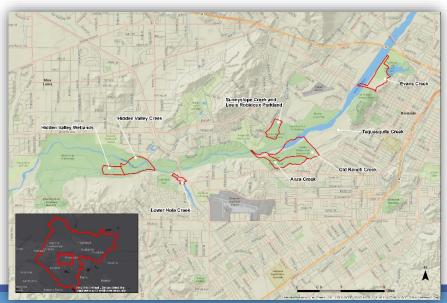


Need & Purpose

NEED

Protect and maintain millions of dollars of investment in Tributary Restoration Sites and Hidden Valley Wetlands Mitigation Project

Ensure success of restoration and mitigation projects to facilitate implementation of water supply projects.



PURPOSE OF RANGER AND OPERATOR POSITIONS

Ranger

- Ensure regular patrols by uniformed Rangers in marked vehicles at these sites.
 - Discourage establishment of homeless encampments, unauthorized trails, vandalism
 - Provide safety for public and Valley District staff and contractors
- Monitor restoration and mitigation sites while on patrol.
- Public outreach and education

Operator

- Maintain restoration and mitigation sites:
 - Trash removal
 - Treatment of certain nonnative plants
 - Trail maintenance
- Clear and grub at Tributary Restoration Sites during early stages of restoration implementation



Potential Threats to Success of Restoration and Mitigation Projects

THREATS

- OUnauthorized trail creation and use
- Vandalism of trail markers and interpretive signs
- ONonnative plant and animal invasions
- Off-road vehicle
- Littering
- olllegal Cannabis Grows
- Safety of Responsible Recreationists
- OHomeless encampments

The PSET Team will continue their daily contacts and outreach mission, with more cleanup projects in the future. Although none of the people contacted and offered services Saturday accepted them, the team will continue in their efforts.

We would also like to thank the hundreds of volunteers who worked and cleaned an adjacent portion of the Santa Ana river bottom and waterways as part of the Keep Riverside Clean & Beautiful Ward 1 project. City government, community based organizations, and our community members are working together to keep our city moving forward.





Anza Creek adjacent to Marth McLean Park



https://www.denverpost.com/2017/06/30/illegal-marijuana-grow-san-isabel-national-forest/



2019 Homeless Camp

Potential Threats: Homeless Encampments



Riverside Ave. to Van Buren Blvd. Non-restoration

Hidden Valley South Restoration



Fiscal Impact

Cost Schedule for the 3 FTE Positions

Position	Fully Burdened Cost	# of Positions/Units	Total
Ranger	\$89,000.00	2	\$178,000.00
Operator	\$60,000.00	1	\$60,000.00
Homeless Clean Up-Roll Offs	\$8,000.00	1	\$8,000.00
PPE	\$2,000.00	1	\$2,000.00
Vehicle	\$20,000.00	1	\$20,000.00
		Totals	\$268,000.00

FTE Positions Cost	HCP Reimbursement	Cost to Valley District
\$268,000	60% (\$160,800)	\$107,200

Investment FTE Positions Will Protect and Maintain

Restoration/Mitigation Projects Within Patrol Area	Cost Estimate		
SARCCUP Tributary Restoration Projects *	\$10,000,000.00		
Sunnsylope Creek Restoration (Louis Robidoux Nature Center)	\$3,000,000.00		
Evans Creek Restoration	\$2,000,000.00		
Hidden Valley Wetlands Mitigation Project **	\$1,500,000.00		
Totals	\$16,500,000.00		

^{*}SARCCUP Tributary Restoration Projects include the restoration of Hidden Valley Creek, Lower Hole Creek, Anza Creek, and Old Ranch Creek.

Costs in the table shown above do not factor in the estimated \$3 billion of local water supply projects that are dependent on the success of the restoration and mitigation sites.

^{**}The Hidden Valley Wetlands Mitigation Project provides mitigation for spreading activities at Waterman and Cactus Basins.



Recommendation

Staff recommends the Board direct staff to place this item on the next Board of Directors regular meeting agenda for consideration.





Director Comments and Discussion



T. Milford Harrison President



Paul
Kielhold
Vice President



Susan Longville Treasurer



June Hayes Director



Gil NavarroDirector

Staff Recommendation

Staff recommends the Board direct staff to place this item on the next Board of Directors regular meeting agenda for consideration.



Discussion Item 6.1 (Pg. 93)

Heather Dyer, M.S. M.B.A - General Manager

Director Requests for Consideration

Staff Recommendation

Staff recommends that the Board consider the following requests and provide direction to staff on each item.



5/27/20

Reset Form

TO:

Board of Directors

FROM:

June Hayes

SUBJECT: Director's Request for Consideration by Board

Director's Requested Activity to be Considered by the Board:

I would like to see our emergency manual be updated to reflect pandemic as a consideration. Important in this is any other emergency that would require us to use teleconferencing. I would also like to see the role of the board included in the manual.

II. Discussion of Activity's Value to Valley District and/or the Board:

We have done an excellent job, thanks to Melissa and other staff, in responding to the COVID crisis, but the purpose of the manual is to assure we have a plan for any imaginable emergency. We now have a new procedure to add--meetings and ops, etc. when we are confined for whatever reason. Also the manual (as far as I have read) does not discuss the role of board members in emergencies. The board really should have a role.

Estimated Staff Time Required (to be completed by Staff): III.

Approximately 10 - 12 hours of staff time to consider potential emergency issues, bring issues to a workshop for discussion by BOD, and update the manual accordingly.

IV. Estimated Cost or Use of District Resources (to be completed by Staff):

Approximately 10-12 hours of staff time and incidental costs to add new printed pages to each manual.

٧. Possible Modification or Suggested Alternative:



5/27/20

Reset Form

TO:

Board of Directors

FROM:

June Hayes

SUBJECT: Director's Request for Consideration by Board

Director's Requested Activity to be Considered by the Board:

I would like to see an annual routine review of director's compensation at the time of the wages and benefits. This is not to imply that compensation would be changed, just reviewed.

Discussion of Activity's Value to Valley District and/or the Board: II.

Review of the compensation packet would make sure we and the public have an awareness of our package.

III. Estimated Staff Time Required (to be completed by Staff):

Approximately 2 hours of Cindy Saks' time to complete a review of Directors' compensation and prepare a staff memo for a BOD workshop.

IV. Estimated Cost or Use of District Resources (to be completed by Staff):

Approximately 2 hours staff time.

Possible Modification or Suggested Alternative: ٧.



DATE: 5/27/20

TO:

Board of Directors

FROM:

June Hayes

SUBJECT: Director's Request for Consideration by Board

Reset Form

Director's Requested Activity to be Considered by the Board: I.

Consider training 1-2 Board members and 1-2 staff members participate in a cultural intelligence training, which would lead to 1-2 of these District representatives being able to train others others in cultural intelligence

Discussion of Activity's Value to Valley District and/or the Board: II.

We do not have a highly diverse staff and board--one that reflects the diversity of the population we serve. We can compensate for that by hiring to obtain that diversity but that does not guarantee the best person for the job is selected. Training staff and board in cultural diversity would compensate for our lack of diversity and provide for our ability to be culturally aware and sensitive. Cost per person would be about \$2500 for the basic training and the same amount for the trainer program. Once we have 1-2 people trained as trainers, those people could train the rest of the staff and maybe train interested retailers, etc.

III. Estimated Staff Time Required (to be completed by Staff):

This is a two-day training that occurs online. Estimated staff time to participate is 16 hours x 2 employees

IV. Estimated Cost or Use of District Resources (to be completed by Staff):

Cost is \$2,695/person.

٧. Possible Modification or Suggested Alternative:



5/27/20

Reset Form

TO:

Board of Directors

FROM:

June Hayes

SUBJECT: Director's Request for Consideration by Board

I. Director's Requested Activity to be Considered by the Board:

I would propose that the firm that trains in parliamentary procedure via the program Jurassic Parliament present a seminar for our board and interested retailers (at a minimal fee to them)

Discussion of Activity's Value to Valley District and/or the Board:

Good parliamentary procedures help meetings move along and help board members resolve differences and concerns as objectively as possible. While I believe that we do a very good job in our meetings, we can always improve. This training would hone our skills, and, if we invite retailers, our costs would be lower and we could provide the opportunity for the retailers to hone their skills as well.

Estimated Staff Time Required (to be completed by Staff):

Approximately 3-5 hours to support coordination of the workshop, especially if outside participants engage in the workshop.

Estimated Cost or Use of District Resources (to be completed by Staff):

There are webinar and live workshop (in-person) options. Staff has reached out to Jurassic Parliament to obtain a cost estimate for a workshop.

٧. Possible Modification or Suggested Alternative:



6/4/20

Reset Form

TO:

Board of Directors

FROM: June Hayes

SUBJECT: Director's Request for Consideration by Board

I.	Director's	Requested	Activity to	be Cor	nsidered b	ov the	Board:

I am distressed that WVWD would see fit to evaluate our agency's Public Relations, grade us, and place this information in a public document. I would like the Board to consider a letter addressing the unprofessionalism of this type of behavior on their part.

Discussion of Activity's Value to Valley District and/or the Board:

Not only did WVWD evaluate Valley district but they evaluated 9 other agencies. They did not take into consideration the different goals of the various agencies and clearly don't understand the role of a water wholesaler.

III. Estimated Staff Time Required (to be completed by Staff):

Approximately 1-hour administrative time by Kristeen Farlow and Heather Dyer to prepare and review letter.

Estimated Cost or Use of District Resources (to be completed by Staff):

None other than staff time.

Possible Modification or Suggested Alternative:

None



Director Comments and Discussion



T. Milford Harrison President



Paul Kielhold Vice President



Susan Longville Treasurer



June **Hayes** Director



Gil **Navarro** Director

Staff RecommendationStaff recommends that the Board consider the following requests and provide direction to staff on each item.



Adjournment