The meeting teleconference will begin shortly

Listen to the meeting by using your computer or tablet speakers or by calling (877) 853 5247 using meeting ID 979 215 700

View the live meeting presentation at https://us04web.zoom.us/j/979215700

Public comments, suggestions or questions regarding technical issues may be emailed to comments@sbvmwd.com

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.

Your microphone will be muted during the meeting to reduce background noise. Click on the microphone icon to unmute your microphone if needed.
Call to Order

Board of Directors Workshop - Resources
Thursday, May 7, 2020

Chairperson – Director Hayes
Vice-Chair – Director Harrison
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 - April 16, 2020
Summary of Santa Ana River Watermaster Annual Report for Water Year 2018-19

Staff Recommendation
Receive and file.
Annually accounts for the quantity and quality of the flow of the Santa Ana River at the Riverside Narrows and Prado Dam

Reports flows of base and storm flows

A forum to discuss Santa Ana River regional water issues

- Watermaster representatives work to avoid or resolve potential water conflicts between the Upper and Lower Basin.
WHO IS THE SANTA ANA RIVER WATERMASTER?
Appointed to replace all 4,000 parties in original suit

Findings must be unanimous

Superior Court retains continuing jurisdiction

- Annual reports due April 30th of each year
- Expenses shared by the parties
1969 settlement is made up of two judgments impacting all four parties defining both groundwater and surface water rights

- Santa Ana River Watershed Judgment
- Western-San Bernardino Judgment

The settlement’s guiding doctrine is a Physical Solution

- Establishes a regional inter-basin allocation of flows in the SAR
- Balances rights and obligations of all parties
- Includes future availability of supplemental imported sources of water
- Factors water quality in flow obligations
UPPER AREA USERS:
- Are enjoined from exporting water from Lower Area to Upper Area, directly or indirectly.
- May engage in unlimited water conservation activities, including spreading, impounding and other methods in the area above Prado.

LOWER AREA USERS:
- Are enjoined from exporting or “directly or indirectly causing water to flow” from the Upper Area to the Lower Area.
- May make full conservation use of Prado Reservoir.
- Cannot enforce two prior judgments so long as the Upper Area Districts comply with physical solution.

SBVMWD has a quality adjusted average base flow using water* obligation of 15,250 AFY, and an unadjusted minimum of 12,420 AFY quality credits.

Have a joint quality adjusted average base flow* obligation of 42,000 AFY, and an unadjusted minimum of 34,000 AFY using water quality credits.

* Base flow adjusted using weighted-average TDS of total flow
OUR AGREEMENT IN SUMMARY

- **Lower Area gets:**
  - Minimum base flow of 34,000 acre-feet/year
  - All storm flow that reaches Prado Dam

- **Upper Area gets:**
  - Rights to use all water above minimum base flow without interference
HIGHLIGHTS OF 49TH SARWM ANNUAL REPORT

- At Prado: the annual adjusted (for TDS) base flow was 122,900 AF (min required: 34,000 AF)

- At Riverside Narrows: the annual adjusted based flow was 36,604 AF (min required: 12,420 AF)

- IEUA and WMWD have a cumulative credit of 3,698,381 AF at Prado Dam and Valley District has a cumulative credit of 1,371,245 AF at Riverside Narrows
Questions?
Director Comments and Discussion

Staff Recommendation
Receive and file.
Discussion Item 4.2

Matt Howard, Water Resources Senior Project Manager

Presentation of the Results from 2019 Change in Groundwater Storage Calculation

Staff Recommendation
Receive and file.
Purpose

1. Provides groundwater storage levels in our Basins

2. Used by BTAC to develop water management recommendations in their Regional Water Management Plan that the Board approves every year
Wells Used in the Calculation
**SBVMWD Calculation**

\[ V = (lbh)(s) \]

where,
- \( l \) = specified (ft)
- \( b \) = specified (ft)
- \( h \) = base year - current year (ft)
- \( s \) = storage coefficient (%)

---

**Diagram:**
- Current Year
- Base year
- Bedrock

Porosity

\( h \)

\( l \)

\( b \)
San Bernardino Basin Change in Storage Results (acre-feet)

Usable Storage: 5,690,000 acre-feet
(constrained by liquefaction potential)
## 2019 Change in Storage Results

The historic amount of SWP water Valley District and the San Bernardino Groundwater Council imported into our region, along with the slightly above average precipitation resulted in an increase for the each of the basins in 2019.

<table>
<thead>
<tr>
<th>Basin</th>
<th>Change in Storage (acre-feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rialto-Colton</td>
<td>+ 6,748</td>
</tr>
<tr>
<td>San Bernardino Basin (SBB)</td>
<td>+ 160,522</td>
</tr>
<tr>
<td>Yucaipa</td>
<td>+ 9,818</td>
</tr>
</tbody>
</table>
2020 Prediction for SBB

The change in storage analysis includes a prediction that utilizes current precipitation levels and imported water supplies to predict the change in storage for the SBB.

<table>
<thead>
<tr>
<th>Year</th>
<th>Local Supplies</th>
<th>Imported Water Supplies (SWP)</th>
<th>Total</th>
<th>CIS Calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>54,000</td>
<td>85,000</td>
<td>139,000</td>
<td>160,522</td>
</tr>
<tr>
<td>2020</td>
<td>(17,000)</td>
<td>21,000</td>
<td>4,000</td>
<td>(calculated in fall 2020)</td>
</tr>
</tbody>
</table>
Director Comments and Discussion

T. Milford Harrison
President

Paul Kielhold
Vice President

Susan Longville
Treasurer

June Hayes
Director

Gil Navarro
Director

Staff Recommendation
Receive and file.
Discussion Item 4.3

Heather Dyer, General Manager

Consider Terms for an Agreement with West Valley Water District for the Cactus Basin #2 Project

Staff Recommendation

Staff recommends that the Board direct staff to prepare an agreement for legal review and future consideration.
SUMMARY OF TERMS

- WVWD will be lead on Cactus Basin #2 environmental permits and encroachment permit from Flood Control
- SBVMWD will provide technical assistance to WVWD staff in order to negotiate with Wildlife Agencies to obtain the environmental permits required for Cactus Basin #2.
- SBVMWD will lead planning efforts for the permittee-responsible mitigation project at Hidden Valley Wetlands
- WVWD will fund a proportionate share of the mitigation project cost based on their impacts at Cactus Basin #2, currently estimated to be about 14% of the total project or approximately $210,000
Director Comments and Discussion

T. Milford Harrison
President

Paul Kielhold
Vice President

Susan Longville
Treasurer

June Hayes
Director

Gil Navarro
Director

Staff Recommendation
Staff recommends that the Board direct staff to prepare an agreement for legal review and future consideration.
Discussion Item 5.1

Heather Dyer, General Manager

Requests for Consideration

Staff Recommendation

Consider attached request.
Director Comments and Discussion

T. Milford Harrison  
President

Paul Kielhold  
Vice President

Susan Longville  
Treasurer

June Hayes  
Director

Gil Navarro  
Director

Staff Recommendation
Consider attached request.
Adjournment