Provides information on

- the current water supply status and rainfall projections;
- the current applicable state regulations and obligations; and
- the recommended Board actions related to water supply availability.
## Current Water Supply

### Reservoir Storage

<table>
<thead>
<tr>
<th>As of 4/26/2020</th>
<th>Current Storage</th>
<th>Percent of Average</th>
<th>Percent of Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pardee</td>
<td>189,560 AF</td>
<td>100%</td>
<td>93%</td>
</tr>
<tr>
<td>Camanche</td>
<td>295,450 AF</td>
<td>97%</td>
<td>71%</td>
</tr>
<tr>
<td>East Bay</td>
<td>131,580 AF</td>
<td>94%</td>
<td>87%</td>
</tr>
<tr>
<td>Total System</td>
<td>616,590 AF</td>
<td>97%</td>
<td>80%</td>
</tr>
</tbody>
</table>
Water Supply Projections
Projected 2020 EBMUD Total System Storage

Total System Storage WY2020

- 630 TAF (10% Exceedance)
- 580 TAF (50% Exceedance)
- 565 TAF (90% Exceedance)
Supply Outlook for 2020
( forecast based on DWR’s April 1st snow survey )

Projected Runoff

Based on DWR’s April 1st Bulletin 120\(^1\) = 405 TAF
(Average Runoff = 745 TAF)

Total System Storage

September 30 (median)
forecast = 580 TAF

JSA Year Type (Apr-Sept)

Dry

\(^1\) B120 was published on April 8\(^{th}\).
## Total System Storage (TSS) Scenario


<table>
<thead>
<tr>
<th>Stage</th>
<th>Projected End-of-September TSS</th>
<th>Quantity of CVP &amp; Supplemental Supply Needed</th>
<th>Customer Demand Reduction</th>
<th>Rate/Penalty Impacts</th>
<th>Regulations in Effect or Potentially Enacted</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Normal</td>
<td>500 or more</td>
<td>0</td>
<td>Wise water use</td>
<td>Normal Rates</td>
</tr>
<tr>
<td>1</td>
<td>Moderate</td>
<td>500 - 450</td>
<td>0</td>
<td>Voluntary up to 15%</td>
<td>Normal Rates</td>
</tr>
<tr>
<td>2</td>
<td>Significant</td>
<td>450 - 390</td>
<td>0-35,000</td>
<td>Voluntary up to 15%</td>
<td>- Normal Rates</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Drought Surcharge</td>
</tr>
<tr>
<td>3</td>
<td>Severe</td>
<td>390 - 325</td>
<td>35,000-65,000</td>
<td>Mandatory up to 15%</td>
<td>- Normal Rates</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Drought Surcharge</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Excessive Use Penalty</td>
</tr>
<tr>
<td>4</td>
<td>Critical</td>
<td>&lt;325</td>
<td>&gt;65,000</td>
<td>Mandatory ≥ 15%</td>
<td>- Normal Rates</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Drought Surcharge</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Excessive Use Penalty</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>- Excessive Use Ordinance</td>
</tr>
</tbody>
</table>
Flow Release Obligations

- **JSA ‘Dry’** flow schedule for releases from Camanche Reservoir to the flow expected below Woodbridge Dam

- **Woodbridge Irrigation District** to receive full base supply of 60,000 acre-feet.

- **Jackson Valley Irrigation District** to receive full maximum entitlement of 3,850 acre-feet.

- **North San Joaquin Water Conservation District** will not receive any water.

- ‘**Surplus’** water will not be available based upon current projections.
The Demonstration Recharge Extraction and Aquifer Management (DREAM) Project:

- Current projections indicate ‘surplus’ water is not available.
- Of the 1,000 AF committed by EBMUD for the DREAM Project, 648 AF remain to be released during a normal or below normal water years and when the District declares surplus water is available.
- Construction of the new facilities to deliver groundwater from the DREAM Project into EBMUD’s Mokelumne Aqueducts may occur in the fall of 2020.

Bayside Groundwater Project – Phase 1

- Due to dry year conditions, the District does not have surplus water to inject into the Bayside aquifer this year.
District’s water supply is sufficient for meeting customer demands in 2020.

Projected runoff equates to ‘Dry’ year flows for JSA and all other release obligations under D1641.

‘Surplus’ water is not available based upon current projections.
Extension of Commercial Paper
Standby Letter of Credit

Board of Directors
April 28, 2020
Agenda

- Background
- Extension of Commercial Paper Liquidity
- Recommendation
The Water System commercial paper program is backed by two liquidity facilities:

<table>
<thead>
<tr>
<th>Subseries</th>
<th>Liquidity Provider</th>
<th>Amount</th>
<th>Term End</th>
<th>Liquidity Fee</th>
<th>Liquidity Annual Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1</td>
<td>Sumitomo Mitsui</td>
<td>$200 million</td>
<td>12/1/20</td>
<td>31.5 bps</td>
<td>$630,000</td>
</tr>
<tr>
<td>A-2</td>
<td>Bank of America</td>
<td>$160 million</td>
<td>11/30/21</td>
<td>30.0 bps</td>
<td>$480,000</td>
</tr>
</tbody>
</table>

The Sumitomo Revolving Credit Agreement was executed in 2015 and expires December 1, 2020.
Sumitomo Offer of Extension

- Sumitomo has offered to extend the current agreement for 4 years at a rate of 30.0 basis points
- The amount of the new agreement, if approved, will be $176 million due to recent $24 million pay down of CP
- The extension would decrease the fees the District pays by $26,400 per year
Considerations

- Staff and the District’s Financial Advisor weighed the costs and benefits of extension vs. conducting an RFP
- Based on industry knowledge and current market conditions, the District’s Financial Advisor believes the extension offer to be as good or better than other likely offers
- There are added costs to conducting an RFP
- There are added costs to switching providers compared to extending
Recommendation

- Approve the extension of the Revolving Credit Agreement with Sumitomo Mitsui for 30 bps
Amendment to EBMUD Retirement System Ordinance (No. 40) - Section 5(d)
Second Reading

Board of Directors
April 28, 2020
• Section 5(d) excludes membership of an appointee to the General Manager position who is not already a member at the time of appointment.

• Prior to 1991 Section 5(d) allowed all newly appointed General Managers to become a member without exception.

• Since 1991 there have been 3 General Managers and one was an external appointee.
Update to Ordinance No. 40

- In December 2019 the current General Manager announced his intent to retire.
- External qualified applicants who are not current members of the Retirement System have applied for the General Manager position in addition to internal candidates.
- An amendment to Section 5(d) is required in order to allow Retirement System membership to all candidates.
• The actuarial impact of making this change to the Ordinance would not exceed 0.5% of the Retirement funds future cost.
Update to Ordinance No. 40

- Steps to finalize adoption of Retirement Ordinance amendment
  - First Reading, April 14, 2020
  - Second reading and vote to adopt, April 28, 2020
  - The Ordinance amendment must be placed in newspaper for 2 successive weeks
  - Adoption of Ordinance amendment will take effect 31 days after the vote to adopt.
  - Staff will publish and distribute copies of the revised Ordinance by June 30, 2020.
Coronavirus Update

Board of Directors Meeting
April 28, 2020
Late payment penalties
- Since March 12, approximately $158,000 in late payment penalties on 27,633 accounts

CAP applications
- 7,269 active CAP participants through April 21

Through April 21, 94% of customers have either paid their bill in full or made partial payment
Water Demand
Water Consumption

- Reviewing Advanced Metering Infrastructure (AMI) data
- 18,102 AMI meters

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single and Multi-Family</td>
<td>15,598</td>
</tr>
<tr>
<td>Parks and Irrigation</td>
<td>698</td>
</tr>
<tr>
<td>Commercial</td>
<td>542</td>
</tr>
<tr>
<td>Offices</td>
<td>299</td>
</tr>
<tr>
<td>Schools</td>
<td>249</td>
</tr>
<tr>
<td>Food</td>
<td>201</td>
</tr>
<tr>
<td>Health</td>
<td>150</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>134</td>
</tr>
<tr>
<td>Lodging</td>
<td>127</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>93</td>
</tr>
<tr>
<td>Petroleum</td>
<td>11</td>
</tr>
</tbody>
</table>
Face Coverings

- April 17 orders from Alameda and Contra Costa counties
- Face coverings required for all staff
- Some exceptions
- District providing face coverings for staff
COVID-19 Testing

• City of Oakland testing site
  – Testing began April 10 for water and wastewater operators
  – Potential to expand testing to other classifications

• California Municipal Utilities Association access to additional testing
  – Test kits provided to utilities
  – Utilities responsible for coordinating testing
  – Analysis done by UC Berkeley laboratory
Employee Safety Guidelines

- California Occupational Safety and Health Standards Board (OSHSB). Stakeholders requested the OSHSB to
  - Expand Aerosol Transmissible Disease (ATD) standard to other industries
  - Provide guidance to employers on how to protect employees when economy reopens
  - Provide minimum level of safety for “essential workers”
- ATD standard generally for healthcare
- Likely outcome includes
  - Broadening of existing regulations
  - New COVID-19 employee safety regulations
District Safety Guidelines

• Consistent with
  – Centers for Disease Control and Prevention
  – California Department of Public Health
  – County Public Health Departments
  – Federal and state Occupational Safety and Health Administration
  – Industry best practices

• Continue to track development of new regulations and evaluate additional measures
District’s Reconstitution Plan

- Return to normal operations as shelter-in-place order is incrementally lifted
- Transition will take months to over a year
- Plan will include new safety guidelines
- Construction and maintenance to begin in May
  - Prioritized based on need and other factors
  - Capital projects, pipeline projects, applicant work
  - Notifications to be sent to customers