AGENDA

Each item on the agenda, no matter how described, shall be deemed to include any appropriate motion, whether to adopt a minute motion, resolution, payment of any bill, approval of any matter or action, or any other action. Items listed as "For information" or "For discussion" may also be the subject of an "action" taken by the Board or a Committee at the same meeting.

1. DETERMINATION OF A QUORUM

2. PUBLIC COMMENT
   Pursuant to Government Code Section 54954.3

3. REGIONAL BRACKISH WATER RECLAMATION PROGRAM FEASIBILITY STUDY UPDATE
   Staff Recommendation: This item is for information only.

4. UPDATE ON THE NEW WELL CONSTRUCTION AND REHABILITATION LOAN PROGRAM
   Staff Recommendation: For discussion and possible action.

5. CONSIDERATION OF RESOLUTION NO. 19-1094: ORDERING THE PREPARATION OF THE ANNUAL ENGINEERING SURVEY AND REPORT (ESR) PURSUANT TO CALIFORNIA WATER CODE §60300
   Staff Recommendation: The Water Resources Committee recommend the Board of Directors adopt Resolution No. 19-1094 ordering the preparation of the 2019 Engineering Survey and Report per the requirements of California Water Code §60300.

6. UPDATE REGARDING WRD 5-YEAR STRATEGIC PLAN
   Staff Recommendation: For discussion only.

7. OPERATIONS UPDATE
   Staff Recommendation: The Water Resources Committee receive and file the report.

8. GROUNDWATER BASIN UPDATE
   Staff Recommendation: The Water Resources Committee receive and file the report.

9. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF
10. **ADJOURNMENT**

The Water Resources Committee will adjourn to the next regular meeting currently scheduled for February 19, 2019, at 10:00 A.M.

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Agenda posted on 01/12/2019. In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the meeting, please contact Brandon Mims, Board Deputy Secretary at (562) 921-5521 for assistance to enable the District to make reasonable accommodations. All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712. Agendas and minutes are available at the District’s website, www.wrd.org. EXHAUSTION OF ADMINISTRATIVE REMEDIES – If you challenge a District action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Deputy Secretary at, or prior to, the public hearing. Any written correspondence delivered to the District office before the District’s final action on a matter will become a part of the administrative record.
MEMORANDUM
ITEM NO. 3

DATE: JANUARY 15, 2019

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: REGIONAL BRACKISH WATER RECLAMATION PROGRAM FEASIBILITY STUDY UPDATE

SUMMARY

Staff will provide a verbal update for this item.

FISCAL IMPACT

None

STAFF RECOMMENDATION

This item is for information only.
MEMORANDUM
ITEM NO. 4

DATE: JANUARY 15, 2019

TO: UPDATE ON THE NEW WELL CONSTRUCTION AND REHABILITATION LOAN PROGRAM COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: UPDATE ON THE NEW WELL CONSTRUCTION AND REHABILITATION LOAN PROGRAM

SUMMARY

On September 18, 2018 the Water Resources Committee reviewed applications for the launch of the Well Construction and Rehabilitation Loan Program (Program). The Program is modeled after the Safe Drinking Water Program and is intended to assist groundwater producers within our service area to increase their groundwater pumping capabilities. The overall goal of the Program is to reach full adjudicated pumping rights by 2040 and to provide assistance to disadvantaged communities. Staff received four applications during the first solicitation round from the following purveyors:

- City of Lynwood
- City of Signal Hill
- City of Vernon
- Puente Basin Water Agency

The Committee discussed the four applications and recommended the City of Lynwood as the first Program recipient. Staff working with District Counsel created a draft Program funding agreement and submitted it to the City of Lynwood for their review. However, the City of Lynwood recently informed staff that they no longer wished to pursue the loan pending discussions they are having with the State Water Resources Control Board, Division of Drinking Water, regarding their overall groundwater systems, and they are not in a position to move forward on a new well anytime soon.

Given the City of Lynwood’s withdrawal, the Program’s next steps will be discussed at the Committee meeting.
FISCAL IMPACT

The previously Board authorized maximum appropriation amount for the initial loan program is $1.5 million which was funded from a transfer from the Safe Drinking Water Program. None of this amount has been encumbered to date pending entering into an agreement.

STAFF RECOMMENDATION

For discussion and possible action.
DATE: JANUARY 15, 2019

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: CONSIDERATION OF RESOLUTION NO. 19-1094: ORDERING THE PREPARATION OF THE ANNUAL ENGINEERING SURVEY AND REPORT (ESR) PURSUANT TO CALIFORNIA WATER CODE §60300

SUMMARY

Each year the District adopts a Resolution ordering the preparation of the annual Engineering Survey and Report (ESR) which states the items to be included in the report pursuant to California Water Code §60300. This report will determine, among other things, the replenishment water needs and water costs in the District for the ensuing water year, effective October 1, 2019 through September 30, 2020. This information, combined with the budget forecasts from the Finance Committee, provides the Board of Directors with the necessary information to determine the Replenishment Assessment (RA) required for the ensuing fiscal year, effective July 1, 2019 through June 30, 2020.

According to the Water Code, the Board’s ordering of the preparation of the ESR is required to be completed by the second Tuesday in February, and the report is to be completed by the second Tuesday in March. A public hearing on the proposed RA is to open on the second Tuesday in April and close by the first Tuesday in May. The RA is to be set by the second Tuesday in May. Adjustments to these dates are allowed under §60043 of the Water Code.

The draft Resolution ordering the preparation of the ESR is attached for the Committee’s review.
**FISCAL IMPACT**

None

**STAFF RECOMMENDATION**

The Water Resources Committee recommend the Board of Directors adopt Resolution No. 19-1094 ordering the preparation of the 2019 Engineering Survey and Report per the requirements of California Water Code §60300.
RESOLUTION NO. 19-1094

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA ORDERING AN ENGINEERING SURVEY AND REPORT REGARDING THE GROUNDWATER SUPPLIES OF THE DISTRICT PURSUANT TO WATER CODE §60300

WHEREAS, Section 60300 of the California Water Code requires the Board of Directors of a Water Replenishment District to order an engineering survey and report to be made regarding the groundwater supplies of the District as a prerequisite to the establishment of an annual water replenishment assessment;

NOW, THEREFORE, IT IS RESOLVED AS FOLLOWS:

1. The Board of Directors (“Board”) of the Water Replenishment District of Southern California (“District”) orders that an engineering survey and report be prepared by Staff regarding the groundwater supplies of the District.

2. The engineering survey and report shall include, in addition to such other information as may be deemed relevant by Staff, the following:
   a. Records, data, and other information for the consideration of the Board in its determination of the annual overdraft;
   b. Records, data, and other information for the consideration of the Board in its determination of the accumulated overdraft as of the last day of the preceding water year;
   c. A report, with supporting data, as to the total production of groundwater from the groundwater supplies within the District during the preceding water year;
   d. A report, with supporting data, as to the changes during the preceding water year in the pressure levels or piezometric heights of the groundwater contained within pressure-level areas of the District, and as to the effects thereof upon the groundwater supplies within the District;
   e. An estimate of the annual overdraft for the current water year and for the ensuing water year;
   f. An estimate of the accumulated overdraft as of the last day of the current water year;
   g. An estimate of the total production of groundwater from the groundwater supplies within the District for the current water year and for the ensuing water year;
h. An estimate of the changes during the current water year in the pressure levels or piezometric heights of the groundwater contained within pressure-level areas of the District, and of the effects thereof upon the groundwater supplies within the District;

i. An estimate of the quantity, source, and cost of water available for replenishment of the groundwater supplies during the ensuing water year under the provisions of Section 60315 of the California Water Code;

j. A statement of any recommended actions to be undertaken by the District for the purpose of protecting and preserving the groundwater supplies within the District for beneficial uses under Section 60224 of the California Water Code and the estimated costs of each recommended action, including but not limited to engineering and legal fees, expenses, and District overhead.

3. Staff shall deliver the report as requested herein on or before the second Tuesday in March 2019 or as otherwise specified under Section 60043 of the California Water Code.

PASSED, APPROVED AND ADOPTED this 6th day of February 2019.

______________________________
President, Board of Directors

ATTEST:

______________________________
Secretary, Board of Directors

Approved as to form:

Leal, Trejo LLP, Attorneys for the Water
Replenishment District of Southern California
MEMORANDUM
ITEM NO. 6

DATE: JANUARY 15, 2019

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: UPDATE REGARDING WRD 5-YEAR STRATEGIC PLAN

SUMMARY

Staff will provide options for the 2019 strategic planning retreat meeting date.

FISCAL IMPACT

No Impact

STAFF RECOMMENDATION

For discussion only.
DATE:       JANUARY 15, 2019

TO:         WATER RESOURCES COMMITTEE

FROM:       ROBB WHITAKER, GENERAL MANAGER

SUBJECT:    OPERATIONS UPDATE

SUMMARY

The intent of the Operations Update staff report/agenda item is to inform and update members of the Water Resources Committee on a regular and reoccurring basis about operational matters, technical issues, engineering plans, and various multi-agency strategies in regards to all of the District’s current and planned operational facilities.

Terminal Island Water Reclamation Plant (TIWRP) / Dominguez Gap Barrier Project (DGBP) Update

Highlights from the TIWRP / DGBP include the following:

• LASAN has continued to have issues with delivering recycled water due to problems with the AOP Unit. LASAN has continued to work with the manufacturer on resolving this and resumed intermittent production in November and December following a short-term fix.
• LASAN will be implementing an AOP Unit optimization this week and could see production before the end of the week (or beginning of next week).
• LASAN has indicated there may continue to be short periods (a couple of days here and there) over the next few months where their consultant will do follow-up testing and would need to stop delivery at these times.

Torrance Desalter Update

Highlights from the Torrance Desalter include the following:

• Production totaled approximately 50.3 million gallons for the month of December, with a plant on-line factor of 87%. Two, half-day shutdowns occurred for
chemical cleaning of the reverse osmosis (RO) membranes. The plant experienced a chemical leak at the sodium hypochlorite flowmeter on December 29th. Torrance operations staff identified the problem, and ordered replacement parts to make the repair.

- The RO Train #1 high pressure pump is currently at the Cortech facility for repair.
- Staff continues to collect information on all assets at the Desalter to build the database for implementation of the Computerized Maintenance Management System (CMMS). Nearly all assets (approximately 95%) have now been cataloged in the system. Data will then be sent to Woolpert (CMMS integrator) for review and assist District staff on uploading to the database.

Leo J. Vander Lans Facility (LVL) Update

Highlights from the LVL facility include the following:

- Repair work continues to address chemical/water leaks at the facility. Jamison Engineering is nearing completion of work, whereby a summary report will be assembled by WRD Engineering staff for both WRD and the Long Beach Water Department (LBWD) records. This also includes documenting the materials (piping, fittings, etc.), their materials of construction, and condition to ascertain the cause of the failures.
- Staff from the LBWD and WRD continue to review and address other action items for correction in preparation for a plant restart.
- Computerized Maintenance Management System (CMMS) continues to be utilized with oversight and support from WRD staff. To date, 509 electronic work orders (for maintenance-related issues) have been entered and/or processed through the system (vs. 444 reported last month).
- During the month of December 2018, 557.3 acre-feet (AF) of imported water from the LB07A connection was used to satisfy the barrier demand (vs. 508.3 AF the previous month).
  - Current barrier injection is approximately 4.26 mgd of imported water.

**FISCAL IMPACT**

None

**WATER RESOURCES COMMITTEE RECOMMENDATION**

The Water Resources Committee receive and file the report.
DATE: JANUARY 15, 2019

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER BASIN UPDATE

SUMMARY
Staff report is attached.

FISCAL IMPACT
None

STAFF RECOMMENDATION
The Water Resources Committee receive and file the report.
DATE: JANUARY 15, 2019
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: GROUNDWATER BASIN UPDATE

GROUNDWATER BASINS AT A GLANCE *

Precipitation % of Normal to Date
Oct. 1 - Jan. 7

Baseline, 113%
5.20 in.

GW Basin Operating Range

Minimum Quantity (0 AF)
Optimum Quantity (288K AF)

25%
71.4K AF

Basin Pumping (Q)
July - Oct.

FY17-18
FY18-19

Central Basin
West Coast Basin

217,300 AF Budget
96,775
14,464
82,311

94,300
11,986
82,314

Groundwater Levels - Key Wells

Groundwater Depth
(to sea level)

MFB
LAWN
CAR
LB

WRD Recharge - WY 2018-19

Spreading Grounds

RW - 7,427 AF
LW - 4,288 AF

Injection Barriers

RW - 1,787 AF
LW - 2,682 AF

Annual Target 125K AF
Annual Target 29K AF

Imported Water
Recycled Water
Local Water

* - Preliminary numbers, subject to change.
SUMMARY

Staff monitors groundwater conditions in its service area throughout the year. A summary of the latest information is presented below.

Precipitation (Oct 1 – Jan 7)
The WRD precipitation index reports that for the 2018-19 Water Year, there has been 5.20 inches of rainfall. The normal rainfall for this time period is 4.62 inches, so the District is 113% of normal. As of January 1, 2019, the U.S. Drought Monitor is reporting 92% of the State is abnormally dry, 75% is under drought conditions, 14% of the State is under severe drought conditions including most of Los Angeles County, and 2% of the State is under extreme drought (in portions of Santa Barbara, Ventura, and Los Angeles Counties).

Snowpack (Snow Water Content [SWE] as of January 3, 2019)
In 1929, the State established the California Cooperative Snow Surveys Program with the California Department of Water Resources as the coordinator. Today, over 50 state, national, and private agencies collaborate in collecting snow data from over 300 snow courses with more than 60 of the course being the original courses established in the early 1900’s. The average snow course is 1,000 feet long and consist of about 10 sample points. Anywhere from two to six courses are measured per day depending on weather and access method.

The snow survey is completed using a snow sampling tube equipped with a cutter on the end that is driven through the snow measuring the depth and obtaining a snow core. The snow core is then weighed and the snow water content (or snow water equivalent) calculated. The surveys are completed throughout the winter by returning to the same sample points throughout the season to observe the changing conditions. From February through May the data is used by the State to forecast snow melt runoff. Many snow courses are only measured on or around April 1st, and since it is presumed that the snow accumulates up to April 1st and melts thereafter, April 1st is the benchmark for historic data comparisons.

Snow Water Equivalent (SWE):
Northern Sierra Nevada – 6.9 inches, 62% of normal to date and 24% of April 1st average
Central Sierra Nevada – 7.9 inches, 68% of normal to date and 26% of April 1st average
Southern Sierra Nevada – 6.1 inches, 70% of normal to date and 24% of April 1st average
Statewide – 7.1 inches, 67% of normal to date and 25% of April 1st average
California Snow Water Content – Percent of April 1 Average For: 03–Jan–2019

NORTH
Percent of Apr 1 Avg: 24%
Percent of Normal: 62%

CENTRAL
Percent of Apr 1 Avg: 26%
Percent of Normal: 68%

SOUTH
Percent of Apr 1 Avg: 24%
Percent of Normal: 70%


Statewide Percent of average to date 67.0%
Reservoirs (as of January 6, 2019)
For all 16 reservoirs reported monthly to the committee, water levels have increased in 12 reservoirs compared to levels recorded in the previous month. Water levels rose the most at San Luis Reservoir (0.34 million acre feet), Lake Mead (0.24 million acre feet), and Lake Shasta (0.11 million acre feet). The largest decrease (-0.37 million acre feet) occurred at Lake Powell. The smallest decrease (<0.01 million acre feet) occurred at Castaic Lake and Diamond Valley Lake.

These 16 reservoirs are at 45% capacity (32.43 million acre feet) which is up 1% from the prior month (0.55 million acre feet State Water Project [SWP] and -0.13 million acre feet Colorado River Aqueduct [CRA]). The largest contributing factor to the change in reservoir storage is San Luis Reservoir (SWP) due to increased storage in the State’s 5th largest reservoir and Lake Powell (CRA) due to lower river flows as a result of the ongoing drought in the Pacific Southwest.

### Storage in Million Acre Feet

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Capacity</th>
<th>Storage</th>
<th>% Full</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trinity Lake</td>
<td>2.45</td>
<td>1.46</td>
<td>60%</td>
<td>0.01</td>
</tr>
<tr>
<td>Lake Shasta</td>
<td>4.55</td>
<td>2.29</td>
<td>50%</td>
<td>0.11</td>
</tr>
<tr>
<td>Lake Oroville</td>
<td>3.54</td>
<td>1.04</td>
<td>29%</td>
<td>0.02</td>
</tr>
<tr>
<td>Folsom Lake</td>
<td>0.98</td>
<td>0.31</td>
<td>32%</td>
<td>-0.02</td>
</tr>
<tr>
<td>New Melones</td>
<td>2.40</td>
<td>1.80</td>
<td>75%</td>
<td>0.03</td>
</tr>
<tr>
<td>Don Pedro</td>
<td>2.03</td>
<td>1.43</td>
<td>70%</td>
<td>0.02</td>
</tr>
<tr>
<td>Lake McClure</td>
<td>1.02</td>
<td>0.57</td>
<td>55%</td>
<td>0.00</td>
</tr>
<tr>
<td>San Luis</td>
<td>2.04</td>
<td>1.54</td>
<td>76%</td>
<td>0.34</td>
</tr>
<tr>
<td>Millerton Lake</td>
<td>0.52</td>
<td>0.30</td>
<td>58%</td>
<td>0.01</td>
</tr>
<tr>
<td>Pine Flat</td>
<td>1.00</td>
<td>0.33</td>
<td>33%</td>
<td>0.05</td>
</tr>
<tr>
<td>Castaic Lake</td>
<td>0.33</td>
<td>0.26</td>
<td>79%</td>
<td>0.00</td>
</tr>
<tr>
<td>Lake Perris</td>
<td>0.13</td>
<td>0.11</td>
<td>87%</td>
<td>0.00</td>
</tr>
<tr>
<td>Silverwood</td>
<td>0.08</td>
<td>0.07</td>
<td>91%</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### MWD Reservoirs (CRA)

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Capacity</th>
<th>Storage</th>
<th>% Full</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Powell</td>
<td>24.30</td>
<td>10.11</td>
<td>42%</td>
<td>-0.37</td>
</tr>
<tr>
<td>Mead</td>
<td>26.12</td>
<td>10.12</td>
<td>39%</td>
<td>0.24</td>
</tr>
<tr>
<td>DVL</td>
<td>0.81</td>
<td>0.70</td>
<td>87%</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Black Text - Decrease or no change in storage since the last report.
Green Text - Increase in storage since the last report.

Charts illustrating Lake Shasta (SHA) and Lake Oroville (ORO) are currently filling.
Groundwater Levels (through January 4, 2019)
Groundwater levels in key monitoring wells are shown in the hydrographs below.

<table>
<thead>
<tr>
<th>Well Name</th>
<th>Since Last Report</th>
<th>Since Same Time the Previous Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Basin Key Well 1601T</td>
<td>Increased 3.4 feet</td>
<td>Decreased 10.1 feet</td>
</tr>
<tr>
<td>Central Basin Key Well Long Beach #6_4</td>
<td>Increased 2.3 feet</td>
<td>Decreased 20.3 feet</td>
</tr>
<tr>
<td>West Coast Basin Key Well Lawndale #1_4</td>
<td>Decreased 0.1 foot</td>
<td>Increased 4.0 feet</td>
</tr>
<tr>
<td>West Coast Basin Key Well Carson #1_2</td>
<td>Increased 0.4 foot</td>
<td>Increased 6.9 feet</td>
</tr>
</tbody>
</table>

Central Basin Key Well Long Beach #6 and West Coast Basin Key Wells Lawndale #1 & Carson #1 are in a confined aquifer and do not respond readily to rainfall but instead to changes in pumping patterns and barrier recharge.

Central Basin Key Well 1601T is between the two spreading grounds and rises rapidly with rainfall and replenishment but falls sharply during dry spells and lack of replenishment.
Optimum and Minimum Groundwater Quantity

In response to a 2002 State audit of the District’s activities, the Board of Directors adopted an Optimum and Minimum Quantity for groundwater in the District to define an appropriate operating range that would sustain adjudicated pumping rights, leave room for future storage projects, and identify a lower limit. The amounts are based on the accumulated overdraft concept, which the District tracks year by year based on changes in groundwater storage.

After an extensive review of over 70 years of water level fluctuations and discussions with the Board and pumping community, Water Year 1999/2000 was recognized as a representative year for the Optimum Quantity, which equated to an accumulated overdraft of approximately 612,000 acre-feet. The Minimum Quantity was defined as an accumulated overdraft of 900,000 acre-feet, which allowed an operating range from 0 acre-feet (minimum) to 288,000 acre-feet (optimum). The Board also adopted a policy to make-up the groundwater deficit should the accumulated overdraft fall too far below the Optimum Quantity.

The Accumulated Overdraft at the end of December 2018 has been estimated at 828,600 acre-feet (subject to change), or 71,400 acre-feet above the Minimum Quantity and 216,600 acre-feet below the Optimum Quantity.

Montebello Forebay Spreading Grounds (November 2018)
The following Chart shows the preliminary spreading grounds replenishment water:
The District budgeted for 8,000 acre-feet of imported water for replenishment in Fiscal Year 2018-19 which began delivery on December 24, 2018.

Preliminary numbers for the first two months of the 2018-19 Water Year show that 7,427 acre-feet of recycled water has been recharged, which is below the year to date target amount of 9,295 acre-feet. The 120-month running average of recycled water contribution in the Montebello Forebay is 39.3% and the regulatory maximum is 45%, with additional studies and monitoring being required once 40% is reached.

Local water (stormwater plus dry weather urban runoff) is captured by the Los Angeles County Department of Public Works (LACDPW) at the spreading grounds for recharge. Local water amounts are determined as the sum of the total waters conserved at the spreading grounds less the imported and recycled water deliveries. For the first two months of the 2018-19 Water Year, 4,288 acre-feet of local water capture has been reported by the LACDPW which is below the year to date target amount of 5,900 acre-feet.

During the California-Nevada Drought Early Warning System (CA-NV DEWS), November 2018, Drought & Climate Outlook Webinar it was suggested that conditions are favorable for the development of an El Niño this year. Due to the holiday there was not a Drought & Climate Outlook Webinar in December. The next Webinar is scheduled for January 28, 2019, pending the current partial closure of the U.S. Government. If the government shutdown persists, there will not be a January webinar “due to a lapse in appropriation.”

As stated in the November Webinar, Equatorial sea surface temperatures are above average across most of the Pacific Ocean but a warm northern Pacific creates some uncertainty as to what will form since this scenario has not been observed in the recent past. However, in November, it was predicated that there was an 80% chance of an El Niño developing and continue through the Northern Hemisphere in winter 2018-19 and as the season progressed into spring the chance of an El Niño would decrease to 55-60%. The latest data from the National Oceanic and Atmospheric Administration (NOAA; January 4), indicates a continuation of this pattern of sea surface temperatures and the acknowledgment of a slight to weakly moderate El Niño existing in the Northern Hemisphere at the start of winter 2018-19.
Preliminary numbers for the first two months of the 2018-19 Water Year show that the West Coast Barrier used 862 acre-feet of imported water and 1,787 acre-feet of recycled water, or 67% recycled water. The Dominguez Gap Barrier used 1,175 acre-feet of imported water and 0 acre-feet of recycled water. The Alamitos Barrier, on the WRD side, used an estimated 646 acre-feet of imported water and 0 acre-feet of recycled water.

**Pumping (November 2018* and Fiscal Year to Date)**

Preliminary numbers for groundwater production in the District for the first two months of the 2018-19 Water Year indicate that 34,987 acre-feet were pumped compared to 36,961 acre-feet the year previous, or a decrease of 1,974 acre-feet (-5.3%). In the Central Basin, pumping was 1,259 acre-feet lower than the previous water year (-4.0%) and the West Coast Basin pumping was down 715 acre-feet from the previous water year (-13.1%). The Chart below shows Water Year 2018-19 pumping versus Water Year 2017-18.

Preliminary numbers for groundwater production in the District for the Fiscal Year 2018-19 (July 2018 – June 2019) indicate pumping in the Central Basin was up 3 acre-feet from the same time of the previous fiscal year (0.0%) and the West Coast Basin pumping was 2,478 acre-feet lower than the previous fiscal year (-17.1%). The total pumping is 94,300 acre-feet compared to 96,775 acre-feet during the same time the previous year for a decrease of
2,475 acre-feet, or -2.6%. The current pumping data do not include three Central Basin pumpers and two West Coast Basin pumpers totaling an estimated 22 additional acre-feet.

**FISCAL IMPACT**

None.

**STAFF RECOMMENDATION**

The Water Resources Committee receive and file the report.