MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712
11:00 A.M., THURSDAY, MARCH 12, 2015
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" MAY ALSO BE THE SUBJECT OF ANY 'ACTION' TAKEN BY THE BOARD OR A COMMITTEE AT THE SAME MEETING.

1. DETERMINATION OF A QUORUM
2. PUBLIC COMMENT
3. REPORT (S)
   A. Minutes of the Meeting of January 8, 2015
      Staff Recommendation: Approve as submitted.
   B. Groundwater Basin Update
      Staff Recommendation: For information.
   C. Groundwater Basins Master Plan Update
      Staff Recommendation: For information.
   D. Groundwater Reliability Improvement Program (GRIP) Update
      Staff Recommendation: For information.
4. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF
5. ADJOURNMENT

The Water Resources Committee will adjourn to its next regular meeting currently scheduled for Thursday, April 9, 2015 at 11:00 a.m.
Agenda posted by Deputy Secretary Abbie Andom on March 4, 2015.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the Board meeting, please contact Chief Financial Officer Scott Ota 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 Chief Financial Officer before the District’s final action on a matter will become a part of the administrative record.
MINUTES OF JANUARY 8, 2015
MEETING OF THE WATER RESOURCES COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA

A meeting of the Water Resources Committee of the Board of Directors of the Water Replenishment District of Southern California was held on Thursday, January 8, 2015 at 8:35 a.m., at the District Office, 4040 Paramount Boulevard, Lakewood, California 90712. Director Rob Katherman called the meeting to order and presided thereafter. Deputy Secretary Abigail C. Andom recorded the minutes.

1. DETERMINATION OF A QUORUM
Attendees at the meeting were as follows:
Committee: Directors Rob Katherman and John D. S. Allen
Staff: Robb Whitaker, Ken Ortega, Ted Johnson, Jason Weeks, Everett Ferguson, Jim McDavid, Esther Rojas

2. PUBLIC COMMENT
The Committee welcomed Rancho Palos Verdes Councilmember Anthony Misetich.

3. GROUNDWATER BASIN UPDATE
Senior Hydrogeologist Everett Ferguson provided an update on the groundwater conditions in the Central and West Coast Basins. Mr. Ferguson highlighted the following:
- Precipitation – there has been 5.16 inches of rainfall since the start of the Water Year on October 1, 2014. The District is about 60 percent above normal to date. However, despite the rainfall, the State continues to be under severe to exceptional drought conditions as reported by the U.S. Drought Monitor.
- Groundwater levels - groundwater levels in Central Basin Key Well 1601T rose about 2.3 feet in December, West Coast basin Key Well Carson #1 rose 0.2 foot this past month.
- Montebello Forebay Spreading Grounds – about 9,700 acre feet of recycled water was recharged for the first two months of the Water Year. In November, 214 acre feet of stormwater was captured and spread by the County.
- Replenishment water update – Discussion appear favorable for partial delivery of WRD’s February 2014 order of 60,000 acre feet of imported replenishment water to take place in 2015.
- Pumping – 20,525 acre feet was pumped compared to 19,494 acre feet the previous year, an increase of 1,031 acre feet or 5.3%. Central Basin pumping was 10.3% higher than previous year and West Coast Basin pumping was down 14.9% from previous year.
4. **GROUNDWATER BASINS MASTER PLAN UPDATE**
Manager of Water Resources Jason Weeks stated that staff continues work on the development of the Groundwater Basins Master Plan for the West Coast Basin and Central Basin. Mr. Weeks stated that consultant and staff updated the administrative draft of the Programmatic Environmental Impact Report (PEIR) and the project schedule. He noted that the 45-day review period for the PEIR is expected to commence in February 2015.

5. **GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE**
Assistant General Manager/Chief Engineer Ken Ortega provided an update on the Groundwater Reliability Improvement Program (GRIP) project. Mr. Ortega stated that bids for the construction of the turnout structures are out in the street with construction activities expected to commence by early spring 2015.

Mr. Ortega noted that escrow on the Pico Rivera site of the advanced water treatment facility site is expected to close early next week. He stated that design, bid, build (DBB) demolition activities are expected to commence by summer of 2015.

Lastly, Mr. Ortega stated that work continues on the recirculated draft environmental impact report providing alternatives which would eliminate the main concern. He stated that ground breaking is expected to commence by early 2016.

6. **CONSIDERATION OF RESOLUTION NO. 15-1001 – ORDERING THE PREPARATION OF THE ANNUAL ENGINEERING SURVEY AND REPORT (ESR) PURSUANT TO WATER CODE §60300**
Chief Hydrogeologist Ted Johnson stated that pursuant to Water Code §60300, the District orders the preparation of the Engineering Survey and Report (ESR). He explained that the ESR determines, among other things, the following groundwater conditions in the Central and West Coast Basins: amount of pumping, water levels, annual overdraft, accumulated overdraft, change in storage, and the amount of replenishment water needed and its costs for the ensuing year. He noted that information along with the budget forecasts provide the Board of Directors with the necessary information to determine the Replenishment Assessment (RA) for Fiscal Year 2015-16.

The Committee unanimously recommended the Board adopt Resolution No. 15-1001 ordering the preparation of the 2015 Engineering Survey and Report per the requirements of Water Code §60300.
7. NO-COST TIME EXTENSION WITH RUTH VILLALOBOS & ASSOCIATES
   The Committee unanimously recommended the Board approve a no-cost
time extension contract amendment with Ruth Villalobos & Associates,
extending the term to June 30, 2015, subject to approval of form by
District Counsel.

8. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF
   None.

9. ADJOURNMENT
   The Water Resources Committee will meet every second Thursday of the month
   at 11:00 a.m.

   With no further business for the Committee, the meeting was adjourned at
   9:25 a.m.

   ________________________________
   Chair

   ATTEST:

   ________________________________
   Member
DATE: MARCH 12, 2015
TO: WATER RESOURCES COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER BASIN UPDATE

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

Precipitation
The WRD precipitation index reports that as of March 2, 2015, there has been 7.45 inches of rainfall since the start of the Water Year on October 1, 2014. Normal for this time of year is 11.36 inches, so the District is 34% below normal. Despite the recent rain, over 90% of the State continues to be under severe to exceptional drought conditions as reported by the U.S. Drought Monitor (as of February 24, 2015).

Groundwater Levels
Groundwater levels in key monitoring wells are shown in the hydrographs below. 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. Groundwater levels in the well decreased 1.0 foot in February. West Coast Basin Key Well Carson #1 is in the confined aquifers and does not respond readily to rainfall but instead to changes in pumping patterns and barrier recharge. Water levels decreased 0.9 foot this past month.
Montebello Forebay Spreading Grounds (January 2015)
The following Chart shows the preliminary spreading grounds replenishment water to date:

Preliminary numbers for the first four months of the water year show 18,383 acre-feet of recycled water was recharged, which is near the target amount of 18,333 acre-feet. Due to the continuing drought conditions, aggressive recharge of recycled water continued while keeping within regulatory limits. Currently, the 10-year running average of recycled water contribution in the Montebello Forebay is 32% and the regulatory maximum is 45%.

The rain events of late November and early December provided stormwater replenishment to the spreading grounds, but January was very dry. Through the end of January, approximately 12,889 acre-feet of stormwater have been captured and spread by the DPW.

Deliveries of WRD’s February 2014 order for 60,000 acre-feet of imported replenishment water have been delayed due to drought. In January 2015, MWD committed to delivering 25,000 acre-feet of the 60,000 acre-feet order and started flows in that month. Some of this water will soak into and replenish the Main San Gabriel Basin before it reaches WRD, and an accounting will be made at the end of the delivery to determine invoicing between the two basins. Through the end of January, 2,867 acre-feet have been released from MWD connection.
CENB-48. Preliminary numbers for the first month show that 1,620 acre-feet of the imported water (57%) reached WRD and was recharged.

Seawater Barrier Well Injection and Replenishment (January 2015): The following Chart shows the barrier water injection to date.

Preliminary numbers for the first four months of the water year show that the West Coast Barrier used 1,388 acre-feet of imported water and 5,356 acre-feet of recycled water, or 79% recycled water. The Dominguez Gap Barrier used 1,220 acre-feet of imported water and 1,490 acre-feet of recycled water, or 55% recycled water. The Alamitos Barrier on the WRD side used 1,562 acre-feet of imported water and only 281 acre-feet of recycled water as the start-up of the expanded Leo J. Vander Lans recycled water plant continued in the month. The plant became fully operational in December and underwent final “shakedown” activities in January. Training of LBWD staff was completed in February and WRD staff is currently working to maximize recycled water at the barrier.

In-Lieu Replenishment Water
In December 2014, the City of Long Beach commenced their 10,000 AF In-Lieu replenishment water program which will be completed by April 30, 2015.
Pumping (December 2014)
Preliminary numbers for groundwater production in the District during the first three months of the water year indicate that 53,430 acre-feet were pumped compared to 53,777 acre-feet the year previous, or an decrease of 347 acre-feet (0.6%). In the Central Basin, pumping was 1,209 acre-feet higher than the previous year during the same time period (2.8%) and the West Coast Basin was down 1,555 acre-feet from the previous year (-14.4%). The Chart below shows the current year pumping versus last year’s pumping.

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FISCAL IMPACT
For information.

STAFF RECOMMENDATION
For information.
DATE: MARCH 12, 2015

TO: WATER RESOURCES COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: GROUNDWATER BASINS MASTER PLAN UPDATE

SUMMARY
District staff and its consultants are continuing work on the development of a Groundwater Basins Master Plan (Plan) for the West Coast Basin and Central Basin, and the development of a Programmatic Environmental Impact Report (PEIR) for this Plan.

The focus over the previous month was a final review of the draft PEIR project description and its integration with other ongoing District efforts. District staff will provide the Committee with an update on the development of the PEIR and a project schedule for its completion.

FISCAL IMPACT
None.

STAFF RECOMMENDATION
For information.
DATE:          MARCH 12, 2015
TO:            WATER RESOURCES COMMITTEE
FROM:          ROBB WHITAKER, GENERAL MANAGER
SUBJECT:       GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) UPDATE

SUMMARY
GRIP is an ongoing program to develop alternative replenishment water sources for the Montebello Forebay. GRIP includes various program elements including two new turnout structures and an advanced water treatment facility (AWTF). Staff continues work on amending the environmental documents with the issuance of the Notice of Availability for the draft EIR expected to be published on March 25, 2015. The issuance of request for qualifications (RFQ) for the procurement of an Owner’s Engineer/Owner’s Agent (OE/OA) was released February 13, 2015 and a mandatory pre-proposal meeting was held on February 25, 2015. The 15% basis of design report has also been completed.

Staff will provide an update of recent activities and progress as it relates to GRIP project elements.

FISCAL IMPACT
None at this time.

STAFF RECOMMENDATION
For information.