MEETING OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CALIFORNIA 90712

2:00 P.M., THURSDAY, SEPTEMBER 15, 2016
(OPEN SESSION MEETING AT 2:30 P.M.)

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. CLOSED SESSION 2:00-2:30 P.M.
   A. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
      Name of Case: Tesoro Refining v. Water Replenishment District, LASC Case No. BS134239
   B. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code §54956.9
      Name of Case: LAUSD v County of Los Angeles, et al., LASC Case No. BS108180
   C. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
      Name of Case: Albert Robles v. Water Replenishment District, No Case No.
   D. Conference with Legal Counsel – Anticipated Litigation, pursuant to Government Code §54956.9 (b), Two Cases

OPEN SESSION MEETING 2:30 P.M.

4. CLOSED SESSION REPORT

5. PLEDGE OF ALLEGIANCE
6. INVOCATION

7. PUBLIC COMMENT
Pursuant to Government Code Section 54954.3.

8. ADDITIONAL ITEMS TO THE AGENDA
Determine the need to add items to the agenda. In order for the Board to add an item to the agenda it must make a determination that: (i) The item came to the attention of the Board after the posting of the agenda; (ii) That there is a need for immediate action to be taken by the Board. If these two tests are met, the Board may add the item in question to the agenda for consideration consistent with the provisions of the Brown Act.

9. CONSENT CALENDAR
A. APPROVAL OF MINUTES OF JULY 21, AUGUST 4 and AUGUST 18, 2016
   Staff Recommendation: The Board of Directors approve as submitted.

B. WRD BUILDING RENOVATION PROJECT – PURCHASE OF FURNITURE SUPPLY AND INSTALLATION SERVICES
   Capital Improvement Projects Committee Recommendation: The Board of Directors authorize the General Manager to execute a professional services agreement with System Source, Inc., subject to District Counsel approval as to form, for furniture and installation services for a total amount of $85,350, plus a 10% contingency allowance of $8,535, for a total not to exceed project budget amount of $93,885.

C. AWARD OF CONSTRUCTION CONTRACT FOR RELOCATION OF OBSTRUCTING UTILITIES ENCOUNTERED DURING THE CONSTRUCTION OF THE BRINE DISPOSAL PIPELINE FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP)
   Capital Improvement Projects Committee Recommendation: The Capital Improvement Projects Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors authorize the General Manager to execute a contract with Pico Water District to perform the subject work.

10. AUTHORIZATION TO EXECUTE AMENDMENT NO. 2 TO AGREEMENT WITH GHD FOR PHASE 3: OWNER’S ENGINEER/OWNER’S AGENT (OE/OA) SERVICES FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM’S ADVANCED WATER TREATMENT FACILITY (GRIP AWTF)
    Capital Improvement Projects Committee Recommendation: The Board of Directors execute Amendment No. 2 to agreement with GHD, subject to District Counsel approval as to form, for Phase 3: Owner’s Engineer/Owner’s Agent (OE/OA) services for the Groundwater Reliability Improvement Program’s Advanced Water Treatment Facility (GRIP AWTF) for a total contract amount of
$5,486,000, plus a 10% contingency allowance of $549,000, for a total project budget amount of $6,035,000.

11. ADOPTION OF GROUNDWATER BASIN MASTER PLAN AND CERTIFICATION OF PROGRAMMATIC ENVIRONMENTAL IMPACT REPORT (PEIR)
   

12. ADOPTION OF UPDATED FIVE YEAR CAPITAL IMPROVEMENT PROGRAM (CIP) FOR FISCAL YEARS 2016-17 THROUGH 2020-21
   
   Technical Advisory Committee Recommendation: The Technical Advisory Committee recommends that the Board of Directors adopt the updated Five-Year Capital Improvement Program for Fiscal Years 2016-17 through Fiscal Years 2020-21 as submitted and authorize staff to file a Notice of Exemption from CEQA.

13. ADOPTION OF WRD STRATEGIC PLAN
   
   Staff Recommendation: The Board of Directors adopt the WRD Strategic Plan.

14. LOS ANGELES BUSINESS COUNCIL MEMBERSHIP DUES
   
   Staff Recommendation: The External Affairs Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors approve the LABC Executive Membership Level for an amount not to exceed $2,000.

15. COUNCIL FOR WATERSHED HEALTH 20TH ANNIVERSARY EVENT
   
   Staff Recommendation: The External Affairs Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors approve sponsorship for Council for Watershed Health 20th Anniversary Event for an amount not to exceed $2,500.

16. COUNTY OF LOS ANGELES WOMEN’S LEADERSHIP COUNCIL CONFERENCE
   
   Staff Recommendation: The External Affairs Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors approve the sponsorship for County of Los Angeles Women’s Leadership Council Cofer for an amount not to exceed $1,500.

17. DISTRICT COUNSEL’S REPORT

18. GENERAL MANAGER’S REPORT

19. AB 1234 COMPLIANCE REPORTS AND DIRECTORS’ REPORTS
20. **WRD BOARD MEETING DATES**

   A. October 6, 2016 – 2:00 p.m – Regular Board of Directors Meeting  
   B. October 20, 2016 – 2:00 p.m – Regular Board of Directors Meeting  
   C. November 3, 2016 – 2:00 p.m – Regular Board of Directors Meeting  
   D. November 17, 2016 – 2:00 p.m. – Regular Board of Directors Meeting

21. **ADJOURNMENT**

   The Board will adjourn to the next regular Board of Directors meeting currently scheduled for October 6, 2016 at 2:00 p.m.

Agenda posted by Tracey Burke, Senior Administrative Specialist on September 12, 2016. In compliance with ADA requirements, this document can be made available in alternative formats upon request.
A meeting of the Board of Directors of the Water Replenishment District of Southern California was held on Thursday, July 21, 2016 at 12:40 P.M., at the District Office, 4040 Paramount Boulevard, Lakewood, California 90712. President Willard H. Murray, Jr. called the meeting to order and presided thereafter. Acting Deputy Secretary Sherri Brown recorded the minutes.

1. **DETERMINATION OF A QUORUM**
   President Murray declared that a quorum of Directors was present, which, in addition to himself, included Directors Robert Katherman and John D. S. Allen. Directors Albert Robles and Sergio Calderon arrived during Closed Session.

2. **PUBLIC COMMENT**
   Pursuant to Government Code Section 54954.3
   None.

3. **CLOSED SESSION 12:00-1:00 P.M.**
   A. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
      Name of Case: *Tesoro Refining v. Water Replenishment District*,
      LASC Case No. BS134239
   B. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code §54956.9
      Name of Case: *LAUSD v County of Los Angeles, et al.*,
      LASC Case No. BS108180
   C. Conference with real property negotiator pursuant to Govt. Code Section 54956.8:
      Agency negotiator: Assistant General Manager
      Property: APN: 7149-004-009
   D. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
      Name of Case: *Albert Robles v. Water Replenishment District*,
      No Case No.
OPEN SESSION MEETING 1:00 P.M.

4. CLOSED SESSION REPORT
The Board reconvened in Open Session at 1:36 P.M. Interim General Counsel H. Francisco Leal stated that a status report for items A, C, and D was provided by staff and Counsel with no formal action taken by the Board, and item B was not discussed.

5. PLEDGE OF ALLEGIANCE
Chief Hydrogeologist Ted Johnson led the Pledge of Allegiance.

6. INVOCATION
Director Sergio Calderon gave the Invocation.

7. PUBLIC COMMENT
Pursuant to Government Code Section 54954.3.
The Board received one comment card from Mr. Jim Kennedy of Playa del Rey. Mr. Kennedy requested an update of the Tesoro-Valero dispute and funding of legal fees for sitting Board members. He also referred to a newspaper article that referenced a meeting between Director Robles and the District Attorney’s office. Director Robles responded to Mr. Kennedy’s inquiries. He said the District is not paying legal fees for a sitting Board member; and addressed the question about the meeting by saying the meeting, which was a mandatory settlement conference, did not occur and the matter was continued. Interim District Counsel Leal reiterated that the District is not paying any legal fees for any Board member. There were no further comments.

8. ADDITIONAL ITEMS TO THE AGENDA
None.

9. CONSENT CALENDAR

A. NOTICE OF COMPLETION FOR THE ROBERT W. GOLDSWORTHY DESALTER EXPANSION, NEW SOURCE WATER WELLS PROJECT

B. APPROVAL OF NO-COST TIME EXTENSION WITH CH2MHILL FOR MONTEBELLO FOREBAY RECHARGE ENHANCEMENT STUDY

C. AWARD OF PROFESSIONAL SERVICES CONTRACT TO ENVIRONMENTAL SCIENCE ASSOCIATES (ESA) TO PROVIDE ENVIRONMENTAL MONITORING SERVICES FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM ADVANCED WATER TREATMENT FACILITY (GRIP AWTF) PROJECT

D. SELECTION OF CITYWORKS COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM (CMMS) SOFTWARE
E. SELECTION OF WOOLPERT TO PROVIDE IMPLEMENTATION OF THE
COMPUTERIZED MAINTENANCE MANagements SYSTEM (CMMS)
SOFTWARE

F. AMENDMENT NO. 2 OF PROFESSIONAL SERVICES AGREEMENT NO.
816 WITH GHD REGARDING ASSET MANAGEMENT MASTER PLAN
REGARDING IMPLEMENTATION OF COMPUTERIZED MAINTENANCE &
MANAGEMENT SYSTEM (CMMS) PHASE 1 - PILOT PROJECT

G. REVIEW OF LEO J. VANDER LANS WATER LEAK REPAIR EMERGENCY
ACTION IN ACCORDANCE WITH PUBLIC CONTRACT CODE SECTION
22050

Upon a motion duly made by Director Allen, seconded by Director
Katherman, and unanimously approved by roll call vote, it was

RESOLVED: That the Board approves the Consent
Calendar of July 21, 2016 as submitted.

10. DIRECTORS’ COMPENSATION – CONSIDERATION OF RESOLUTION NO. 16-
1037 – A RESOLUTION OF THE BOARD OF DIRECTORS OF THE WATER
REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA (WRD)
AUTHORIZING REVISION OF THE DISTRICT’s ADMINISTRATIVE CODE

President Murray removed this item from the agenda and referred it back to the
Administrative Committee.

11. DISTRICT COUNSEL’S REPORT
None.

12. GENERAL MANAGER’S REPORT

General Manager Robb Whitaker referred to his written report. He added that the
City of Pico Rivera Planning Commission unanimously approved WRD’s Conditional
Use Permit for the Advanced Water Treatment portion of the Groundwater
Reliability Improvement Project, which is a significant milestone.

13. AB 1234 COMPLIANCE REPORTS AND DIRECTORS’ REPORTS

Director Allen reminded the Board and staff that there was an Annual Strategic
Workshop in late January 2016, which was attended by federal, state and local
lobbyists. He said they suggested another workshop be held soon after elections in
mid-November. Director Allen had asked that staff create a placeholder, which is
tentatively November 15, 2016. Mr. Whitaker confirmed intent to finalize the
tentatively scheduled date for participants.

Directors Katherman, Robles and Calderon stated they will submit their reports in
writing.
14. **WRD BOARD MEETING DATES**
   A. August 4, 2016 – 12:00 p.m. – Regular Board of Directors Meeting
      - Director Allen will not be in attendance for this meeting.
   B. August 18, 2016 – 12:00 p.m. – Regular Board of Directors Meeting
   C. September 1, 2016 – 12:00 p.m. – Regular Board of Directors Meeting
   D. September 15, 2016 – 12:00 p.m. – Regular Board of Directors Meeting

15. **ADJOURNMENT**
    There being no further business to come before the Board, a motion was duly made by Director Katherman and seconded by Director Allen, and unanimously approved by roll call vote, the meeting adjourned at 1:50 P.M.

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Chair

ATTEST:

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Member

Approved in minutes of:

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A meeting of the Board of Directors of the Water Replenishment District of Southern California was held on Thursday, August 4, 2016 at 1:13 P.M., at the District Office, 4040 Paramount Boulevard, Lakewood, California 90712. President Willard H. Murray, Jr. called the meeting to order and presided thereafter. Acting Deputy Secretary Sherri Brown recorded the minutes.

1. **DETERMINATION OF A QUORUM**
   President Murray declared that a quorum of Directors was present, which, in addition to himself, included Directors Sergio Calderon, Robert Katherman and Albert Robles. Director John D. S. Allen was absent.

2. **PUBLIC COMMENT**
   Pursuant to Government Code Section 54954.3
   None.
   President Murray declined the request made by Interim District Counsel Francisco Leal to proceed to the agenda items before Closed Session. The Board of Directors recessed to Closed Session at this time.

3. **CLOSED SESSION 12:00-1:00 P.M.**
   A. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
   Name of Case: *Tesoro Refining v. Water Replenishment District*, LASC Case No. BS134239
   
   B. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code §54956.9
   Name of Case: *LAUSD v County of Los Angeles, et al.*, LASC Case No. BS108180
   
   C. Conference with real property negotiator pursuant to Govt. Code Section 54956.8:
   Agency negotiator: Assistant General Manager
   Property: APN: 7149-004-009
   
   D. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
   Name of Case: *Albert Robles v. Water Replenishment District*, No Case No.
   
   E. Conference with Legal Counsel – Anticipated Litigation, pursuant to Government Code §54956.9 (b), One Case
OPEN SESSION MEETING 1:00 P.M.

4. CLOSED SESSION REPORT
   The Board reconvened in Open Session at 1:19 P.M. The Closed Session Report was not provided at this time.

5. PLEDGE OF ALLEGIANCE
   Hal Estabrook led the Pledge of Allegiance.

6. INVOCATION
   Director Sergio Calderon gave the Invocation.

7. PUBLIC COMMENT
   Pursuant to Government Code Section 54954.3.

   Director Robles requested a water status report from Chief Hydrogeologist Ted Johnson. Mr. Johnson reported that precipitation in Southern California was only about 44% of normal rainfall and is in its fifth year of drought conditions. He said there has been a reduction in stormwater capture as a result of the diminished rainfall. He stated that water levels are actually higher than they were this time last year due to purchasing imported water. He said that a forecast for the upcoming year is still too far out to predict; however, there is optimism that La Niña may provide more precipitation.

   Mr. Johnson stated that October 1, 2016 is when the order for 38,000 acre-feet of imported water will begin, of which 16,000 is the normal purchase and 22,000 is from water that was purchased in previous years when the money was available to make the purchase. He reported that also in October the Dominguez Gap Barrier is expected to get approval to go to 100% recycled water, which is in the package from the WIN Program. He said WRD has been working with the City of Los Angeles, which operates the treatment plant and staff has a meeting scheduled with the Water Board this week. He estimates that after the permit is granted, it should take a few months to ramp up, then be at 100% recycled in early 2017. Discussion followed.

8. ADDITIONAL ITEMS TO THE AGENDA
   None.

9. CONSENT CALENDAR
   A. APPROVAL OF MINUTES OF APRIL 7 AND MAY 5, 2016
   B. DEMANDS – APRIL 2016
   C. FINANCIAL STATEMENTS – APRIL 2016
   D. RESERVES, CASH AND INVESTMENT REPORT FOR THE PERIOD ENDING APRIL 30, 2016
E. TRUST FUND REPORT FOR THE PERIOD ENDING APRIL 30, 2016

F. CONTRACT EXTENSION WITH WEST BASIN MWD FOR GROUNDWATER SAMPLING AT WEST COAST BASIN SEAWATER BARRIER WELLS

G. IMPLEMENTATION SERVICES FOR AGENDA DEVELOPMENT AND ARCHIVAL SYSTEM

H. VOICE OVER INTERNET PROTOCOL (VOIP) PHONE SYSTEM UPGRADE PROJECT SYSTEM

I. NOTICE OF COMPLETION FOR THE DECONSTRUCTION OF 4320, 4330, AND 4334 SAN GABRIEL RIVER PARKWAY PROJECT

Upon a motion duly made by Director Robles, seconded by Director Katherman and unanimously approved by roll call vote, with Director Allen absent, it was

RESOLVED: That the Board approves the Consent Calendar of August 4, 2016 as submitted.

President Murray requested General Manager Robb Whitaker provide a report on current local water-related events and activities. Mr. Whitaker began with an update of the Groundwater Reliability Improvement Project. He stated that the Conditional Use Permit Hearing that was held about two weeks ago passed without any protests. He reported that 24-hour drilling of pilot holes started for the injection/storage wells nearly a week ago with no noise grievances reported.

Mr. Whitaker said construction in the intersection of San Gabriel River Parkway and Beverly Boulevard will be starting as early as this Saturday morning, and that notices and information have been sent out to the neighboring residents. He said there is also a hotline that is being monitored during business hours and after hours for calls relating to the construction. This concluded his report, and there was no further discussion.

10. DISTRICT COUNSEL’S REPORT
Interim General Counsel H. Francisco Leal provided the Closed Session Report at this time. He stated that items A, B, C, and D were not discussed; and a status report for item E was provided by staff and Counsel with no formal action taken by the Board.

11. AB 1234 COMPLIANCE REPORTS AND DIRECTORS’ REPORTS
Directors Robles, Katherman and Calderon stated they will submit their reports in writing.

12. WRD BOARD MEETING DATES
   A. August 18, 2016 – 12:00 p.m. – Regular Board of Directors Meeting
   B. September 1, 2016 – 12:00 p.m. – Regular Board of Directors Meeting
C. September 15, 2016 – 12:00 p.m. – Regular Board of Directors Meeting
D. October 6, 2016 – 12:00 p.m. – Regular Board of Directors Meeting

President Murray announced that the times for Capital Improvement Committee and Board of Directors meetings will be changing, effective immediately. CIP Committee meetings will begin at 2:00 P.M.; Board of Directors meetings will begin with Closed Session at 2:00 P.M. and Open Session to begin at 2:30 P.M.

13. ADJOURNMENT

There being no further business to come before the Board, a motion was duly made by Director Calderon and seconded by Director Robles to adjourn at 1:42 p.m.

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Chair

ATTEST:

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Member

Approved in minutes of:

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A meeting of the Board of Directors of the Water Replenishment District of Southern California was held on Thursday, August 18, 2016 at 2:13 P.M., at the District Office, 4040 Paramount Boulevard, Lakewood, California 90712. Chairman Pro Tem Rob Katherman called the meeting to order and presided thereafter. Senior Administrative Specialist Tracey Burke recorded the minutes.

1. DETERMINATION OF A QUORUM
Chairman Pro Tem Rob Katherman declared that a quorum of Directors was present, which, in addition to himself, included Directors Sergio Calderon, Albert Robles, and John D. S. Allen. President Willard H. Murray, Jr. arrived at 2:52 P.M.

2. PUBLIC COMMENT
Pursuant to Government Code Section 54954.3
None.

Director Katherman requested a subsequent need item for establishment of an ad hoc committee to negotiate a new Memorandum of Understanding with AFSCME Local 1902. Item 1.A. was placed on the agenda.

1.A. SUBSEQUENT NEED ITEM – FORMATION OF AD HOC COMMITTEE
Upon a motion duly made by Director Katherman having stepped out of the Chair, seconded by Director Robles and unanimously approved by roll call vote, with President Murray absent, it was

RESOLVED: That the Board approves the formation of an Ad Hoc AFSCME Negotiation Committee comprised of Directors Katherman and Robles.

3. CLOSED SESSION 2:00-2:30 P.M.
A. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
   Name of Case: Tesoro Refining v. Water Replenishment District,
   LASC Case No. BS134239
B. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code §54956.9
   Name of Case: LAUSD v County of Los Angeles, et al.
   LASC Case No. BS108180
C. Conference with Legal Counsel – Existing Litigation, pursuant to Government Code § 54956.9
Name of Case: *Albert Robles v. Water Replenishment District,*
No Case No.

D. Conference with Legal Counsel – Anticipated Litigation, pursuant to Government Code §54956.9 (b), One Case

E. Conference with real property negotiator pursuant to Govt. Code Section 54956.8:
Agency Negotiator: Assistant General Manager

**OPEN SESSION MEETING 2:00 P.M.**

4. CLOSED SESSION REPORT
The Board reconvened in Open Session at 2:45 P.M. Interim General Counsel H. Francisco Leal stated that for items A, B, D and E status reports were provided by Counsel with no formal action taken by the Board; and item C was not discussed.

5. PLEDGE OF ALLEGIANCE
Central Basin Municipal Water District Director Leticia Vasquez led the Pledge of Allegiance.

6. INVOCATION
Director Sergio Calderon gave the Invocation.

7. PUBLIC COMMENT
Pursuant to Government Code Section 54954.3.
The Board of Directors and General Manager Robb Whitaker presented Chief Hydrogeologist Ted Johnson with a proclamation for achieving 20 years of service with the District on his anniversary date of August 19, 2016.

President Murray arrived and took over the duties of the Chair.
The Board of Directors presented General Manager Robb Whitaker with a proclamation for achieving 25 years of service with the District on his anniversary date of August 19, 2016.
8. ADDITIONAL ITEMS TO THE AGENDA
Director Calderon informed Director Murray of the inclusion of and earlier vote on subsequent need item 1.A. There were no additional items added to the agenda.

9. CONSENT CALENDAR
   A. APPROVAL OF MINUTES OF APRIL 21, 2016
   B. WRD CONFERENCE PARTICIPATION 2016
   C. REVIEW AND APPROVE A LOCAL RESOURCES PROGRAM (LRP) AGREEMENT WITH THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA AND THE CITY OF TORRANCE FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) RECYCLED WATER PROJECT
   D. REVIEW AND APPROVAL OF ESTABLISHING A NON-WASTING ENDOWMENT TO BENEFIT THE BELL’S VIREO ON PERPETUITY AS A CONDITION OF ENVIRONMENTAL CONCURRENCE FROM THE U.S. FISH & WILDLIFE AS A REQUIREMENT TO RECEIVE CLEAN WATER REVOLVING FUND FINANCING FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) RECYCLED WATER PROJECT
   E. MEMORANDUM OF UNDERSTANDING WITH THE CITY OF TORRANCE REGARDING THE GOLDSWORTHY DESALTER EXPANSION PROJECT

     Upon a motion duly made by Director Calderon, seconded by Director Robles, and unanimously approved by roll call vote, it was

     RESOLVED: That the Board approves the Consent Calendar of August 18, 2016 as submitted.


     Upon a motion duly made by Director Robles, seconded by Director Katherman, and unanimously approved by roll call vote, it was

     RESOLVED: That the Board adopt Resolution No. 16-1041 to authorize the General Manager to execute various documents related to the development of the GRIP AWTF.
11. GENERAL MANAGER’S REPORT
Mr. Whitaker referred to his written report.

12. DISTRICT COUNSEL’S REPORT
None.

13. AB 1234 COMPLIANCE REPORTS AND DIRECTORS’ REPORTS
Directors Katherman and Robles stated that they will submit their reports in writing. Director Calderon requested a copy of his last AB1234 report. There were no other reports.

14. WRD BOARD MEETING DATES
   A. September 1, 2016 – 2:00 p.m. – Regular Board of Directors Meeting
   B. September 15, 2016 – 2:00 p.m. – Regular Board of Directors Meeting
   C. October 6, 2016 – 2:00 p.m. – Regular Board of Directors Meeting
   D. October 20, 2016 – 2:00 p.m. – Regular Board of Directors Meeting

15. ADJOURNMENT
There being no further business to come before the Board, a motion was duly made by Director Katherman and seconded by Director Calderon to adjourn at 3:05 p.m. to the next Board of Directors meeting currently scheduled for September 1, 2016 at 2:00 p.m.

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Chair

ATTEST:
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Member

Approved in minutes of:
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MEMORANDUM
ITEM NO. 9.B

DATE: SEPTEMBER 15, 2016
TO: BOARD OF DIRECTORS
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: WRD BUILDING RENOVATION PROJECT – PURCHASE OF FURNITURE SUPPLY AND INSTALLATION SERVICES

SUMMARY
District staff and its architects have completed the design drawings and started the public bid process to select a contractor for the subject office renovation project. One of the major items for the project is the acquisition of additional office furniture, which includes system furniture, freestanding furniture, and other related accessories.

In an effort to reduce the fiscal impact of furniture purchases, the District has been a registered participant of the US Communities’ Government Purchasing Alliance since 2004. Founded by public agencies for public agencies, the US Communities Program is a nonprofit agency that aggregates the purchasing power of more than 90,000 public agencies nationwide by offering Participating Public Agencies the ability to make purchases through existing, competitively solicited contracts between a supplier and a lead public agency. A Master Agreement has been established offering products and services to the participating public agencies at discounts from 40% to 70% off retail list price on well-known suppliers such as Knoll, Herman Miller, Steelcase, and Haworth all with added discounts for large orders.

The proposed purchase is procured pursuant to the US Communities’ Government Purchasing Alliance which explicitly allows participating agencies to enter into piggyback contracts with participating companies to take advantage of negotiated governmental pricing rates.

The proposal by System Source Inc., at a total cost of $85,350 adheres to the negotiated pricing set forth by the US Communities’ Government Purchasing Alliance contract for the furniture and installation services. System Source Inc. is an authorized Government Dealer for the suppliers and has installed system furniture for the District in the past through this purchasing alliance.

FISCAL IMPACT
The fiscal impact for the furniture purchase and installation is $85,350, comprised of approximately $63,100 for hardware and $22,250 for installation and related service support.
CIP COMMITTEE RECOMMENDATION
The Board of Directors authorize the General Manager to execute a professional services agreement with System Source, Inc., subject to District Counsel approval as to form, for furniture and installation services for a total amount of $85,350, plus a 10% contingency allowance of $8,535, for a total not to exceed project budget amount of $93,885.
DATE: SEPTEMBER 15, 2016

TO: BOARD OF DIRECTORS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: AWARD OF CONSTRUCTION CONTRACT FOR RELOCATION OF OBSTRUCTING UTILITIES ENCOUNTERED DURING THE CONSTRUCTION OF THE BRINE DISPOSAL PIPELINE FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP)

SUMMARY
WRD is currently constructing an advanced water treatment facility, referred to as the Groundwater Reliability Improvement Project (GRIP), on a 5.2-acre property located at 4320, 4330, and 4334 San Gabriel River Parkway (site) in the City of Pico Rivera, California. As part of this project, off-site improvements are being constructed, which include a 16-inch diameter pipeline along San Gabriel River Parkway for disposal of brine concentrate that will be generated by the new treatment facility. This 16-inch diameter brine pipeline will connect to an existing Los Angeles County Sanitation District 63-inch diameter sewer pipeline that runs along Beverly Road. Other off-site improvements include street modifications that were requested by the City of Pico Rivera, including a redesign of traffic lanes and signals at the intersection of San Gabriel River Parkway and Beverly Boulevard in the City of Pico Rivera.

In the course of the construction of the brine pipeline several interfering utilities were discovered that were not shown on existing utility maps and were not exposed during potholing for the pipeline alignment. The primary utility, a 12-inch waterline, is owned by the Pico Water District (PWD). WRD staff have conferred with PWD staff and they have agreed to relocate the 12-inch water pipeline as well as the other interfering utilities. It is recommended that this work be performed by the PWD as it will involve temporary interruption of water service to an adjacent local business which is a customer of theirs. PWD is best positioned to coordinate the work that will be required while assuring a minimal interruption of service.

FISCAL IMPACT
The Engineer's Estimate of probable construction cost for relocation of the interfering utilities is approximately $25,500.00. This project is expected to be financed through 2015 bond issuance proceeds.

CIP RECOMMENDATION
The Capital Improvement Projects Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors authorize the General Manager to execute a contract with Pico Water District to perform the subject work.

ATTACHMENTS
MEMORANDUM
ITEM NO. 10

DATE: SEPTEMBER 15, 2016
TO: BOARD OF DIRECTORS
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: AUTHORIZATION TO EXECUTE AMENDMENT NO. 2 TO AGREEMENT WITH GHD FOR PHASE 3: OWNER’S ENGINEER/OWNER’S AGENT (OE/OA) SERVICES FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM’S ADVANCED WATER TREATMENT FACILITY (GRIP AWTF)

SUMMARY

The GRIP AWTF project schedule includes numerous critical path milestones that must be managed and attained to meet the overall CY2018 project completion objective including completion of the selection and execution of an agreement (Contract) with a design-build entity (DBE). The District’s Owner’s Engineer/Owner’s Agent (OE/OA) has completed the Phase 2 work associated with the Groundwater Reliability Improvement Project – Advanced Water Treatment Facility (GRIP AWTF) DBE procurement, design-build entity selection and final design-build agreement negotiation and execution process.

The OE/OA’s work was originally estimated to be spread over a thirty-six-month period commencing with the authorization of the initial Phase 1 contract over twelve months ago with future phases of work to be negotiated and processed as amendments to the base contract through the completion and possibly transitional operations period (first year) of the GRIP AWTF.

Completed OE/OA Phase 1 services includes, but is not limited to:

- Completion of three-part DBE Procurement Process that included preparation, distribution, and review of Request of Expression of Interest, Request for Qualification, and Request for Proposal for selection of a DBE.
- Completion of design-bid-build plans, specifications, and engineer’s estimate documents for the Deconstruction of improvement located at 4320, 4330, and 4334 San Gabriel River Parkway. This task also included procuring the environmental monitoring and reporting support services related to the deconstruction project.
- Completion of design-bid-build plans, specifications, and engineer’s estimate documents for the Off-Site Utilities (Brine Pipeline) Improvement Project.
- Grant/loan writing and related administration work in support of the District’s GRIP AWTF State Revolving Fund (SRF), Metropolitan Water District Local Resource Program (LRP), and River’s and Mountains Conservancy (RMC) funding applications.
In addition, the OE/OA will also continue serving as the design engineer of record and construction services manager for the demolition and brine pipeline improvement projects that will be completed prior to the commencement of GRIP AWTF final design and construction related activities.

Completed OE/OA Phase 2 services includes, but is not limited to:

- Successful negotiation and execution on an agreement (Contract) with the District’s selected GRIP AWTF DBE.
- Continued Programmatic Management and Technical Advisory Services relating to GRIP AWTF.
- GRIP AWTF advanced planning, design progression, entitlement, permitting, Grants administration.
- GRIP AWTF Monitoring Well design, and development.
- GRIP AWTF Storage Well design development.
- GRIP AWTF construction Notice to Proceed preparation & distribution.

**PHASE 3 SCOPE OF WORK**

The OE/OA continues to serve as an extension of District technical staff and has provided professional Programmatic Management and Technical Advisory Services relating to the aforementioned completed Phase 1 and Phase 2 tasks that have resulted in the selection and contracting of a DBE to design and construct (and eventually operate during transitional operations period) the GRIP AWTF.

The role of the OE/OA is now ready to be expanded to provide the Phase 3 GRIP AWTF support services over the next two years that includes, but is not limited to the following tasks:

- Quality Assurance and Quality Control during construction of the GRIP AWTF.
- Completion and approval of Title 22 Engineering Report.
- Continued Programmatic Management and Technical Advisory Services relating to GRIP AWTF.
- Continued GRIP AWTF planning, design progression, entitlement, permitting, and Grants administration.
- GRIP AWTF construction management related services.
- GRIP AWTF startup, commissioning, and testing support services.
- Preparation and filing of GRIP AWTF Notice of Completion.

It is anticipated that the existing core OE/OA programmatic management leadership team will continue working with the District over the remaining duration of the GRIP AWTF project.

**FISCAL IMPACT**

The proposed Phase 3 scope of work fee total is $5,486,000 which is expected to last through the completion of the GRIP AWTF final design, construction, startup, commissioning, testing, and permitting period.
Sufficient funds are included in the District’s Capital Improvement Program (CIP) for the GRIP AWTF project. The remaining project work is being funded by the District’s 2015 Bond, 1-percent State Revolving Fund low interest loan, and Grant(s) proceeds. The fiscal impact for the recommended professional engineering consulting (OE/OA) services contract amendment No. 2 is $5,486,000, plus a 10% contingency allowance of $549,000, for a total project budget amount of $6,035,000.

**CIP COMMITTEE RECOMMENDATION**

The Board of Directors authorize the General Manager to execute Amendment No. 2 to agreement with GHD, subject to District Counsel approval as to form, for Phase 3: Owner’s Engineer/Owner’s Agent (OE/OA) services for the Groundwater Reliability Improvement Program’s Advanced Water Treatment Facility (GRIP AWTF) for a total contract amount of $5,486,000, plus a 10% contingency allowance of $549,000, for a total project budget amount of $6,035,000.

Attachment: Draft Amendment No. 2 to Contract No. 830
AMENDMENT NO. 2 TO CONTRACT NO. 830
AGREEMENT FOR PROFESSIONAL SERVICES
BETWEEN
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
AND
GHD

This Amendment No. 2 to Contract No. 830, is made and entered into this 1st day of September, 2016 (“Effective Date”), by and between the Water Replenishment District of Southern California (hereinafter “District”), and GHD (hereinafter “Consultant”). The District and Consultant are collectively referred to herein as the “Parties”.

I. RECITALS

A. Whereas, on May 26, 2015, Contract No. 830 (hereinafter “Agreement”) was executed between the District and Consultant for the Consultant to provide Phase I of Owner’s Engineer/Owner’s Agent (OE/OA) services for the Groundwater Reliability Improvement Program (“GRIP”) Advanced Water Treatment Facility (“AWTF”) project, including the design for the deconstruction of existing structures on the GRIP AWTF property, development of design criteria to procure the Design Build Entity, and design of the brine disposal pipeline and street improvements; and

B. Whereas, on February 4, 2016, the District and Consultant entered into Amendment No.1 to amend the Consultant’s Scope of Work and Rate Schedule to conduct Phase 2 of OE/OA services for the GRIP AWTF project, including procurement of the Design Build Entity, deconstruction of existing structures on the GRIP AWTF property, construction of the associated brine disposal pipeline and street improvements, and design and installation of the supplemental recharge and groundwater monitoring wells; and

C. Whereas, the District and Consultant desire to enter into this Amendment No. 2 and have agreed to amend the Consultant’s Scope of Work and Rate Schedule to conduct Phase 3 of OE/OA services for the GRIP AWTF project, specifically design and construction of the GRIP AWTF, as set forth below.

II. AMENDMENT

NOW, THEREFORE, in consideration of the mutual covenants, promises and agreements set forth, it is agreed the aforesaid Agreement, a copy of which is attached hereto as Exhibit A, and incorporated herein by reference, shall remain in full force and effect except as otherwise hereinafter provided.
1. **Exhibit B: Scope of Work:** The existing scope of services contained in the Agreement shall be modified to include the additional services described in Exhibit B, attached hereto and incorporated herein by this reference.

2. **Exhibit C: Consultant Rate Schedule:** Consultant’s compensation as established in the Agreement shall be increased by an amount not to exceed five million four hundred eighty six thousand dollars ($5,485,703.60) as provided for in Exhibit C, attached hereto and incorporated herein by this reference.
IN WITNESS WHEREOF, the parties have caused this Amendment No. 2 to be executed as of the Effective Date.

GHD ("CONSULTANT")

__________________________________________
Signature

__________________________________________
Print Name

__________________________________________
Title

WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA

__________________________________________
Signature

Robb Whitaker
Print Name

General Manager
Title

Approved As To Form
LEAL • TREJO APC

Leal • Trejo APC
Attorneys for the Water Replenishment District of Southern California
EXHIBIT A

CONTRACT NO. 830 AND AMENDMENT NO. 1
PROFESSIONAL SERVICES AGREEMENT
GHD

This Professional Services Agreement (the “Agreement”) is made and entered into this 26th day of May, 2015, by and between the Water Replenishment District of Southern California (“District”) and GHD, (“Consultant”) (collectively the “Parties” or individually as “Party”) for the furnishing of certain professional services upon the following terms and conditions.

1. **Scope of Services.** Consultant shall perform the scope of services described in Exhibit A hereto (“Services”). Tasks other than those specifically described in Exhibit A shall not be performed without a prior written amendment to this Agreement.

   1.1 **Standard of Care.** In performing the scope of services under this Agreement, Consultant shall exercise the standard of care and expertise prevailing in California for the performance of such services.

2. **Term.** The term of this Agreement shall commence on May 7, 2015, and shall end on December 31, 2018 (the “Expiration Date”). At least sixty (60) days prior to the Expiration Date, District staff shall evaluate the quality of the Services that have been provided by the Consultant, the cost of such Services relative to the benefits, and the need for any continuation of the services. The results of such evaluation shall be provided to the appropriate District Committee, which committee shall provide a report to the District’s Board of Directors (“Board”). If the Board determines that there is a demonstrated need for the continuation of such Services, the Board may renew the Agreement on terms and conditions that do not provide for a significantly longer term, increased scope of services or increased fee schedule than is provided for in Paragraphs 1 or this Paragraph 2. If the Board desires to modify the Agreement to provide for such a significantly longer term, increased scope of services or increased fee schedule, the District shall comply with the provisions of its then current Administrative Code concerning the solicitation and approval of proposals for professional services.

2.1 **Termination by District**

   2.1.1 **Termination for Convenience.** The District may terminate this Agreement for its convenience at any time upon five (5) days written notice to Consultant. Consultant’s compensation in the event of such a termination shall be exclusively limited to payment for all authorized services performed and for all authorized expenses incurred up to the effective date of such termination. Consultant understands and agrees that it shall not be
entitled to any additional compensation or reimbursement whatsoever in the event of such termination.

2.1.2 **Consultant’s Obligations Upon Termination.** Following any termination of this Agreement by the District or Consultant, the Consultant shall promptly return all District property, and shall likewise provide to District all finished and unfinished data, studies, maps, reports, and other deliverables and work-product prepared by Consultant pursuant to this Agreement.

3. **Consultant’s Compensation.** District will compensate Consultant for services performed and for expenses incurred pursuant to this Agreement as follows:

3.1 **Fee.** Consultant shall be paid in accordance with the Consultant Rate Schedule attached to this Agreement as Exhibit B which may not be changed except with District’s written approval.

3.2 **Reimbursable Expenses.** Consultant shall be reimbursed for the following expenses. Provided, Consultant shall obtain the District’s prior written approval before incurring an expense for which Consultant intends to seek reimbursement in excess of $500.00.

3.2.1 **Transportation, Meals and Lodging.** Consultant shall be reimbursed for transportation, meals and lodging expenses in accordance with the provisions of the District’s Administrative Code applicable to reimbursement of such expenses when incurred by District employees. A copy of said provisions are attached to this Agreement as Exhibit C.

3.2.2 **Miscellaneous Expenses.** Unless otherwise provided at Exhibit B, and subject to the provisions of Paragraph 3.2, the District shall reimburse Consultant for all out of pocket costs charged to Consultant by third parties although such reimbursement shall be at cost without any markup by Consultant.

3.3 **Invoices.** Consultant shall submit monthly invoices to District for services performed and expenses incurred during the preceding month. Consultant’s invoices shall separately identify all personnel for whose services payment is sought, the services performed, and all expenses for which reimbursement is requested. As a condition precedent to payment, District may require Consultant to furnish supporting information and documentation for all charges for which payment is sought. District shall have the right to withhold from payments to Consultant reasonably disputed amounts including, without limitation, amounts for services not performed in accordance with this Agreement and costs, expenses or damages incurred by District as a result of Consultant’s breach of this Agreement or Consultant’s negligence.
4. **Consultant’s Obligation to Provide Notice of Changes.** Consultant shall provide written notice to the District no later than twenty (20) days after the occurrence of any event (including any direction by the District) which Consultant believes requires a change in its compensation or the time for performance of its obligations under this Agreement. Said notice shall describe the event and the basis for any change in compensation or time for performance requested by Consultant. The Parties shall thereafter meet and confer to determine whether such a change is appropriate. However, no such change to this Agreement may be made except by written amendment to this Agreement executed by the Parties. Consultant’s failure to provide the notice required under this Paragraph shall constitute a waiver of its right to seek a change in its compensation or the time for performance of its obligations under this Agreement.

5. **Ownership and Use of Documents.** All proprietary information developed by Consultant in connection with, or resulting from, this Agreement, including but not limited to inventions, discoveries, improvements, copyrights, patents, maps, reports, textual material or software programs, shall be the sole and exclusive property of the District. Consultant agrees that the compensation to be paid pursuant to this Agreement includes adequate and sufficient compensation for any proprietary information developed in connection with or resulting from this Agreement. Consultant further understands and agrees that full disclosure of all proprietary information developed in connection with, or resulting from, this Agreement shall be made to the District, and that Consultant shall do all things necessary and proper to perfect and maintain District’s ownership of such proprietary information. All documents, reports, surveys, renderings, photographs, data and other materials furnished by the District to Consultant shall remain the property of the District. Any use, reuse, modification, and/or alteration by the District of the Consultant’s work for another use or another project without specific written verification or adaptation by the Consultant will be at the risk of the District and without liability or legal exposure of any kind to the Consultant.

6. **Publication of Project Information.** Consultant shall notify and obtain written approval from the District before presenting verbal or written information to outside individuals or entities about the services or project for which Consultant was retained.

7. **Patents and Copyrights.** The Consultant shall assume all costs arising from the use of patented or copyrighted materials, including but not limited to, equipment, devices, processes, and software programs used or incorporated in the work performed under this Agreement. Consultant shall defend, indemnify hold the District, its officers, directors agents, employees, representatives and assigns harmless from any and all claims, demands, suits at law, and actions of every nature for or on account of the use of any patented or copyrighted materials.

8. **Consultant’s Status.** Consultant is an independent contractor and neither Consultant nor any employee of Consultant is or will be treated as an employee of the District under this Agreement. District controls the result to be accomplished under this Agreement, but not the means by which Consultant achieves such results.
8.1 Payments made to Consultant pursuant to this Agreement shall be the sole and complete compensation to which Consultant is entitled. Consultant is solely responsible for any taxes levied by local, state or federal authorities on such sums. Consultant shall defend and indemnify the District for any taxes, fines, penalties and attorneys’ fees assessed or threatened to be assessed against District for failure to properly withhold taxes as a result of any determination that Consultant, or any of Consultant’s employees, is an employee rather than an independent contractor of District.

8.2 District will not make any contribution to any retirement plan or Social Security on behalf of Consultant or any of Consultant’s employees. Consultant shall defend and indemnify the District for any contribution, fines, penalties and attorneys’ fees assessed or threatened to be assessed against District for failure to contribute to any retirement plan or Social Security as a result of any determination that Consultant, or any of Consultant’s employees, is an employee rather than an independent contractor of District.

8.3 District will not make any payments to Consultant, or Consultant’s employees, which rely upon employee status, including, but not limited to, FLSA and other overtime and minimum wage requirements, prevailing wage laws, worker’s compensation benefits, FMLA, CFRA, Paid Leave, and unemployment benefits. Consultant shall defend and indemnify the District for any payment, fines, penalties and attorneys’ fees assessed or threatened to be assessed against District for failure to make any such payment or otherwise provide the benefits of such laws as a result of any determination that Consultant, or any of Consultant’s employees, is an employee rather than an independent contractor of District.

8.4 Consultant shall comply with the Political Reform Act of 1974, as amended including, but not limited to, disclosure of all conflicts of interest and other financial disclosure requirements required thereunder.

9. Instructions to Consultant. In the performance of the services set forth in this Agreement, Consultant shall report to and receive instructions from the following person on behalf of the District: Ken Ortega, Assistant General Manager.

10. Subconsultant Services. Any subconsultants to be used by Consultant in the performance of the scope of services shall be identified in Exhibit A hereto. Consultant shall obtain the District’s prior written approval before retaining a subconsultant to perform any portion of the scope of services of this Agreement. Notwithstanding Consultant’s use of any subconsultants, Consultant shall be responsible to the District for the performance of its subconsultants as it would be if Consultant had performed those services itself. Nothing in this Agreement shall be deemed or construed to create a contractual relationship between the District and any subconsultant employed by Consultant. Consultant shall be solely responsible for payments to any subconsultants.
Consultant shall defend and indemnify the District for any payment, fines or penalties assessed or threatened to be assessed against District as a result of any claim brought by any subconsultant of Consultant for any matter arising from, or related to, the services performed by subconsultant under this Agreement.

11. **Compliance With Laws and Regulations; Licensing.** Consultant shall perform its services under this Agreement in compliance with all applicable provisions of Federal, State and local laws, statutes, codes, rules, regulations, ordinances and professional standards ("Applicable Laws"). By entering into this Agreement, Consultant represents and warrants that it possesses and will keep current all license and registrations required by Applicable Laws to enter into this Agreement and to perform the scope of services hereunder.

12. **Insurance.** Consultant, at its sole cost and expense, shall obtain, keep in force, and maintain the following policies of insurance at all times while this Agreement is in effect, and shall not commence any work under this Agreement until proof of such insurance has been provided to the District. The coverages provided by such insurance shall not be construed as limitations of liability.

   12.1 **Required Policies.**

   12.1.1 **Commercial General Liability Insurance** (contractual, products, and completed operations coverages included) with a combined single limit of no less than $1,000,000 and a general aggregate limit of no less than $1,000,000.

   12.1.2 **Business or Comprehensive Automobile Liability Insurance** for owned, scheduled, non-owned, or hired automobiles, with a combined single limit of no less than $1,000,000 per accident.

   12.1.3 **Professional Liability Insurance** with limits of $1,000,000 per claim and $1,000,000 in the aggregate.

   12.1.4 **Employers’ Liability Insurance** with limits of $1,000,000 per claim and $1,000,000 in the aggregate.

   12.1.5 **Workers’ Compensation Insurance** as required under the Workers’ Compensation Insurance and Safety Act of the State of California.

   12.2 **Required Terms.**

   12.2.1 All polices except workers’ compensation and professional liability, shall name as additional insured the Water Replenishment District of Southern California, its directors, officers, employees, agents and representatives.

   12.2.2 All policies shall be written on an occurrence basis. If a policy may only be obtained on a claims made basis, the policy shall be maintained
continuously for a period of no less than three (3) years after the date of final completion of the scope of services under this Agreement.

12.2.3 Consultant agrees to provide the District thirty (30) days prior written notice of renewal and cancellation of any policy of insurance required hereunder.

12.2.4 All insurance required under this Agreement shall be considered primary to any insurance maintained by the District. All policies except Professional Liability shall include waivers of subrogation in favor of the District and its insurers.

12.2.5 All polices required under this Agreement shall be issued by companies authorized to transact insurance business in the State of California acceptable to the District and having a Best rating of A- or better.

13. Indemnification. Consultant shall indemnify, defend and hold harmless the District and its directors, officers, employees, agents and representatives (collectively “District”), from and against any and all claims, liabilities, costs, damages, suits, proceedings, injuries (including injuries to real and personal property, and injuries to persons, including death) incurred by District (“Losses”), as a result of Consultant’s breach of any provision of this Agreement, Consultant’s failure to comply with applicable laws, Consultant’s negligent acts or omissions, or Consultant’s willful misconduct. However, Consultant’s obligation to defend shall arise regardless of any claim or assertion that the District caused or contributed to the Losses. Nothing in this paragraph shall constitute a waiver or limitation of any legal rights which the District may have including, without limitation, the right to implied indemnity.

14. Arbitration and Attorneys’ Fees. Any dispute arising from or relating to this Agreement shall be submitted to final and binding arbitration before an arbitrator who is a member of the National Academy of Arbitrators. The parties will obtain a list of five names of potential arbitrators from the National Academy of Arbitrators, or the American Arbitration Association, and will take turns striking the names of arbitrators until one arbitrator remains, who shall preside over the arbitration. The arbitrator will have no power to rewrite any of the terms of this Agreement. The parties shall split the cost of the arbitrator’s fee and any court reporter required by the arbitrator or if both parties agree to having the proceedings taken down by a court reporter. The prevailing Party in any action arising from or relating to this Agreement shall be entitled to recover its reasonable attorney’s fees, expert witness fees and arbitration fees and costs in addition to any other relief and recovery ordered by the arbitrator or other tribunal hearing any matter related to this Agreement.

15. Conflict of Interest. No official of the District who is authorized in such capacity and on behalf of the District to negotiate, make, accept or approve, or to take part in negotiating, making, accepting or approving this Agreement, or any contract or subcontract relating to work to be performed pursuant to this Agreement, shall become directly or indirectly
personally interested in this Agreement or in any part thereof. Consultant shall not accept employment or contract during the term of this Agreement with any firm or individual for the provision of services if such employment or contract would conflict directly with the Services provided to the District under this Agreement.

16. **Equal Opportunity.** During the performance of this Agreement, Consultant shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, marital status or national origin.

17. **Successors and Assigns.** This Agreement shall inure to the benefit of, and be binding upon, the District, Consultant, and their respective successors and assigns provided, however, that no assignment of the duties or benefits under this Agreement shall be made without the written consent of the Consultant and the District.

18. **Choice of Law and Venue.** This Agreement shall be governed by and interpreted in accordance with the laws of the State of California. The Parties agree that the exclusive venue for any action or proceeding arising from or relating to this Agreement shall be in the County of Los Angeles, State of California.

19. **Notices.** All notices provided by this agreement shall be in writing and shall be sent by first-class mail and facsimile transmission as follows:

If to the District:

**Water Replenishment District of Southern California**  
4040 Paramount Blvd.  
Lakewood, CA 90712  
Phone: (562) 921-5521  
Fax: (562) 921-6101

If to Consultant:

**Paul Hermann**  
16451 Scientific Way  
Irvine, CA 92618  
Phone: (949) 585-5235  
Fax:

20. **Amendments.** This Agreement may be modified only by a writing signed by the Parties hereto.

21. **Integration; Construction.** This Agreement sets forth the final, complete and exclusive expression of the Parties’ agreement with respect to the subject matter hereof, and
supersedes any and all other agreements, representations, and promises, whether made orally or in writing. The Parties represent and warrant that they are not entering into this Agreement based upon any representation or understanding that is not expressly set forth in this Agreement. This Agreement shall be construed as the product of a joint effort between the Parties and shall not be construed against either Party as its drafter.

22. **Effective Date.** This Agreement is effective as of the date first set forth above.

23. **Authority.** Each person signing this Agreement represents that he or she has the authority to do so on behalf of the Party for whom he or she is signing.

IN WITNESS WHEREOF, the Parties have caused this AGREEMENT to be executed the day and year first above written.

**WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

[Signatures and prints]

**GHD, ("CONTRACTOR")**

[Signatures and prints]

**Approved As To Form**

**LEAL, TREJO APC**

[Signature]

H. Francisco Leal
Attorneys for the Water Replenishment District of Southern California
supersedes any and all other agreements, representations, and promises, whether made orally or in writing. The Parties represent and warrant that they are not entering into this Agreement based upon any representation or understanding that is not expressly set forth in this Agreement. This Agreement shall be construed as the product of a joint effort between the Parties and shall not be construed against either Party as its drafter.

22. **Effective Date.** This Agreement is effective as of the date first set forth above.

23. **Authority.** Each person signing this Agreement represents that he or she has the authority to do so on behalf of the Party for whom he or she is signing.

IN WITNESS WHEREOF, the Parties have caused this AGREEMENT to be executed the day and year first above written.

**WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

[Signature]
Robb Whitaker
*Print Name*
General Manager
*Title*

GHD, ("CONTRACTOR")

[Signature]
Paul Hermann
*Print Name*
PRINCIPAL
*Title*

**Approved As To Form**

LEAL, TREJO APC

[H. Francisco Leal]
Attorneys for the Water Replenishment District of Southern California
EXHIBIT A-2

AMENDMENT NO. 1 TO CONTRACT NO. 830
AMENDMENT NO. 1 TO CONTRACT NO. 830
AGREEMENT FOR PROFESSIONAL SERVICES
BETWEEN
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
AND
GHD

This Amendment No. 1 to Contract No. 830, is made and entered into this 4th day of February, 2016 (“Effective Date”), by and between the Water Replenishment District of Southern California (hereinafter “District”), and GHD, (hereinafter “Consultant”). The District and Consultant are collectively referred to herein as the “Parties”.

I. RECITALS

A. Whereas, on May 26, 2015, Contract No. 830 (hereinafter “Agreement”) was executed between the District and Consultant for the Consultant to serve as the Owner’s Engineer/Owner’s Agent for the design and construction of the Groundwater Reliability Improvement Program (“GRIP”) Advanced Water Treatment Facility (“AWTF”); and

B. Whereas, District and Consultant desire to enter into this Amendment No. 1 and have agreed to amend the Consultant’s Scope of Work and Rate Schedule, as set forth below.

II. AMENDMENT

NOW, THEREFORE, in consideration of the mutual covenants, promises and agreements set forth, it is agreed the Agreement, a copy of which is attached hereto as Exhibit A, and incorporated herein by reference, shall remain in full force and effect except as otherwise hereinafter provided.

1. Exhibit B: Scope of Work: The existing scope of services contained in the Agreement shall be modified to include the additional services described in Exhibit B, attached hereto and incorporated herein by this reference.

2. Exhibit C: Consultant Rate Schedule: Consultant’s compensation as established in the Agreement shall be increased by an amount not to exceed two million one hundred seventy thousand dollars ($2,170,000.00) as provided for in Exhibit C, attached hereto and incorporated herein by this reference.
IN WITNESS WHEREOF, the parties have caused this Amendment No. 1 to be executed as of the Effective Date.

GHD, ("CONSULTANT")

Signature

PAUL HERMANN
Print Name
VICE PRESIDENT
Title

WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA

Signature
Sergio Calderon
Print Name
President, Board of Directors
Title

Signature
Rob Katherman
Print Name
Secretary, Board of Directors
Title

Approved As To Form
LEAL • TREJO APC

Leal • Trejo APC
Attorneys for the Water Replenishment District of Southern California
EXHIBIT B

SCOPE OF WORK
FOR AMENDMENT NO. 2 TO CONTRACT NO. 830
Water Replenishment District

OE/OA Services for the GRIP AWTF

Scope of Work

The GRIP AWTF Owner’s Engineer Scope of work is separated into multiple phases, which align with the required Board Authorizations. Each phase is made up of separate individual tasks. These individual tasks comprise the key work scope activities that are to be completed within the particular phase. The phases for the projects are generally defined as follows:

- Phase 1 – Procurement and Demolition (COMPLETED)
- Phase 2 – DBE Selection, Negotiations and Offsite Improvements (Ongoing)
- Phase 3 – Design and Construction (this current phase)
- Phase 4 – Extended Operations

While Phase 2 works are still being completed with the Offsite Improvements, Phase 3 work has also commenced. Accordingly, the works comprised in this phase is detailed below, noting that the majority of tasks will be undertaken over a period of 24 months.

Phase 3 – Design and Construction (Design Build Contract Period)

Task 6. PROGRAM MANAGEMENT (Design / Construction)

Task 6.1 Project / Program Management

The Owner’s Engineering Team will perform the following project / program management tasks:

- General project / program management
- Management of in-house staff
- Management of in-house budget
- Management of in-house schedule
- Coordination amongst Owner’s Engineer Team and with District, Legal Counsel and Design Build Entity (DBE) on all project related topics
- Attend Board Meetings as necessary
- Preparation of CIP Committee update reports and attendance to CIP Committee meetings
**Task 6.2 Meetings**
The following meeting schedule is envisioned:
- Weekly coordination meetings with Design Build Team
- Weekly update meeting with WRD management
- Weekly technical review meetings
- Project design workshops
- Workshops with concurrent District projects, including the Asset Management / CMMS Master Plan works, SCADA Master Plan works, IT Master Plan works, etc.
- Meetings with Third parties (refer below)
- Site meetings, as necessary
- Others, as necessary

Most meetings include agenda development and the compilation of meeting minutes.

**Task 6.3 Document Control**
The Document Control process includes:
- Management of all project related correspondence
- Working on both the Design Build Team’s document management system and utilizing the Owner’s engineering Team’s Box system for internal correspondence.
- Managing Owner’s engineering Team submittals, deadlines, review comments, follow up requirements, etc.
- Maintain submittal logs
- Maintain issues log
- Support CIP Committee presentation preparation
- Frequent schedule review related to contract compliance

**Task 6.4 Third Party Coordination**
Communication and coordination is required to ensure that all third party participants (active and non-active) remain part of the project and informed of the status of the work in relation to the Design Build Contractor. This is necessary to ensure project schedule compliance. These third parties include:
- City of Pico Rivera
- Department of Drinking Water (DDW)
- Regional Water Quality Control Board (RWQCB)
- Southern California Edison
- Time Warner Cable
- Frontier
- Central Basin Municipal Water District
- Los Angeles County Fire Department
- Others as necessary

**Task 7 Engineering Services**
The Owner’s Engineering Team will conduct design reviews for all necessary disciplines required for the project. They will be reviewed for conformance with the following documents:
1. Design criteria Report
2. Design Build Contract
3. Contract Attachments
4. Proposal Forms

The following technical disciplines are included in this task:

- Process
  - Pre-Treatment
  - Reverse Osmosis
  - UVAOP
  - Chemical Dosing / Management
- Hydraulic
- Mechanical
- Electrical
- Civil
- Architectural
- Instrumentation
- Structural
- Asset Management
- Stormwater
- Geotechnical
- Hydrogeological
  - Well Design
  - Well Construction
  - Groundwater Modelling
- Permitting
- Roadways / Pavements / Traffic
- Durability
  - Concrete
  - Steels / Alloys
  - Corrosion / Cathodic Protection
  - Plastics
- Operations / Commissioning
- Safety / Operations
- SCADA
- HVAC
- Visual / Educational / Visitor Experience
- Landscape Architecture
- Grant Funding
  - Development
  - Administration
  - Management

These reviews are undertaken for all of the following design phases:

- Preliminary Design
- 50% Design
- 90% Design
- Final Design
- Construction / field necessitated design changes
Task 8 Construction Management

Project Management and Coordination
The project management tasks required to organize our construction management team, assign and control work, and report progress to the District in the form of monthly progress reports is outlined here.

Task 8.1—Construction Contract Monthly Progress Report
Prepare Construction Contract Monthly Progress Reports to inform District of the construction progress. The reports shall include, but not limited to:

- Narrative and schedule summary of construction completed to date.
- Potential Issues and required actions.
- Photographs of ongoing work.
- Payment to date for each bid item.
- Status of Requests For Information and submittal log.
- Summary of Contractor's quality control activities.
- Status of Potential Change Order, Directed Change Order, Change Order and budget.
- Potential disputes or claims.
- Public outreach issues.

Task 8.2—Project Management Meetings
Conduct Project Management meetings every month with the District and other team members. The intent of the meetings is to track construction management services, construction contract development, and coordinate with the District.

Task 8.3 Preconstruction Services: Construction Contract Documents Review
Be familiar with the site and the contract documents, including the draft Construction Risk Management Plan prepared by the Design Build Team. Perform an independent constructability review to evaluate claim risks, and identify challenging areas of the work and to identify opportunities for improvements.

At a minimum, consider the following elements as part of the constructability review:

- Construction sequencing, phase transition, and milestones.
- Contractor staging and work areas.
- Long lead time equipment.
- Utility interferences.
- Contractor skills and labor force requirements.
- Transportation and traffic.
- Labor availability, strike issues, project labor agreements, and other labor issues (noting PLA specialist is directly contracted with WRD).
- All required provisions in Project environmental permits.
- Other potential high-risk provisions.

Facilitate the constructability reviews with the team experts, District, and DB Team.
Task 8.4—Communications
Provide effective, efficient, and coordinated communications among all the participants in the Project by funneling all communications through the CM Team at the job site. Participants include, but not limited to, District, and Design Build Team.

Serve as the focal point for coordination between the District, Design Build Team, and other parties, and receive Contractor correspondence and prepare and transmit responses.

Task 8.5—Document Control And Internet-Based Communication System
Maintain complete, current files utilizing Design Build Team’s preferred method on all project-related records including correspondence, construction and public outreach photographs, job files, submittals, shop drawings, requests for information, contract document clarification, potential change order documentation, directed change order documentation, change order documentation, claims, nonconformance reports, stop-work notices, daily inspection diaries, weekly inspection summary report, field memos, claims management files, warranty/guarantee files, as-built drawings and specs, shop drawings, training plan, qualification records, material test reports, project payment estimates and records, certified payrolls, manpower utilization reports, insurance, bonds, status reports, and meeting minutes.

Task 8.6—Contract Compliance Verification
Verify Contractor obtained permits, licenses, insurance, bonds, warranties, and guarantees in accordance with the contract requirements.

Monitor and verify that all documentation required from Contractor is received in a timely manner and that contract files are complete.

Review and check-off contract provisions and requirements.

Task 8.7—Progress and Coordination Meetings
Organize and conduct regular weekly Progress Meetings with Contractor, District and other participants as necessary to discuss construction progress and planned work, submittals, RFIs, potential change orders.

Organize and conduct all periodic and special meetings to resolve issues with Contractor, utilities, regulators and local agencies having jurisdiction (e.g. City of Pico Rivera, L.A. County Sanitation Districts

Identify construction, safety, compliance, schedule and/or cost, coordination and potential dispute issues and assign responsibility for resolution.

Prepare agendas, and produce meeting minutes with a summary of meeting discussion, action items and decision logs.

Task 8.8—Schedule Monitoring
Review construction baseline schedule and monthly updates for conformance with contract requirements with regards to activity sequencing, logic, milestones, constraints, etc.

Review monthly construction schedule updates and evaluate progress and associated effect on project cost.

Monitor and verify actual start and finish dates.
Verify individual activity duration and sequencing through comparisons with daily inspector’s reports.

Identify critical and sub-critical activities, including delivery of third party’s material and equipment, and review Contractor’s plan to avoid or mitigate delays to these activities.

Review activities that interface or tie-in within the same construction contract, or with other construction contracts or District activities to ensure adequate preparation for the coordination of these interfaces or tie-ins.

Anticipate and respond effectively to delays.

**Task 8.9 Change Management (Contract Document Clarification, Potential Change Orders, Directed Change Orders, and Change Orders)**

Develop a Change Management Process to manage and control changes to the construction contract, including claims.

Manage timely processing of construction documents in accordance with the construction contract documents.

Work with Contractor to mitigate field conditions that could result in added work or contract delays.

Institute a screening process for change requests initiated by District or DB Team.

Initiate appropriate negotiation, approval, payment, and documentation of changes.

Administer the changes as follows:

- Review document clarifications (including the technical input, and provide comments related to conformance of the clarifications with the original design concept, the drawings, and the specifications.
- Evaluate the contractual basis of the clarifications, and determine, in consultation with District, if a clarification is a potential change order work.
- Potential Change Orders (PCO’s) as appropriate.
- If PCO’s are issued, request DB Team to prepare a proposal to perform the PCO work.
- Prepare and reconcile with independent cost estimate and schedule analysis for PCO work.
- Contrast Contractor’s proposal with the reconciled independent cost estimate and schedule analysis.
- Negotiate with Contractor the cost and any time extensions associated with the PCO work.
- Prepare a change order package for approval and execution by District and Contractor documenting the reason for the change order, the contractual basis meriting the change order, and the agreed cost and time modifications.
- Issue Directed Change Order to Contractor for the purpose of unilaterally modifying the construction contract if a) Contractor fails to submit a proposal for PCO work within the time specified or b) when District and Contractor cannot agree on the terms and conditions of PCO work.
- Negotiate with Contractor mutually acceptable terms and conditions of a Change Order to replace a Directed Change Order, if deemed appropriate by District.

**Task 8.10 Contractor Invoices and Payment Recommendations**

Review the Contractor’s initial cost breakdown (Schedule of Values) for reasonableness and ease of monitoring.
Provide an independent assessment of progress, quantities of materials placed and equipment delivered and installed based upon acceptability of work.

Review applications for payment with Contractor for compliance with contract requirements and verify that payment requested comprises payment due based on work completed as related to the schedule of values, and materials and equipment furnished but not incorporated into the Work.

Prepare payment recommendations, and submit Contractor's invoices with payment recommendations to the District.

Provide contract compliance support, which includes checking certified payrolls, monitoring Contractor's certificates of insurance.

Prepare monthly progress payment using District standard form. The payment application review period will comply with review period requirements established in the Construction Contract.

Prepare monthly cost reports showing total-to-date payments for each item on the schedule of values, change orders, etc., and effect on the project budget.

**Task 8.11 Quality Assurance (QA Program)**

Develop, coordinate, manage, and implement a QA Program that includes policies and specific inspection procedures to ensure construction is performed according the construction contract drawings and specifications and is in compliance with applicable codes, standards, and regulations.

Establish the Field Quality Assurance Program, including development of a Field Quality Assurance Manual (FQAM), to provide procedures and guidelines to enforce Contractor's QC activities, and to ensure construction is performed according the construction contract drawings and specifications and is in compliance with applicable codes, standards, and regulations.

Provide as part of the Field Quality Assurance Program the procedures and guidelines for, but not be limited to, the following activities:

- Review and approval of Contractor's QC Plan
- Field design change control
- Monitoring of special processes
- Material control
- Inspection and test control
- Verification and calibration of measuring and test equipment
- Quality assurance records
- Control of deficiencies
- Control of nonconformance
- Intermediate and final surveys

Establish the Field Quality Control Program, including development of a Field Quality Control Manual, to describe the methods for conducting and verifying the construction is performed according the construction contract drawings and specifications and is in compliance with applicable codes, standards, and regulations.

Provide as part of the Field Quality Control Program the methods for inspection and verification for, but not be limited to, the following activities:
• Inspection of civil work, including excavation and backfill, pile driving, concrete construction, paving
• Inspection of structural work
• Mechanical equipment inspection
• Plumbing, HVAC and Fire Protection inspections
• Electrical inspection and testing
• Field welding and inspection
• Hydrostatic and pneumatic testing
• Instrumentation and control inspection and testing

Coordinate QA / verification testing by specialty firms or sub-consultants provided by the Design Build Team.

**Task 8.12 Submittal Process**
Receive, log and distribute for review, and monitor the submittals to achieve timely return to Contractor.

Prepare the submittal tracking log.

Maintain a computerized submittal base showing submittal number, description, date received, dates forwarded to and returned from District, date returned to Contractor, and approval status.

Develop a tracking procedure to enable follow-up on the status of materials and equipment through the entire duration of the project.

Develop lists and monitor status of manufacturer’s certificates, services, spare parts and manuals.

Receive, log and file manufacturer’s certificates.

Receive, log, and turn over spare parts to District.

Receive, log and distribute manufacturer’s O & M manuals for review and acceptance.

**Task 8.13—Request for Information (RFI) Process**
Receive, log and distribute for review, and monitor the RFIs to achieve timely return to Contractor.

Prepare the RFI tracking log in accordance with District standards.

Develop and maintain a computerized RFI database showing RFI number, general description, date received, responsible party or parties, dates forwarded to and returned from party or parties, date returned to Contractor, and disposition status.

In the case an RFI requests for change, or a response to an RFI results in change, provide input based on the contractual merit of the request or response.

Monitor status of responses for compliance with agreed or contract specified turn-around times.

**Task 8.14 Record Documents**
Maintain a record set of plans and specifications with any changes as a result of RFI’s, Potential Change Orders, Directed Change Orders, Change Orders, or field memo.

Verify monthly the accuracy and completeness of the Contractor’s records against the control set of plans and specifications.
Task 8.15 Inspections
Provide sufficient qualified, experienced inspection staff to monitor all major work activities associated with work performed on all shifts and days worked by Contractor.

Inspect materials, equipment, construction procedures, work in progress, and completed work for compliance with contract requirements.

Monitor Contractor’s look-ahead schedule and confer with Contractor to ensure that qualified personnel including specialty inspectors are scheduled on an as-needed basis to inspect and monitor quality control for all major work activities.

Inspect completed work for contract compliance and generate appropriate punch lists.

Prepare Daily Inspection Reports detailing weather conditions, status of work, and the location and type of work performed by Contractor.

For each work activity, document the number and classification of craft labor, supervision, equipment (including idle equipment), and materials used.

Note material and equipment deliveries or off-hauls, any non-adherence to safety procedures along with corrective action taken, delays—including cause of delay, equipment breakdowns or other field problems, visitors, and other pertinent observations. Augment reports with sketches and digital photographs.

Maintain a chronological photographic record of construction.

Perform monthly checks of line and grade for structures to verify in-progress and as-built coordinates.

Verify baseline survey points prior to and after construction.

Verify progress of work for payment purposes and ensure that Contractor’s progress payment request reflects the submitted schedule of values and the work actually performed.

Develop and implement a written communication system and database notifying Contractor of all nonconforming work and safety violations.

Task 8.16 Special and Specialty Inspections
Monitor special inspections provided by the Design Build Team.

Design Builder to provide, as minimum, special inspections for the following work.
- Structural steel inspections and verification, including special provisions for seismic resistance.
- Concrete inspections and verification, including special provisions for seismic resistance.
- Inspection for wind resistance.
- Foundation soil inspections and verification.
- Inspections and verification for seismic resistance for other building systems, including designated seismic systems, mechanical and electrical components, storage racks and access floors, and architectural components.

Design Build Team to provide speciality inspections for the following work disciplines: architectural, structural, mechanical, plumbing, HVAC, Fire Protection, electrical, and process and instrumentation as required.
Task 8.17 Safety Management
Review, monitor and adhere to Contractor’s safety program and work activities for compliance with contract specifications and safety regulations such as Cal/OSHA.

Implement safety oversight activities.

Ensure that all field employees are trained in accordance with the applicable Cal/OSHA regulations.

Maintain records of training on file.

At all times comply with all safety rules and regulations put in place by the District and any local, state or federal agency.

Task 8.18 Neighborhood Communications
Assist the District’s neighborhood liaison with neighborhood communications.

Assist the District’s neighborhood liaison with maintaining positive relationships with the neighborhoods surrounding the jobsite and effectively communicate to the neighborhoods issues related to the impacts of construction.

Assign a contact person to assist the District’s neighborhood liaison in providing information for public interface to quickly address any complaints and answer any questions that may arise.

Provide construction status, schedule updates and relevant technical information as required by the District’s neighborhood liaison.

Monitor sensitive neighborhood issues, including but not limited to, noise, dust, vibration, Contractor’s working hours, truck traffic, contractor deliveries, and off haul of debris.

Task 8.19 Claims and Disputes Management
Implement a claims and disputes management plan to include notification, compile supporting documentation and records, and claims analysis.

Apply our management skills to avoid or minimize claims during construction by maintaining positive working relationship with the Contractor.

Identify and resolve claims for additional compensation early and equitably.

Apply procedures for enabling work to proceed in the event differences arise over the responsibility for, or cost of, added work.

Document events and activities accurately to provide a reliable basis for investigation at a later date.

Analyze claims for additional compensation submitted by Contractor and prepare responses.

Perform claims administration, including coordination and monitoring, perform claims resolution negotiations, log and track claims status, and inform the District on the status of claims or potential claims.

Keep District informed of potential changes. All changes affecting project design, quality, schedule, or costs are to be approved by the District.
Task 8.20 Acceptance and Contract Close-Out
Manage punch list process and coordinate the efforts of District, permit authorities to develop a list of deficiencies (punch list).

Coordinate with Contractor and other parties to correct the deficiencies.

Conduct an inspection of the entire jobsite and review all documents to determine if all construction efforts are in compliance.

Verify closure/completeness/delivery of all RFIs, submittals, O&M documents, spare parts, training and testing activities, record documents, construction photographs, warranties, guarantees, maintenance bonds, and non-conformance reports.

Provide District with complete documentation required for final acceptance and closeout of the construction contract.

Coordinate warranty services with Contractor and the District through final completion and acceptance of the project.
EXHIBIT C

CONSULTANT RATE SCHEDULE
FOR AMENDMENT NO. 2 TO CONTRACT NO. 830
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5% sub mark up $ 202,191.60

TOTAL $ 5,485,703.60

$ 5,282,512.00
DATE: SEPTEMBER 15, 2016
TO: BOARD OF DIRECTORS
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: ADOPTION OF GROUNDWATER BASIN MASTER PLAN AND CERTIFICATION OF PROGRAMMATIC ENVIRONMENTAL IMPACT REPORT (PEIR)

SUMMARY
The District and its consultants, CH2MHILL and Environmental Science Associates (ESA), are currently in the process of finalizing the Groundwater Basins Master Plan (Plan) and its associated programmatic environmental impact report (PEIR).

This Plan and PEIR, developed with input from groundwater basins stakeholders, will serve as a basis for future discussions with stakeholders to increase the local sustainability of the Central and West Coast basins.

Staff will provide the Technical Advisory Committee with an overview of the Plan, comments received on the PEIR and next steps.

FISCAL IMPACT
None.

CIP RECOMMENDATION
The Board of Directors adopt the Groundwater Basins Master Plan and the associated Programmatic Environmental Impact Report (PEIR).
MEMORANDUM

ITEM NO. 12

DATE: SEPTEMBER 15, 2016

TO: BOARD OF DIRECTORS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: ADOPTION OF UPDATED FIVE YEAR CAPITAL IMPROVEMENT PROGRAM (CIP) FOR FISCAL YEARS 2016-17 THROUGH 2020-21

SUMMARY

As part of the annual budget process, staff is updating WRD’s Five-Year Capital Improvement Program (CIP). The CIP is a short-range plan, which identifies capital projects and equipment purchases, provides a planning schedule and identifies options for financing the plan. Essentially, the plan provides a link between proposed capital improvement projects, master plans, strategic plans, and WRD’s annual budget.

The CIP is also an effective tool to integrate capital improvements in ways that ensure that planning and execution for capital improvements is tied to realistic, predictable sources of income in order to finance the improvements, and define desired improvements and anticipated construction schedules so that there is adequate time for planning, design and committee/Board review prior to the desired construction schedule. The updated Five-Year CIP also includes continuing working on projects from prior years that have not been finalized. Staff will provide a verbal report/update on the Updated Five-Year CIP Plan process.

FISCAL IMPACT

None.

TECHNICAL ADVISORY COMMITTEE RECOMMENDATION

The Board of Directors adopt the updated Five-Year Capital Improvement Program for Fiscal Years 2016-17 through Fiscal Years 2020-21 as submitted and authorize staff to file a Notice of Exemption from CEQA.

Attachments:

- Five-Year CIP Draft Document
- Notice of Exemption
Updated Five Year Capital Improvement Program
Fiscal Years 2016/17 – 2020/21

Approved by WRD Board of Directors
September 2016
Water Replenishment District of Southern California

UPDATED FIVE-YEAR CAPITAL IMPROVEMENT PROGRAM, 2016
Approved by Board of Directors on September 1, 2016

WRD BOARD OF DIRECTORS

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<tr>
<td>Willard H. Murray, Jr</td>
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General Manager
Robb Whitaker
Assistant General Manager / Chief Engineer
Ken Ortega
MEMORANDUM

DATE: September 1, 2016

TO: INTERESTED STAKEHOLDERS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: UPDATED CAPITAL IMPROVEMENT PROGRAM 2016/17 THROUGH 2020/21

The Water Replenishment District of Southern California (WRD) is pleased to submit a copy of the proposed Updated Five-Year Capital Improvement Program (CIP) 2016/17 through 2020/21. As part of the annual budget process, staff reviewed and updated WRD’s CIP. The Updated CIP is a short-range plan, which summarizes capital projects and equipment purchases and provides a planning schedule. Essentially, the plan provides a link between proposed capital improvement projects, master plans, strategic plans, and WRD’s annual budget. The Updated CIP reflects WRD’s dedication to continued fiscal responsibility, stakeholder sensitivity and organizational efficiency.

A CIP provides many benefits including:

- A systematic evaluation of all potential projects
- Identify the most economical means of financing capital improvements
- A communication tool for public relations and stakeholder

The CIP is also an effective tool to ensure planning and implementation of capital improvements are tied to realistic, predictable sources of income. Furthermore, the CIP is used to define desired projects and follow an adequate timeline for the review of preliminary planning and design by the WRD Board of Directors prior to establishing a construction schedule. The Updated Five-Year CIP also includes projects from prior years that are ongoing.

This update to WRD’s previous five-year plan provides information to the public regarding the upcoming capital priorities and allows for multi-year financial planning to support these priorities. This Updated Five-Year CIP follows the recent adoption of the FY 2016/17 Operating Budget. The District’s capital improvements focus on completing projects identified under the Water Independence Now (WIN) initiative, such as the Groundwater Reliability Improvement Project (GRIP) and water infrastructure management projects, such as the Asset Management Program.

Our needs for future five-year capital funding will peak over the next capital improvement planning horizon as WRD’s Groundwater Reliability Improvement Program (GRIP) related projects transition from advanced
planning and design phase into construction and operations. The CIP includes a total of $214 million in capital improvement projects. In addition, the CIP reflects grant funding in excess of $37 million, respectively, and an $80 million one-percent loan from the Clean Water State Revolving Fund (CWSRF) Water Recycling Program for the construction of the GRIP Advanced Water Treatment Facility (AWTF).

For ease of use and review, the CIP is organized into seven general project categories, including:

- WIN: Groundwater Reliability Improvement Program (GRIP)
- Brackish Water Reclamation Projects
- Stormwater Conservation & Groundwater Storage Projects
- Groundwater Management Projects
- Safe Drinking Water Program
- Water Infrastructure Management Projects
- Facilities Management, Maintenance, and Repair

The “Facilities Management, Maintenance, and Repair” category was added this year to describe various capital improvements that the District Headquarters Office needs and depict the new Field Operations and Storage Annex Facility Project. In addition, there are six new projects under the Stormwater Conservation & Groundwater Storage Projects category, including:

- Dominguez Gap Seawater Intrusion Barrier-Second Connection
- Groundwater Basin Optimization Pipeline: Phase 1
- Perchlorate Remediation: Phase 1
- West Coast Basin Brackish Water Reclamation: Phase 1
- Montebello Forebay Injection Wells: Phase 1
- West Coast Basin Inland Injection Well System: Phase 1

Furthermore, the Safe Drinking Water Program category presents three wellhead treatment system projects for FY 16-17, including Lynwood, Huntington Park, and CA American Water Arlington Well.

The draft Updated CIP (working document) was presented and reviewed at the Technical Advisory Committee (TAC) on Wednesday, August, 17, 2016. Following a detailed review and discussion of the Updated CIP, the TAC made the following recommendation:

*Adopt the Updated Five-Year Capital Improvement Program for Fiscal Years 2016-17 through Fiscal Years 2020-2021 as submitted and authorize staff to file a Notice of Exemption from CEQA.*

The Updated CIP was introduced to the Capital Improvement Projects Committee on August 25, 2016 and subsequently to the Board of Directors on September 1, 2016 for review, approval and formal adoption.
ABOUT WRD

The Water Replenishment District of Southern California (WRD) was established by a vote of the people in 1959 pursuant to the Water Replenishment District Act of 1955 to counteract the effects of over-pumping in the Central and West Coast Groundwater Basins (collectively, the “Basins”). Prior to the formation of WRD, over-pumping caused wells to go dry and seawater to intrude into potable water aquifers. The WRD is responsible for protecting the Basins, which are two of the most utilized urban groundwater basins in the nation, and serve as the groundwater manager in accordance with the adjudications of the Basins. The WRD protects and manages the Basins through groundwater replenishment, sea water intrusion deterrence, and the removal of contaminants from the groundwater. Since its inception, WRD has worked to seek new water resources for groundwater replenishment, manage existing water resources, develop regional infrastructure to improve groundwater management and promote conservation.

The WRD continues to respond to the ongoing drought through the implementation of its Water Independence Now (WIN) Program to completely eliminate the demand for imported water to replenish the Basins. The WIN program is a series of capital improvement projects that will fully utilize stormwater and recycled water sources to replenish the groundwater, resulting in a locally sustainable groundwater supply for WRD’s stakeholders.
OVERVIEW

The Updated Capital Improvement Program (CIP) plan serves as a comprehensive planning document which identifies capital project expenditures in conjunction with anticipated revenue sources, such as grant funding. The Updated CIP is a working document and should be reviewed and updated annually to reflect stakeholder needs, priorities and funding opportunities.

For ease of use, the CIP is organized into seven (7) general project categories. The project categories are as follows:

- WIN: Groundwater Reliability Improvement Program (GRIP)
- Brackish Water Reclamation Projects
- Stormwater Conservation & Groundwater Storage Projects
- Groundwater Management Projects
- Safe Drinking Water Projects
- Water Infrastructure Management Projects
- Facilities Management, Maintenance, and Repair

Each proposed capital improvement project was assigned to a specific category. The capital improvement program projects are shown in Table 1, by category. In addition, each project is exclusively summarized in a dedicated worksheet within the CIP. The project worksheets include a project description, operating impacts discussion, prior year project highlights, projected five-year capital improvement project cost information (separated by project phase), and estimated project schedule.

For the purpose of financial and budget planning, the CIP does not account for operation, maintenance, or capital outlay items, such as computer software, office furniture, etc.). The CIP accounts for all capital projects that generally meet one or more of the following criteria:

- Typically non-recurring, one-time expenditures
- Expenditures spanning over two fiscal years or longer
- Total project cost exceeding $20,000
CAPITAL IMPROVEMENT PROGRAM

BUDGET OVERVIEW
Capital Improvement Program Budget Overview

The Updated CIP budget includes a total of $214 million in capital improvement projects. The CIP reflects more than $37 million in grant funding. In addition, funding sources include an $80 million State Water Resources Loan for GRIP, $26.3 million from the 2011 Bonds and $69.5 million from the 2015 bonds. The overall budget reflects a $1 million future funding need. This is summarized below:

Table 1

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<thead>
<tr>
<th>TOTAL CIP BUDGET</th>
<th>Prior Year Expenditures</th>
<th>FY16-17 Projected Budget</th>
<th>FY 17-18 Projected Budget</th>
<th>FY 18-19 Projected Budget</th>
<th>FY 19-20 Projected Budget</th>
<th>FY 20-21 Projected Budget</th>
<th>Total CIP Budget</th>
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<th>2011 Bonds</th>
<th>2015 Bonds</th>
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### Water Infrastructure Management Projects:

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### Facilities Management, Maintenance, and Repair:

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CAPITAL IMPROVEMENT PROGRAM ACCOMPLISHMENTS

✓ **Groundwater Reliability Improvement Program (GRIP) Advanced Water Treatment Facility (AWTF) Environmental Impact Report (EIR) Certified**

The Final EIR for the GRIP AWTF was certified on June 18, 2015 by the WRD Board of Directors. The GRIP AWTF will allow WRD to offset 21,000 acre-feet per year (AFY) of imported water with a combination of tertiary-treated (11,000 AFY) and advanced-treated recycled water (10,000 AFY). Specifically, the GRIP AWTF will further purify tertiary-treated water produced by the San Jose Creek Water Reclamation Plant (SJCWRP), which is owned and operated by the Sanitation Districts of Los Angeles County. The tertiary-treated water will be conveyed to the proposed AWTF via an existing outfall pipeline that runs along the San Gabriel River. Subsequently, effluent from the proposed AWTF would be conveyed via the same existing outfall pipeline to the existing Montebello Forebay Spreading Grounds for groundwater recharge in the Central Basin.

✓ **Recycled Water Turnout Structures**

The Recycled Water Turnout Structures is an element of the Groundwater Reliability Improvement Program (GRIP), which will offset the current use of 21,000 AFY of imported water by providing a sustainable and reliable source of recycled water for groundwater basin replenishment in the Montebello Forebay Spreading Grounds. This project includes the construction of two reinforced concrete turnout structures on the existing recycled water pipeline that extends from the San Jose Creek Water Reclamation Plant (SJCWRP) to the Montebello Forebay Spreading Grounds. Specifically, these turnout structures will allow the delivery of 11,000 AFY of recycled water, which is an important component of GRIP. This project received $4.8 million from the Department of Water Resources of the State of California Proposition 84 Integrated Regional Water Management (IRWM) 2014 Drought Grant; hence, 75% of all project costs were paid for by the grant proceeds.

✓ **Groundwater Basins Master Plan (GBMP) Program Environmental Impact Report (PEIR) Certified**

The PEIR was certified by the WRD Board of Directors in September 2016. The PEIR describes the potential direct, indirect and cumulative environmental impacts of the Draft GBMP. The WRD in coordination with other basin stakeholders, developed the Draft GBMP to provide a single reference document for the Basins. This Draft GBMP establishes a framework to enhance groundwater replenishment in the West Coast and Central Basins, increase the reliability of groundwater supplies, improve and protect groundwater quality and accommodate growing potable water demands.

✓ **Asset Management Master Plan (MP) Report on Gap Analysis Assessment**

The WRD completed an Asset Management MP in October 2015, which is based on a Gap Analysis Assessment. Asset Management is a set of integrated processes that support the management of an organization’s assets, both physical and non-physical, and moreover, it helps minimize the lifecycle costs of owning, operating, and maintaining assets, while delivering an established level of service. The WRD has invested more than $127 million in capital improvement projects. This investment will grow with the nearly $80 million in added capital infrastructure once the GRIP AWTF is completed. The AM identifies vital capital initiatives to WRD’s long-term asset management, such as the Centralized Information System, the Supervisory Control and Data Acquisition (SCADA) system, and a Computerized Maintenance Management System (CMMS), which is critical to effective planning, service delivery, performance monitoring and decision making with respect to assets.
CAPITAL IMPROVEMENT PROGRAM LOCATION MAP
WATER INDEPENDENCE NOW

PROJECTS AND PROGRAMS

WIN
WATER INDEPENDENCE NOW

WRD
GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP)

PROJECT DESCRIPTION
The Groundwater Reliability Improvement Project (GRIP) will offset the current use of imported water by providing up to 21,000 acre-feet per year (AFY) with the construction of an advanced water treatment facility (AWTF), supplemental recharge wells, a brine line, and recently completed Recycled Water Turnout Structures. Approximately 11,000 AFY of additional tertiary treated recycled water will be purchased from the Los Angeles County Sanitation Districts (LACSD) and 10,000 AFY of advanced treated water will be generated at the proposed AWTF. The tertiary treated recycled water would be conveyed in the existing outfall pipeline to the Montebello Forebay Spreading Grounds (MFSG). Below is a description of the various GRIP components:

Advanced Water Treatment Facility (AWTF)
The District will construct the proposed AWTF for advanced treatment of 10,000 AFY of tertiary treated water from the LACSD. A new influent diversion structure will be constructed to transfer tertiary treated recycled water from the existing outfall pipeline into the proposed AWTF for further treatment. An effluent diversion structure will be constructed to transfer advanced treated water back to the existing outfall pipeline to allow blending of advanced treated water with the tertiary treated recycled water prior to spreading at the Montebello Forebay Spreading Grounds.

Supplemental Recharge Wells
Three supplemental recharge wells and three monitoring wells will be constructed at and near the AWTF site. The supplemental recharge wells will be operated to recharge and store up to 4.5 million gallons per day (mgd) of full advanced treated recycled water in the underlying aquifers for replenishment. Under normal operating conditions for the GRIP AWTF, the recycled water from the AWTF will be discharged to the existing MFSG for infiltration into the groundwater basin. However, when the spreading basins are unavailable, the recycled water will be directed to the three supplemental recharge wells. The supplemental recharge wells will allow the AWTF to operate at a constant minimum rate by providing alternate means to recharge the produced recycled water.

Brine Line
As part of the GRIP AWTF project, off-site improvements are required, including the construction of a 16-inch diameter pipeline for disposal of brine concentrate that will be generated by the new treatment facility. This 16-inch diameter brine pipeline will connect to an existing LACSD 63-inch diameter sewer pipeline that runs in proximity to the GRIP AWTF site. Other necessary off-site improvements include street modifications that were requested by the City of Pico Rivera, including a redesign of traffic lanes and signals at the intersection of San Gabriel River Parkway and Beverly Boulevard in the City of Pico Rivera.

Recycled Water Turnout Structures (Turnouts)
This component of GRIP included the construction of two reinforced concrete turnout structures on the existing recycled water pipeline that extends from the San Jose Creek Water Reclamation Plant (SJWRP) to the Montebello Forebay Spreading Grounds. Specifically, these Turnouts will allow the delivery of 11,000 AFY of recycled water. The construction of the Turnouts were completed in June 2016.

FUNDING
In addition to Tax-Exempt Revenue Bond proceeds, the District has submitted and continues processing its final funding agreement in accordance with the Water Recycling Funding Program funded by Proposition 1 and the State Revolving Fund for $95 million, which includes an $80 million one-percent 30 year loan and $15 million in grand funding. In addition, the District submitted an application for the Rivers and Mountains Conservancy Proposition 1 Grant Program.

OPERATING IMPACTS
There are no operating impacts at this time. Operation of the proposed AWTF is expected to commence in late 2018.
PRIOR YEAR HIGHLIGHTS
The District Board certified the Final Environmental Impact Report for the GRIP AWTF in June 2015. Also, the District hosted a community charrette to ensure the communities participation in the development of the GRIP AWTF design. The District unveiled the final design in November 2015. In addition, the District Board selected JF Shea and TetraTech as the Design-Build Entity for the construction of the GRIP AWTF in April 2016 and completed its contract negotiations and finalized its final design-build agreement in June 2016. A Notice to Proceed was processed in July 2016, and the GRIP AWTF is scheduled to be completed and fully operational in 2018. As mentioned previously, the construction of the Turnouts is completed.

PROJECTED 5- YEAR CIP

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<th>Project Budget</th>
<th>Prior Year Expenditures</th>
<th>FY 16-17 Projected Budget</th>
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**Project Schedule**

Planning

Design

Construction

Post Construction
GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP)
ADVANCED WATER TREATEMENT FACILITY (AWTF) EXPANSION

PROJECT DESCRIPTION
The proposed advanced water treatment facility (AWTF) is in its initial stages of development. Planning for an expansion will commence until the completion of the proposed AWTF.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2019-2020 and 2020-2021 is $1 million for planning.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
The District is in the process of initiating the development of the AWTF.

PROJECTED 5-YEAR CIP

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Project Schedule

Planning

Design

Construction

Post Construction
LEO J. VANDER LANS FACILITY PROJECTS

PROJECT DESCRIPTION
Hydraulic Analysis & Operational Efficiencies Study
The project involves conducting a hydraulic analysis and operational efficiencies study in regards to the Vander Lans Facility (LVL) followed by implementation of the study’s recommendations. The goals of this study are to (1) increase the recycled water injection flowrates to close to 100 percent while allowing a small portion of imported water to flow in order to avoid MWD’s low-flow penalties; and (2) optimize operational and flow equalization strategies to allow consistent and stable 24/7 operations with minimum shutdowns.

MWD Bypass Flow-Meter Assembly Improvements Project
The District’s goal is to improve the operational flexibility of its barrier injection water supply system to enable recycled water flow to approach 100 percent, while still allowing capability for a small percentage of Metropolitan Water District (MWD) water into the system and also while avoiding low flow penalties incurred from MWD. The purpose of this project is to evaluate strategies that can be implemented to increase blending ratios and avoid the low flow penalty charge from MWD. There are three alternatives that have been identified as potential strategies, including 1) virtual meeting- mass balance calculation; 2) replacement of 24-inch by 22-inch Venturi meter with a smaller magnetic meter and 3) installation of low flow meter bypass around the existing 24-inch by 22-inch Venturi meter.

Flow Equalization Improvements Project
This project will evaluate the additions of possible future flow equalization tanks, both upstream of LVL on the supply side and downstream of LVL on the barrier discharge end. The upstream equalization tanks would maintain source water supply to keep LVL running when the source water flow drops. The downstream equalization tanks would maintain recycled water supply to the Barrier while LVL is shutdown within a certain period.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 is $535,000. The funding for future construction will be updated for the next fiscal year.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
This study has not commenced; hence, there are no highlights at this time. However, District has selected RMC to conduct the study, expected to start in June 2016 and be completed by January 2017.

PROJECTED 5-YEAR CIP
## Hydraulic Analysis & Operational Efficiencies Study

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### Project Schedule

- **Planning**
- **Study**
- **Construction**
- **Post Construction**

## MWD Bypass Flow-Meter Assembly Improvement Project

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### Project Schedule

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- **Design**
- **Construction**
- **Post Construction**
Flow Equalization Improvements Project

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**Project Schedule**

- Planning
- Design
- Construction
- Post Construction
BRACKISH WATER RECLAMATION PROJECTS
GOLDSWORTHY DESALTER EXPANSION

PROJECT DESCRIPTION
This project will expand the capacity of the existing desalting facility located in the City of Torrance and construct two new groundwater wells to extract water from a saline plume in the West Coast Basin. Once completed, the project will provide approximately 2,400 AFY of additional treated “remediated” brackish groundwater to supplement potable water supplies. It is anticipated that the City of Torrance will use the product water from the expansion. Additional measures may be necessary in the future to fully contain and remediate the saline plume, which extends beyond the Torrance area. The District continues to work with stakeholders in the West Coast Basin in determining long term solutions for removal of the saline plume.

FUNDING
This project received a total of $7 million in grant funding; $4 million from Proposition 84 Integrated Regional Water Management (IRWM) 2014 Drought Grant and $3 million from Proposition 50, Round 3 Desalination Grant Program.

OPERATING IMPACTS
The City of Torrance will continue to operate the Goldsworthy Desalter.

PRIOR YEAR HIGHLIGHTS
As of the end of FY15-16, the District has completed the construction of two new source water wells. The expansion of the Desalter started in January 2016 and is scheduled to be completed by May 2017.

PROJECTED 5-YEAR CIP

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27
STORMWATER CONSERVATION &
GROUNDWATER STORAGE PROJECTS
WHITTIER NARROWS CONSERVATION POOL FEASIBILITY STUDY

PROJECT DESCRIPTION
The Whittier Narrows Dam provides flood control, recreation and a reliable means of capturing storm water flows for groundwater replenishment in the Montebello Forebay. The U.S. Army Corps of Engineers (USACE), Los Angeles County Flood Control District (LACFCD) and WRD are interested in raising the maximum conservation pool elevation from 201.6’ to 205’ to allow for an estimated additional 1,100 AFY of storm water conservation that would otherwise be wasted to the ocean. The elevation increase does not require capital improvements, however, it does need USACE approval and updates to various studies and environmental documents related to dam operations at an increased conservation pool elevation. The WRD and LACFCD are working closely with USACE on a strategy to complete an updated Whittier Narrows Conservation Pool Feasibility Study (Study) to allow for a permanent change to the operating plan.

FUNDING
This project received a $576,000 Proposition 84 Integrated Regional Water Management (IRWM) Round 2 Grant.

OPERATING IMPACTS
Whittier Narrows Dam is managed by USACE and all operating changes must be approved by the USACE.

PRIOR YEAR HIGHLIGHTS
A federal cost-share agreement, which is required to commence the Study, was signed by all parties (USACE, LACFCD, and WRD). Subsequently, a kick-off meeting for the Study was held at WRD.

PROJECTED 5- YEAR CIP

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Project Schedule

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Construction

Post Construction
DOMINGUEZ GAP SEAWATER INTRUSION BARRIER- SECOND CONNECTION

PROJECT DESCRIPTION
The Los Angeles Department of Water and Power (LADWP) is expanding the Terminal Island Water Reclamation Plant/Advanced Water Purification Facility (TIWRP/AWPF), which produces the advanced treated recycled water that is currently injected at the Dominguez Gap Seawater Intrusion Barrier (Barrier). Once the TIWRP/AWPF is expanded by 2017, 100% advanced treated recycled water will be injected at the Barrier, thus replacing all the imported water that is currently utilized at the Barrier. Currently, the advanced treated recycled water is delivered by pipeline from the TIWRP/AWPF to one connection point at the Barrier. To allow for the increased delivery of recycled water and ensure the reliability of the delivery, a second connection and an associated pipeline must be constructed.

The pipeline associated with the second recycled water connection was being designed by MWH under contract to LADWP. LADWP’s contract with MWH expired and only 60 percent of the design had been completed. LADWP requested WRD’s assistance to complete the remaining 40 percent of the design and manage the procurement and construction of the pipeline. This project will not only increase the use of recycled water in the basin, but will also reduce dependency on imported water, which is a crucial component of WRD’s Water Independence Now (WIN) Program.

FUNDING
The second recycled water connection at the Barrier will be financed, designed, and constructed by WRD. It is expected that LADWP shall reimburse WRD approximately $3.42 million, plus any contingency funds that are expended for the design and construction of the pipeline. The balance would be paid for by the District.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
Since MWH has already commenced design of the associated pipeline, WRD will retain MWH for the design of the second recycled water connection.

PROJECTED 5- YEAR CIP
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**Project Schedule**

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GROUNDWATER BASIN OPTIMIZATION PIPELINE: PHASE 1

PROJECT DESCRIPTION
The WRD’s Groundwater Basin Master Plan (GBMP) proposes the Groundwater Basin Optimization Pipeline (GBOP), which will install new extraction wells within the Montebello Forebay and pump water to users to the south, creating storage capacity for additional storm water capture in the MFSG. The Draft GBMP estimates that an additional 17,000 AFY of storm water that currently flows to the ocean during large storm events can be captured and recharged at the MFSG with the increased storage capacity, creating a new, local water supply for the region. The GBOP will require an increase in pumping by 25,000 AFY to reduce elevated groundwater levels and allow for additional storm water recharge during/following high storm flow periods. This project will shift pumping patterns, thus shifting pumping from elsewhere in the Central Basin to the Montebello Forebay. The project will require installation of up to nine new extraction wells, pipelines and pump stations to deliver the water to existing water users downstream of the Montebello Forebay area.

FUNDING
The total Capital Improvement Program budget for Fiscal Years 2016-17 is $250,000

OPERATING IMPACTS
No operation impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project is in its planning stages; hence there are no highlights at this time.

PROJECTED 5- YEAR CIP

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Project Schedule

Planning

Design

Construction

Post Construction
PERCHLORATE REMEDIATION IN THE LOS ANGELES FOREBAY PROJECT

PROJECT DESCRIPTION
The District has been investigating a perchlorate groundwater plume with the assistance of various regulatory agencies in association with our Los Angeles Forebay Task Force. The groundwater impacts are located in a disadvantaged community within a deep regional aquifer system currently utilized by various water purveyors in the Los Angeles Forebay. The perchlorate concentrations are among the highest in California. The WRD has identified a “hot spot” that represents a substantial threat to the Central Groundwater Basin and will require treatment to reduce the threat to a local groundwater source within the Los Angeles Forebay region of the Central Groundwater Basin. A responsible party (RP) has not been identified by either the Department of Toxic Substances Control (DTSC) or the Los Angeles Regional Water Quality Control Board (LARWQCB). The WRD is currently pursuing grant funds to remediate the “hot spot” under Proposition 1.

FUNDING
A successful grant submittal will require funding contributions from the WRD. In our preliminary discussions with state grant fund representatives the required contribution may be up to 20%. The anticipated budget is projected for five years through FY 20-21. The first three years will include treatment system design/construction and will receive grant funds up to 80%. The post construction tasks in the final two years will not be eligible for grant funds as the state does not reimburse applicants for treatment system O&M.

OPERATING IMPACTS
No operation impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project is in its planning stages; hence there are no highlights at this time.

PROJECTED 5- YEAR CIP

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Project Schedule

Planning

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Construction

Post Construction

WRD
WEST COAST BASIN BRACKISH WATER RECLAMATION: PHASE 1

PROJECT DESCRIPTION
This regional project, which will consist of multiple desalter treatment plants, will remove the saline plume in the Silverado Aquifer located in the West Coast groundwater basin in south Los Angeles County. Operation of seawater barrier injection wells has effectively curtailed seawater intrusion into the West Coast Basin, however, a large residual saline plume remains trapped inland of the barrier wells, occupying 600,000 acre-feet of volume in the West Coast groundwater basin. This project will completely remediate the saline plume over a 40-year period by pumping and desalting 15,000 acre-feet of brackish groundwater each year. This project would provide a significant new potable water supply in the West Coast Basin and also reclaiming groundwater storage capacity in the basin by removing the brackish plume. The WRD’s Groundwater Basin Master Plan assumes this project would operate on a regional basis, providing a new potable source of water for several groundwater pumpers located within that basin whose pumping options are currently limited by the saline plume. This effort would ultimately adjust pumping patterns to maximize containment and removal of the saline plume, which would result in groundwater contamination remediation, reclamation of significant groundwater storage volume in the basin and creation of a significant new local water supply.

FUNDING
The total Capital Improvement Program budget for Fiscal Years 2016-17 is $100,000

OPERATING IMPACTS
No operation impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project is in its planning stages; hence there are no highlights at this time.

PROJECTED 5-YEAR CIP

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MONTEBELLO FOREBAY INJECTION WELLS: PHASE 1

PROJECT DESCRIPTION
To increase replenishment of recycled water, the WRD’s Groundwater Basin Master Plan (GBMP) includes additional replenishment via injection at new wells in the Montebello Forebay. This project may require diversions to the existing sewage collection system in the vicinity of the Whittier Narrows Water Reclamation Plant. With the sewer diversions, the wastewater flow that is currently treated at Joint Water Pollution Control Plan (JWPCP) and discharged via Los Angeles County Sanitation District’s existing ocean outfall off the coast of Palos Verdes would instead be recharged at the Montebello Forebay. New advanced water treatment facilities will be installed at the Montebello Forebay and Los Coyotes Water Reclamation Plant to produce approximately 18,190 acre-feet of advanced-treated water. This water will then be conveyed and injected into the Montebello Forebay through new pipelines and up to 17 new injection wells. It should be noted that since the development of the GBMP, Metropolitan Water District of Southern California (MWD) has initiated studies to develop recycled water from the JWPCP and convey to areas of the Central Basin. If this project proceeds, the MWD recycled water would serve as an alternative source for the injection described above.

FUNDING
The total Capital Improvement Program budget for Fiscal Years 2016-17 is $100,000.

OPERATING IMPACTS
No operation impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project is in its planning stages; hence there are no highlights at this time.

PROJECTED 5-YEAR CIP

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**Project Schedule**

Planner

Design

Construction

Post Construction
WEST COAST BASIN INLAND INJECTION WELL SYSTEM: PHASE 1

PROJECT DESCRIPTION
This project increases water replenishment within the West Coast Basin through the installation of a new injection well system inland from existing injection barriers. The system will be supplied with local recycled water produced at a proposed new advanced water treatment facility at Los Angeles County Sanitation Districts’ Joint Water Pollution Control Plant (JWPCP), which will produce up to 17,000 AFY of advanced treated water. The WRD’s Groundwater Basin Master Plan assumes that 15,000 AFY can be injected into the groundwater basin at the new Inland Injection Well System, and the remaining 2,000 AFY will be used for injection at the Dominguez Gap Barrier Project. The proposed project will require construction of advanced treatment capacity at the JWPCP, new pipelines, pump stations, and injection wells. Up to 16 new extraction wells with wellhead treatment facilities will be required, as determined by participating pumpers. It should be noted that since the development of the GBMP, MWD has initiated studies to develop recycled water from the JWPCP and convey to areas of the West Coast Basin. If this project proceeds, the MWD recycled water would serve as an alternative source for the injection wells described above.

FUNDING
The total Capital Improvement Program budget for Fiscal Years 2020-21 is $100,000

OPERATING IMPACTS
No operation impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project is in its planning stages; hence there are no highlights at this time.

PROJECTED 5-YEAR CIP

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Project Schedule

Planning

Design

Construction

Post Construction
GROUNDWATER MANAGEMENT PROJECTS
REGIONAL GROUNDWATER MONITORING PROGRAM

PROJECT DESCRIPTION
The Regional Groundwater Monitoring Program (RGMP) collects groundwater level and groundwater quality data used for groundwater basin management for the Central Basin and West Coast Basin, two of the most utilized urban groundwater basins in the nation. This is achieved through groundwater monitoring, modeling, and planning, which provides the basis to understanding the dynamic changes in the basins. The RGMP currently consists of a network of 324 specialized monitoring wells at 58 locations throughout the District to a maximum depth of nearly 3,000 feet, and WRD staff, comprised of hydrogeologists and engineers, provide the expertise to collect, analyze and report on the collected groundwater data. WRD uses the data generated by the RGMP to address current and potential water quality issues and groundwater replenishment within the basins. In addition, the RGMP provides flexible management practices to adjust groundwater resources planning as circumstances or conditions warrant. The RGMP has proved valuable as WRD works to implement its Water Independence Now program, maximizing local water sources to replenish, preserve and protect the basins and eliminating its dependence on imported water.

FUNDING
The capital costs are for the construction of new monitoring wells (five for regional monitoring and six for contamination investigations) and data collection equipment.

OPERATING IMPACTS
Wells are monitored by WRD staff. The new wells will be folded into the current operations plan.

PRIOR YEAR HIGHLIGHTS
The RGMP was awarded the 2011 Groundwater Protection Award from the National Groundwater Association. In 2011, because of success and extensiveness of the RGMP, the State of California designated WRD as the official California Statewide Groundwater Elevation Monitoring (CASGEM) entity for the Central and West Coast Basins, responsible for providing the State’s Department of Water Resources with groundwater data from the RGMP.

PROJECTED 5- YEAR CIP

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**Project Schedule**

Planning

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Construction

Post Construction
MONTEBELLO FOREBAY RECHARGE ENHANCEMENT STUDY (MFRES)

PROJECT DESCRIPTION
The Montebello Forebay Recharge Enhancement Study (MFRES) will review and update the findings of the Montebello Forebay Recharge Optimization Study (Optimization Study). The Optimization Study, completed in 2001, describes how additional local stormwater could potentially be captured for recharge if the water table could be lowered through increased pumping. The Optimization Study identifies approximately 17,000 AFY of additional stormwater to be captured as a preferred alternative from a range of 2,000 to 29,000 AFY of stormwater; however it depends on the level of pumping and depth of the water table. The MFRES will review the assumptions made in the Optimization Study and assess its findings in response to the various physical and operational improvements to the Montebello Forebay completed since 2001.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 is $250,000.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
The MFRES project commenced in 2014; the review and compilation of historical data was substantially completed in early 2015. The preparation of the hydrologic model and Montebello Forebay Spreading Grounds Operational Model (MFSGOM) were initiated in late 2014 and are on schedule to be completed in spring 2016.

PROJECTED 5- YEAR CIP

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ENHANCED-MONTEBELLO FOREBAY RECHARGE ENHANCEMENT STUDY (E-MFRES)

PROJECT DESCRIPTION
The Enhanced-Montebello Forebay Recharge Enhancement Study (E-MFRES) will review and update the findings of the Montebello Forebay Recharge Enhancement Study (MFRES). This project will commence at the completion of the MFRES.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 is $75,000.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project has not commenced; hence, there are no highlights at this time.

PROJECTED 5- YEAR CIP

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Project Schedule
Planning

Study

Construction

Post Construction
RECHARGE OPERATIONS - FLOW METERS

PROJECT DESCRIPTION
The District will install flow metering devices to enhance the measurement of the rate and volume of imported, recycled, and storm waters entering the Montebello Forebay and the spreading grounds. Metering devices will expand the existing network of gaging stations operated by the USGS, Army Corps of Engineers, and Los Angeles County Flood Control District. In addition, troublesome gaging stations may be improved or replaced.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 is $300,000.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project has not commenced; hence, there are no highlights at this time.

PROJECTED 5-YEAR CIP

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SAFE DRINKING WATER PROGRAM
SAFE DRINKING WATER PROGRAM
(Lynwood, Huntington Park, & CA American Water Arlington Well)

PROJECT DESCRIPTION
The Safe Drinking Water Program (Program) provides incentives to groundwater producers to pump and treat contaminated groundwater rather than abandoning affected wells. The Program offers two options, grant assistance and loan assistance to basin pumpers for wellhead treatment to remove contaminants and improve water quality. The grants assistance program provides treatment for removing groundwater contaminants from man-made sources (e.g. Volatile Organic Compounds). The loan assistance program provides ten-year, zero-interest loans for water treatment to remove or reduce to compliance standards groundwater contaminants from natural sources (e.g. iron, manganese, and arsenic). Since the Program’s inception, the District has funded 13 grants, four loans and one demonstration project. This CIP project is intended to cover the costs associated with Grant Funded Projects only.

The District Board recently approved three wellhead treatment system projects for FY 16-17, including Lynwood, Huntington Park, and CA American Water Arlington Well. The wellhead treatment system at all three wells will consist of a complete granular activated filtration system built within the boundaries of the existing well sites owned and operated by the water systems. Granulated Activated Carbon filtration is a closed system that has long been recognized as an effective means for removing Volatile Organic Compounds (VOCs), including PCE and TCE, from groundwater wells. The treatment systems will have the capacity to treat the full flow of the wells. The three wells are affected by VOCs and qualify for a Priority “A” Treatment Grant where the District funds the cost of design and construction. The District will take the lead on procurement and installation of the treatment facilities. However, operation, maintenance, and all permits remain the responsibility of the water system.

FUNDING For Loan Assistance Projects, the District developed the Safe Drinking Water Program Revolving Loan Fund, which stabilizes funding and expands the loan assistance program’s overall use.

OPERATING IMPACTS There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS The District developed the Safe Drinking Water Program Revitalization Plan to maximize participation in the Program and the Safe Drinking Water Disadvantaged Communities (DAC) Pilot Program, which identifies DAC water systems with contaminated water issues and provides technical assistance.
**PROJECTED 5- YEAR CIP**

**Lynwood**

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**Project Schedule**

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**Huntington Park**

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**Project Schedule**

- Planning
- Design
- Construction
- Post Construction
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WATER INFRASTRUCTURE
MANAGEMENT PROJECTS
ASSET MANAGEMENT PROGRAM

PROJECT DESCRIPTION
The District has invested more than $127 million in capital improvement projects that need to be managed and maintained over their useful life; hence the District Board of Directors initiated the development of an Asset Management Program, specifically an Asset Management Master Plan and Phase 1 Pilot Project. The Asset Management (AM) Plan was completed in FY 15-16 and it establishes a priority list of recommended actions and projects using factors as level of effort, business drivers, cost, staff involvement, duration and alignment to the District’s strategic direction including any future strategic plans for Supervisory Control and Data Acquisition (SCADA) and Centralized Information System (CIS), respectively. The completed AM Plan proposed initiatives that are grouped into four elements, including:

❖ Planning:
   ▪ Develop a Risk Management Framework
   ▪ Draft and implement AM Policy
   ▪ Develop an AM Strategy (including AM Governance Structure, Framework, and business process mapping to implement strategies to give effect to the policies established)

❖ Core Service Delivery
   ▪ Improve the Capital Improvement Projects processes and practices for major maintenance, asset renewals, and replacement (including asset lifecycle planning)
   ▪ Implement Advance Maintenance Practices

❖ Performance Management
   ▪ Develop Levels of Service Framework

❖ Support Services
   ▪ Develop an Information Technology (IT) Master Plan
   ▪ Implementation of a Computerized Maintenance Management System (CMMS) software (including a pilot program and a District-wide roll-out)
   ▪ Pilot Program Asset Data Collection
   ▪ GIS Software Update
   ▪ Document Management System Update and Reconfiguration

The Phase 1 Pilot Project is scheduled to commence in FY 16-17 at the Leo J. Vander Lans Advanced Water Treatment Facility and will evaluate the asset management system and database and provide a baseline for a strategic implementation of all the District’s capital projects. Implementation of an AM Program will extend or renew the service life of the District’s assets, resulting in reduced long-term maintenance and operating costs.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 is $465,000.

OPERATING IMPACTS
No operation impacts at this time. Impacts are expected once the Phase 1 Pilot Project is implemented.

PRIOR YEAR HIGHLIGHTS
An Asset Management Master Plan (MP) Report on Asset Management Gap Analysis was completed. The MP provides recommended initiatives and a roadmap for full Asset Management Program implementation. Following the recommendation of the MP, an Information Technology (IT) Master Plan was initiated. Also, the District selected a CMMS software product and an implementer for the Phase 1 Pilot Project.
### PROJECTED 5- YEAR CIP (per the Asset Management Plan elements)

**Planning**

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**Project Schedule**

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- Construction
- Post Construction

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**Project Schedule**

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CENTRALIZED INFORMATION SYSTEM (CIS)

PROJECT DESCRIPTION
The District will establish a comprehensive Central Information System (CIS) at the District headquarters that will serve as the master Supervisory Control and Data Acquisition (SCADA) System control room and the centralized data repository for the District’s Enterprise Asset Management System (AM), Computerized Maintenance & Management System (CMMS), Groundwater Monitoring and Modeling System(s) and Geographic Information System (GIS). Centralized information will facilitate the development of reports that show the broad range of activities that the District is engaged in, simplify administrative tasks, improve security, make data management more efficient and it will maintain the integrity of all the data that the District manages. The CIS will be developed simultaneously to the implementation of the various other operation systems, such as AM, CMMS and SCADA.

FUNDING
The total Capital Improvement Program budget for Fiscal Years 2016-17 is $165,000

OPERATING IMPACTS
No operation impacts at this time.

PRIOR YEAR HIGHLIGHTS
The hardware and software of the CIS have been installed at the District; however, configuration of the system is expected next fiscal year.

PROJECTED 5-YEAR CIP

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Project Schedule

Planning

Design

Construction

Post Construction
SUPervisory Control And Data Acquisition (SCADA) System

Project Description
The Supervisory Control and Data Acquisition (SCADA) System project includes the completion of a needs assessment, a comprehensive SCADA System Master Plan strategy, which creates a standardized control system architecture for all of the District’s respective operating facilities and a project portfolio. The SCADA System Master Plan specifies the priorities and costing of a standardized SCADA system that will meet the expanding needs of the District, as related to the implementation of proposed and ongoing construction projects including the expansion of the Robert W. Goldsworthy Desalter (Goldsworthy Desalter), the two turnout structures at the Montebello Forebay Spreading Grounds and the new Groundwater Reliability Improvement Program (GRIP) Advanced Water Treatment Facility (AWTF). The SCADA System Master Plan provides a Project Portfolio which describes a list of recommended implementation projects to achieve the intended SCADA vision, goals and objectives set forth by the District. The Project Portfolio is outlined as follows:

- Foundational Projects
  - GRIP Recycled Water Turnout Structures Base Human Machine Interface (HMI), including Galaxy Repository and Historian
  - Programmable Logic Center (PLC) and HMI Software Standards Creations (standards given to System Integrators for upcoming construction projects)
  - HMI Licensing and Support Renewal (Wonderware System Platform- provides centralized configuration, deployment, communication, security, data connectivity, and collaboration)
  - PLC and other Industrial Control System hardware purchasing and software licensing and support renewal

- SCADA System Integration for Construction Projects
  - Goldsworthy Desalter Expansion- communication to WRD office; HMI Integration to WRD office
  - GRIP AWTF Communication to WRD office; HMI Integration to WRD office
  - Centralized Information System (CIS) creation at WRD office

- SCADA System Integration-Other
  - Communications Options to the WRD nested groundwater monitoring well network; integration to SCADA system at CIS
  - SCADA system integration to WRD’s Computerized Maintenance Management System (CMMS)
  - SCADA Network Security and Maintenance (Network Protection and Diagnostics)

The master SCADA system control room will reside at the WRD’s headquarters within the CIS.

Funding
The Capital Improvement Program budget for Fiscal Year 2016-17 is $1,698,063.

Operating Impacts
No operation impacts at this time.

Prior Year Highlights
The SCADA System Master Plan was completed. The Master Plan specifies the priorities and costing of a standardized SCADA system that will meet the expanding needs of the District, as related to the implementation of proposed and ongoing construction projects.
## Foundation Projects

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### Project Schedule

- Planning
- Design
- Construction
- Post Construction

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### Project Schedule

- Planning
- Design
- Construction
- Post Construction
## System Integration

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## Project Schedule

| Planning | Design | Construction | Post Construction | | | | |
FACILITIES MANAGEMENT,
MAINTENANCE, AND REPAIR
HEADQUARTERS BUILDING IMPROVEMENTS PROJECTS

PROJECT DESCRIPTION
The District headquarters building located at 4040 Paramount Blvd in the city of Lakewood upkeep and maintenance needs are outlined in various phases and projects, including:
  - Phase 1 and Phase 2 of Tenant Improvement Repair: includes the reconfiguration of office space, improvement and renovation of elements, such as walls, carpets, paint, etc. and other work space needs
  - Roof Replacement Project
  - HVAC Improvements Project
  - Drought Tolerant Landscape Demonstration Garden Improvement

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 of $225,000 are directly related to Phase 1 and Phase 2 of Tenant Improvement Repairs.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
Planning for Phase 1 and Phase 2 of Tenant Improvement Repair was initiated.

PROJECTED 5- YEAR CIP

Phase 1: Tenant Improvement Repair

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Project Schedule

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Construction

Post Construction
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### Project Schedule

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- **Design**
- **Construction**
- **Post Construction**

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### Project Schedule

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- **Construction**
- **Post Construction**
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### Project Schedule

- **Planning**
- **Design**
- **Construction**
- **Post Construction**

### Drought Tolerant Landscape Demonstration Garden Improvement

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<tr>
<th>Project Budget</th>
<th>Prior Year Expenditures</th>
<th>FY 16-17 Projected Budget</th>
<th>FY 17-18 Projected Budget</th>
<th>FY 18-19 Projected Budget</th>
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### Project Schedule

- **Planning**
- **Design**
- **Construction**
- **Post Construction**
FIELD OPERATIONS AND STORAGE ANNEX FACILITY PROJECT

PROJECT DESCRIPTION
The District identified an available 2.3-acre parcel located at 3919 Paramount Blvd (Field Operations and Storage Annex Project) in the city of Lakewood as a potential site for varying uses. The District has continually leased off-site space for storage of various office, operating, testing and sampling equipment, miscellaneous supplies, and fleet parking since moving into 4040 Paramount Boulevard, Lakewood, CA. The current leased storage space is no longer big enough to meet WRD’s growing storage needs, and the current off-site lease facility cannot offer WRD the additional storage space it requires. The Paramount Equipment and Fleet Center provides an option to relocate two locations under lease for field operations storage. The District approached the Owners with an offer to purchase the property due to its unique proximity to the District and ability to solve WRD’s immediate need for additional storage space and future areas for growing inventory of spare and replacement parts for the existing Robert W. Goldsworthy Desalter and Leo J. Vander Lans Advanced Water Treatment Facility. In addition, Paramount Equipment and Fleet Center can be subdivided and sublet in ways that could offset current off-site lease storage space costs and costs associated with servicing debt associated with the acquisition.

FUNDING
The Capital Improvement Program budget for Fiscal Year 2016-17 directly related to property acquisition and due diligence cost(s) is $3,800,000 (purchase price) and $144,000 (due-diligence and site as-built/condition assessments), respectively. Minor building maintenance and repair/improvement (non-tenant improvement type work) projects and related costs over the Five-Year CIP are estimated at approximately $100,000. The Phase 1 - property renovation (tenant improvement) project has been estimated at approximately $750,000.

OPERATING IMPACTS
There are no operating impacts at this time.

PRIOR YEAR HIGHLIGHTS
This project and the related property acquisition are currently underway and escrow is estimated to be closed in 2016.
# PROJECTED 5- YEAR CIP

<table>
<thead>
<tr>
<th>Project Budget</th>
<th>Prior Year Expenditures</th>
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## Project Schedule

### Planning

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### Design

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### Construction

- [ ]

### Post Construction

- [ ]
ATTACHMENT A

Project Title
Updated Five-Year Capital Improvement Program for Fiscal Years 2016-17 through Fiscal Years 2020-21

Project Location and Description of Project
The Fiscal Years 2016-17 through 2020-21 Five-Year Capital Improvement Program (“CIP”) is a five-year planning document that identifies potential capital projects and equipment purchases. The CIP is an update to WRD’s previous five-year plan that provides information to the public regarding the upcoming capital priorities and allows for multi-year financial planning to support those priorities. The CIP for Fiscal Years 2016-17 through 2020-21 is organized into seven general project categories: (1) Water Independence Now (“WIN”) Groundwater Reliability Improvement Program (“GRIP”); (2) brackish water reclamation projects; (3) stormwater conservation and groundwater storage projects; (4) groundwater management projects; (5) safe drinking water projects; (6) water infrastructure management projects; and (7) facilities management, maintenance, and repair. Those programs will take place at various locations throughout the Water Replenishment District of Southern California (“WRD”). Those locations include, but are not limited to, the cities of Pico Rivera, Torrance, Long Beach, South El Monte, Rosemead, Industry, Lynwood, Huntington Park, and Montebello in Los Angeles County.

Reasons Why Project is Exempt
The proposed action to adopt the CIP is exempt under CEQA as provided in CEQA Guidelines section 15061(b)(3). The proposed action does not authorize potential uses as “projects” as defined under CEQA, including, but not limited to, the WIN initiative Groundwater Reliability Improvement Program, brackish water reclamation projects, stormwater conservation and groundwater storage projects, groundwater management projects, safe drinking water projects, water infrastructure management projects, and general management and repair programs. Given the range of potential varying uses over the next five years, the proposed action to adopt the CIP will not result in a reasonably foreseeable physical change to the environment. If a specific action under the CIP would result in a reasonably foreseeable physical change to the environment, environmental review under CEQA in accordance with applicable law would be conducted at that time.
MEMORANDUM
ITEM NO. 13

DATE: SEPTEMBER 16, 2016
TO: BOARD OF DIRECTORS
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: ADOPTION OF WRD STRATEGIC PLAN

SUMMARY
Strategic planning is the process of defining a strategy, or direction, and making decisions on allocating various resources to pursue a preferred strategy. WRD’s Board of Directors employed the aforementioned process when it held its strategic planning retreat in 2015. The retreat included setting numerous goals, determining actions to achieve the goals, and mobilizing resources to execute the recommended actions. The WRD Strategic Plan sets the vision, goals, and objectives for WRD's numerous programs, projects, and initiatives. The WRD Management Team will next be tasked with developing the necessary action plans that will describe how the ends (goals) will be achieved by the means (resources).

The WRD Strategic Plan is intended to be updated annually and in advance of WRD’s regular Budget, Cost of Service Report, and Capital Improvement Program Update processes, respectively. The WRD Strategic Plan will also help guide the development of other long range regional planning efforts like WRD's Adopted Groundwater Basin Master Plan.

The next WRD Strategic Planning Retreat is proposed to be scheduled around February 2017.

FISCAL IMPACT
None.

STAFF RECOMMENDATION
The Board of Directors adopt of the WRD Strategic Plan.
MEMORANDUM

ITEM 14

DATE: SEPTEMBER 15, 2016
TO: BOARD OF DIRECTORS
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: LOS ANGELES BUSINESS COUNCIL MEMBERSHIP DUES

SUMMARY
The Los Angeles Business Council (LABC) is renowned for its effective advocacy and educational programs throughout the region, and is a vital representative of business leaders from all industry sectors. The LABC provides its members with strong conduits to local, state and federal officials through targeted policy recommendations and key issue briefings, and annually hosts the influential Mayoral Housing, Education and Sustainability Summits and Los Angeles Architectural Awards luncheon.

For the past several years WRD has been a member of LABC at the Government/Non-Profit membership level. LABC approached WRD staff to inquire about raising its membership level to the Executive Membership level, thereby allowing for 3 individual memberships (as compared to the current single membership), plus access to Executive Member only events including legislative forums, receptions and dinners.

The Executive Membership level is $2,000. The 2016-17 FY budget includes the Government/Non-Profit membership level of $500. The budget contingency is sufficient to cover the cost differential for the higher membership level.

FISCAL IMPACT
Not to exceed $2,000.

STAFF RECOMMENDATION
The External Affairs Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors approve the LABC Executive Membership Level for an amount not to exceed $2,000.
DATE: September 15, 2016

TO: BOARD OF DIRECTORS

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: COUNCIL FOR WATERSHED HEALTH 20TH ANNIVERSARY EVENT

SUMMARY
Founded in 1996, the Council for Watershed Health (CWH) promotes more efficient use of stormwater resources by providing leadership, guidance, and technical assistance to agencies and organizations to affect sound watershed planning and management. CWH has a proven track record of strengthening coordination of regional watershed planning, measuring and tracking progress towards achieving healthier urban environments and fostering regional landscape ethic that reduces water use through the planting of native and regionally appropriate vegetation. Today, CWH’s programs reflect the complexity of water resiliency in a changing climate and continue to address diverse themes such as, urban storm water capture and recharge, community capacity building in multi-benefit green infrastructure projects, water quality monitoring, and the implementation of sustainable landscapes.

This year CWH celebrates its 20th anniversary with an event taking place on September 17, 2016 at the Natural History Museum of Los Angeles County and WRD has been asked to serve as a sponsor. This event will recognize and honor LA County Supervisor Sheila Kuehl, Irma Munoz (Mujeras de la Tierra) and the Water Foundation. There is sufficient funding in the WRD Regional Sponsorship budget to cover the cost.

FISCAL IMPACT
Not to exceed $2,500.

STAFF RECOMMENDATION
The External Affairs Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors approve sponsorship for Council for Watershed Health 20th Anniversary Event for an amount not to exceed $2,500.
MEMORANDUM
ITEM 16

DATE: SEPTEMBER 15, 2016
TO: BOARD OF DIRECTORS
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: COUNTY OF LOS ANGELES WOMEN’S LEADERSHIP COUNCIL CONFERENCE

SUMMARY
The County of Los Angeles Department of Public Works Women’s Leadership Council is comprised of public officials, county department heads, and working professionals. The organization encompasses a broad spectrum of professionals to network with including leaders in government, business, and community.

Their 7th Annual Women’s Leadership Conference is taking place on November 11, 2016 in Pasadena and WRD has been asked to serve as a sponsor. This event is expected to draw 900 attendees from County departments, outside agencies, and the general public. The goal of the conference is to inspire and empower attendees to take leadership roles in business, government, and in other service organizations in the community. This event provides a new opportunity to educate and update local leaders about relevant and critical water issues facing our region, including the status of the Groundwater Reliability Improvement Project located in Pico Rivera.

FISCAL IMPACT
The County of Los Angeles Department of Public Works Women’s Leadership Council 7th Annual Women’s Leadership Legacy Conference: Not to exceed $1,500.

STAFF RECOMMENDATION
The External Affairs Committee did not take action on this item; thus, the item is being submitted to the Board of Directors for its consideration. Therefore, Staff recommends the Board of Directors approve the sponsorship for County of Los Angeles Women’s Leadership Council Cofer for an amount not to exceed $1,500.