

**MEETING OF THE CAPITAL IMPROVEMENT PROJECTS  
COMMITTEE OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA  
4040 PARAMOUNT BLVD., LAKEWOOD, CALIFORNIA 90712  
11:00 A.M., THURSDAY, SEPTEMBER 14, 2017**

**AGENDA**

EACH ITEM ON THE AGENDA, NO MATTER HOW DESCRIBED, SHALL BE DEEMED TO INCLUDE ANY APPROPRIATE MOTION, WHETHER TO ADOPT A MINUTE MOTION, RESOLUTION, PAYMENT OF ANY BILL, APPROVAL OF ANY MATTER OR ACTION, OR ANY OTHER ACTION. ITEMS LISTED AS "FOR INFORMATION" MAY ALSO BE THE SUBJECT OF 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. APPROVE MINUTES OF THE MEETING OF AUGUST 24, 2017**

*Staff Recommendation:* Approve the minutes as submitted.

**4. AUTHORIZATION TO PREPARE AND RELEASE A REQUEST FOR QUALIFICATIONS (RFQ) FOR A BUSINESS AND ENTERPRISE NETWORK ARCHITECTURE AND SYSTEMS DESIGN CONSULTING SERVICES FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP) FACILITIES**

*Staff Recommendation:* The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to prepare and release a Request for Qualifications (RFQ) for Business and Enterprise Network Architecture and Systems design consulting services for the Groundwater Reliability Improvement Project (GRIP) facilities.

**5. COMPUTING INFRASTRUCTURE REPLACEMENT AND UPGRADE FOR BUSINESS NETWORK**

*Staff Recommendation:* The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to purchase a server and storage system from DataOn Storage for an amount of \$86,500, plus a 10% contingency of \$8,650, for a total amount not to exceed \$95,150.

**6. PURCHASE OF MICROSOFT LICENSES FOR BUSINESS NETWORK**

*Staff Recommendation:* The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to purchase Microsoft licenses from CDWG for an amount not to exceed \$64,950.

**7. CONSTRUCTION PROJECT UPDATE AND CONTRACT AMENDMENTS WITH CAROLLO ENGINEERS FOR THE GOLDSWORTHY DESALTER EXPANSION PROJECT**

Staff Recommendation: The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to execute:

- 1) Amendment No. 5 for Agreement No. 752 with Carollo Engineers to provide additional engineering support for the Robert W. Goldsworthy Desalter Expansion Project, subject to approval as to form by District Counsel, for an amount not to exceed \$87,500 and extend the term of the agreement to December 31, 2018, and;
- 2) Amendment No. 2 for Agreement No. 787 with Carollo Engineers to provide additional construction management services for the Robert W. Goldsworthy Desalter Expansion Project, subject to approval as to form by District Counsel, for an amount not to exceed \$97,500 and extend the term of the agreement to December 31, 2018.

**8. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) PHASE 2 INTERPRETIVE/EXHIBITRY DESIGN, CONSTRUCTION, AND INSTALLATION SERVICES**

Staff Recommendation: The CIP Committee authorize staff to prepare Amendment No. 1 to our existing agreement with Mad Systems that will include a scope of work for Phase 2 of the GRIP Interpretive/Exhibtry design, construction, and installation services for a total project budget amount not to exceed \$2.50 million, including a ten-percent project budget contingency.

**9. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM ADVANCED WATER TREATMENT FACILITY (GRIP AWTF) DESIGN-BUILD PROJECT PROGRESS REPORT**

Staff Recommendation: For discussion and possible action.

**10. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) OUTREACH PROGRAMS UPDATE**

Staff Recommendation: For discussion and possible action.

**11. DEPARTMENT REPORT**

Staff Recommendation: For information.

**12. DIRECTORS REPORTS, INQUIRIES AND FOLLOW-UP OF DIRECTIONS TO STAFF**

### 13. ADJOURNMENT

The Committee will adjourn to its next meeting currently scheduled for September 28, 2017 at 11:00 a.m.

Agenda posted by Tracey Burke, Senior Administrative Specialist on September 11, 2017. In compliance with ADA requirements, this document can be made available in alternative formats upon request.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the meeting, please contact Senior Administrative Sherri Brown at (562) 921-5521 for assistance to enable the District to make reasonable accommodations.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712.

Agendas and minutes are available at the District's website, [www.wrd.org](http://www.wrd.org).

EXHAUSTION OF ADMINISTRATIVE REMEDIES – If you challenge a District action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the District office at, or prior to, the public hearing. Any written correspondence delivered to the District office before the District's final action on a matter will become a part of the administrative record.



## MEMORANDUM

### ITEM NO. 3

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: APPROVE MINUTES OF THE MEETING OF AUGUST 24, 2017**

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**MINUTES OF AUGUST 24, 2017  
MEETING OF THE CAPITAL IMPROVEMENT PROJECTS (CIP) COMMITTEE  
OF THE BOARD OF DIRECTORS  
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A meeting of the Capital Improvement Projects Committee of the Board of Directors of the Water Replenishment District of Southern California was held on Thursday, August 24, 2017 at 11:24 a.m., at the District Office, 4040 Paramount Boulevard, Lakewood, California 90712. Committee Chair Albert Robles called the meeting to order and presided thereafter. Senior Administrative Specialist Sherri Brown recorded the minutes.

**1. DETERMINATION OF A QUORUM**

A quorum was present, which included:

**Committee:** Committee Chair Albert Robles; President Robert Katherman and Directors Sergio Calderon and John D. S. Allen. Director Willard H. Murray, Jr. was excused.

**Staff:** Ken Ortega; Jim McDavid; Brett Glasscock; Lyndsey Bloxom; Monica Sijder; Pete Brown; David Alvarez; Ted Johnson

**Public:** Benjamin Ocasio – Pacific Resources Services; Brett Jordan – J. F. Shea; Michael Gagan – Kindel Gagan; Deryl McKissack and Hakim Chambers – McKissack; Rick Taylor – Dakota Communications; Maris Ensing – MAD Systems; Anthony Zorrilla – K2; Pedro Aceituno – Central Basin

**2. PUBLIC COMMENT**

*Pursuant to Government Code Section 54954.3*

None.

**3. PURCHASE OF LATITUDE GRAPHICS GEOCORTEX ESSENTIALS SOFTWARE TO IMPLEMENT THE NEW INTERACTIVE ONLINE MAPPING AND ANALYSIS APPLICATION**

Chief Hydrogeologist Ted Johnson provided the report.

Upon a motion duly made by President Katherman, seconded by Director Robles, and unanimously approved, with Director Murray absent, it was

RESOLVED: The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to enter into a license agreement to purchase *Geocortex Essentials Standard Edition* software for the interactive online mapping and analysis tool, subject to approval as to form by District Counsel, for a cost not to exceed \$20,350.

This item will be placed on the Consent Calendar on the agenda of the next Board of Directors meeting.

**4. GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM'S ADVANCED WATER TREATMENT FACILITY (GRIP AWTF) DESIGN-BUILD PROJECT PROGRESS REPORT**

Brett Jordan, Rick Taylor and Ben Ocasio provided the monthly contractor workforce diversity and outreach reports. Discussion followed.

Senior Engineer Jim McDavid provided an update and presentation of the GRIP construction progress. The Committee Chair requested that elementary school students who had attended the GRIP Groundbreaking ceremony in 2016 be invited to the one-year countdown event.

**5. GRIP OUTREACH PROGRAMS UPDATE**

Communication and Education Services Manager Pete Brown provided an update on Phase 1 of the GRIP Design and Exhibitry. Maris Ensing introduced Phase 2 solutions concepts to the Committee. Discussion followed.

The Committee Chair requested that printed copies of Mr. Ensing's slide presentation be given to the Board members for further discussion.

**6. DEPARTMENT REPORT**

None.

**7. DIRECTORS REPORTS, INQUIRIES, AND FOLLOW-UP OF DIRECTIONS TO STAFF**

None.

**8. ADJOURNMENT**

There being no further business to come before the Committee, the meeting was adjourned at 12:16 P.M.

\_\_\_\_\_  
Chair

ATTEST:

\_\_\_\_\_  
Member

Approved in minutes of:  
\_\_\_\_\_

Unapproved Minutes



## **MEMORANDUM**

### **ITEM NO. 4**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: AUTHORIZATION TO PREPARE AND RELEASE REQUEST FOR QUALIFICATIONS (RFQ) FOR A BUSINESS AND ENTERPRISE NETWORK ARCHITECTURE AND SYSTEMS DESIGN CONSULTING SERVICES FOR THE GROUNDWATER RELIABILITY IMPROVEMENT PROJECT (GRIP) FACILITIES**

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### **SUMMARY**

Design and construction related activities associated with the Groundwater Reliability Improvement Project's (GRIP) Advanced Water Treatment Facility are well underway. The alternative project delivery means and methods utilized to complete the aforementioned project requires careful planning and detailed coordination for work items not under the design-build entities area of responsibility, but that are still necessary to fully complete the project on time. These items include, but are not necessarily limited to; the GRIP Operations and Learning Center's Visitor's Exhibitry, the various Furniture, Fixtures, and miscellaneous (non-treatment plant related) Equipment (FF&E), and the business and enterprise network architecture and systems that include, but is not limited to the following components:

- ) Wide Area/Local Area Network(s),
- ) Wi-Fi Network(s),
- ) Server(s) hardware and related systems software,
- ) Desktop computers, and
- ) Audio/video presentation systems and equipment

WRD is responsible for designing, procuring, and overseeing (coordinating) the fabrication, delivery, installation, and testing of the various systems listed above. The first step in the procurement process is the selection of a systems designer (consultant) that can assist staff in preparing the necessary Design-Bid-Build (DBB) contract documents so that WRD can competitively (publicly) bid the subject business and enterprise network architecture and systems work(s).

**FISCAL IMPACT**

None at this time. Staff will return to the CIP Committee with a recommended consulting firm, scope of work, schedule, and fee proposal, following the completion of the qualifications based selection process.

**STAFF RECOMMENDATION**

The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to prepare and release a Request for Qualifications (RFQ) for Business and Enterprise Network Architecture and Systems design consulting services for the Groundwater Reliability Improvement Project (GRIP) facilities.





## **MEMORANDUM**

### **ITEM NO. 5**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: COMPUTING INFRASTRUCTURE REPLACEMENT AND UPGRADE FOR BUSINESS NETWORK**

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### **SUMMARY**

The District's primary computer server and storage system that runs the business network at the Lakewood facility was purchased seven years ago and is nearing the end of its useful life and soon will no longer be supported by the manufacturer. In addition, as part of the District's asset management initiative, new systems will be coming online in the near future that will require a more robust system in place, such as the Supervisory Control and Data Acquisition (SCADA) system and Computerized Maintenance Management System (CMMS). There will also be an increased use of the Geographic Information System (GIS) and automated workflows for business processes. All of these systems will place a higher demand on the computing and database infrastructure. Because of the end of support of the existing system as well as the increased demand, an upgrade of the existing server and storage system is required.

District staff evaluated several solutions and proposes a system utilizing standard Microsoft storage technologies provided by DataOn Storage. DataOn is the leading provider of this Microsoft technology and is a Gold Certified Microsoft Partner. The DataOn solution provides a proprietary management solution that is unique in the field, setting them apart from other vendors and providing specialized monitoring and maintenance that will be necessary for planned expansion of the system to other sites in the future. This state-of-the-art system is cluster based, in which several separate identical servers function as one larger system. This provides for high availability, as the cluster can lose individual servers and still function at full capacity and speed. The recommended system will more than triple the storage capacity of the existing system, while being considerably faster and twice as resilient. The system can be very easily and cost effectively expanded should growth occur at a higher than anticipated rate – storage and/or memory can simply be added to the new system as necessary.

### **FISCAL IMPACT**

The fiscal impact for the recommended system of \$86,500 (rounded) plus a 10% contingency of \$8,650 for a total amount not to exceed \$95,150. Sufficient funds are included in the District's 2017-2018 approved budget.

**STAFF RECOMMENDATION**

The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to purchase a server and storage system from DataOn Storage for an amount of \$86,500, plus a 10% contingency of \$8,650, for a total amount not to exceed \$95,150.



## **MEMORANDUM**

### **ITEM NO. 6**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: PURCHASE OF MICROSOFT LICENSES FOR BUSINESS NETWORK**

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### **SUMMARY**

In preparation for key aspects of the District's asset management initiative coming online in the near future, and consistent with WRD's normal technology replacement schedule, staff is in the process of upgrading WRD's primary computer server and storage system that runs the business network at the Lakewood facility. As part of this upgrade and in order to take advantage of the latest Microsoft technologies, software licenses must be purchased for the Microsoft Windows Server operating system. CDWG has provided a quote for the necessary licenses.

The proposed purchase is procured pursuant to the NASPO Value Point Cooperative Purchasing Organization. The state of California has a Participating Addenda with NASPO that explicitly allows other public entities within California to enter into piggyback contracts with participating companies to take advantage of negotiated governmental pricing rates. The proposal by CDWG adheres to the negotiated pricing set forth by the NASPO contract.

### **FISCAL IMPACT**

\$17,100 (rounded) for the necessary Microsoft licenses plus a 10% contingency of \$1,710 for a total amount not to exceed \$18,810. Sufficient funds are included in the District's 2017-2018 approved budget.

### **STAFF RECOMMENDATION**

The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to purchase Microsoft licenses from CDWG for an amount not to exceed \$64,950.



## **MEMORANDUM**

### **ITEM NO. 7**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS (CIP) COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: CONSTRUCTION PROJECT UPDATE AND CONTRACT AMENDMENTS WITH CAROLLO ENGINEERS FOR THE GOLDSWORTHY DESALTER EXPANSION PROJECT**

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### **SUMMARY**

WRD constructed the Robert W. Goldsworthy Desalter (“Goldsworthy Desalter”) in 2002 to treat brackish groundwater for potable use in the City of Torrance. This treatment plant is currently being expanded to double the production capacity from 2.5 million gallons per day (MGD) to 5 MGD. This project was initiated on December 17, 2015 and was expected to be completed on April 16, 2017. On July 31, 2017, a change order was negotiated with the contractor, Shimmick Construction Company Inc., to extend the contract completion date to August 19, 2017, for reasons including unanticipated valve and pipe replacements due to deterioration/corrosion, membrane vessel and fitting pipe leaks, utilities coordination, and implementation of WRD’s new Supervisory Control And Data Acquisition (SCADA) system and standards. The aforementioned work has resulted in additional minor project schedule delays, and staff now estimates completing plant expansion/construction activities by mid-October 2017. Plant commissioning and start-up testing is currently underway. Punch list work is also occurring concurrently.

### **Engineering Support During Construction**

On August 15, 2013, the District executed an agreement with Carollo Engineers to perform final design and provide engineering support during construction for the Desalter expansion project. Four amendments to the contract were subsequently executed in 2014, 2015, and 2017 to increase the budget and utilize contingency funds to provide additional design effort, prepare prequalification documents for construction contractors, prepare a project monitoring plan required for grant funding, and for additional work not covered in the original agreement. This additional out-of-scope work included the updating of process and instrumentation diagrams and equipment tagging to accommodate the District’s new SCADA standards, and incorporating the Goldsworthy Desalter in the District’s new asset management system. The approved budget including the four contract amendments totaled \$1,288,000.

Due to plant expansion/construction schedule delays, additional funds are needed to conduct reviews of additional Requests for Information (RFIs) and Submittals, attend meetings to address change order disputes, and provide additional support for system integration and plant commissioning. The total amount needed to complete these additional tasks through completion of the project totals \$87,500.

## **Construction Management (CM) Services**

On August 21, 2014, the Board of Directors executed an agreement for construction management (CM) services with Carollo Engineers for the Goldsworthy Desalter Expansion Project. A contract amendment was executed on April 6, 2017 to increase the budget to provide additional CM services and labor compliance monitoring through the negotiated project extension/completion date of August 19, 2017. The approved budget including the contract amendment totaled \$1,240,312. Because of the recent project delays, additional CM work and labor compliance monitoring is required to complete the expansion project. The total amount needed to complete these additional tasks through completion of the project totals \$97,500.

## **FISCAL IMPACT**

Sufficient funds are included in the District's Capital Improvement Program (CIP) for the design and construction of the Desalter expansion project. The Project is funded by the following funding sources: 2014 Water Desalination Grant for \$3 million, the Proposition 84 State grant for \$4 million, and District's bond proceeds.

## **STAFF RECOMMENDATION**

The Capital Improvement Projects Committee recommends that the Board of Directors authorize the General Manager to execute:

- 1) Amendment No. 5 for Agreement No. 752 with Carollo Engineers to provide additional engineering support for the Robert W. Goldsworthy Desalter Expansion Project, subject to approval as to form by District Counsel, for an amount not to exceed \$87,500 and extend the term of the agreement to December 31, 2018, and;
- 2) Amendment No. 2 for Agreement No. 787 with Carollo Engineers to provide additional construction management services for the Robert W. Goldsworthy Desalter Expansion Project, subject to approval as to form by District Counsel, for an amount not to exceed \$97,500 and extend the term of the agreement to December 31, 2018.



## **MEMORANDUM**

### **ITEM NO. 8**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS (CIP) COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP) PHASE 2 INTERPRETIVE/EXHIBITRY DESIGN, CONSTRUCTION, AND INSTALLATION SERVICES**

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### **SUMMARY**

WRD needs to start developing educational exhibitry for the Groundwater Reliability Improvement Project (GRIP) currently under construction in the City of Pico Rivera. The alternative project delivery method being used to complete the aforementioned project requires careful planning and detailed coordination for work items not under the design-build entities area of responsibility, but that are still necessary to fully complete the project on time. These items include, but are not necessarily limited to; the various Furniture, Fixtures and miscellaneous (non-treatment plant related) Equipment (FF&E), the business and enterprise network architecture and systems, and the GRIP Operations and Learning Center's Visitor's Exhibitry.

As a supplement to WRD's ongoing education program, the exhibits will educate the public about groundwater and water replenishment operations as an essential resource to the region's water supply. Developed exhibits will also inform visitors about the Water Independence Now Program, the GRIP Advanced Water Treatment Facility (AWTF), and about the role and science behind recycled water.

In November of 2016, WRD issued a Request for Qualifications (RFQ) for the Interpretive/Exhibitry Concept, Design, Construction, and Installation – Phase 1 Project, , and ultimately received proposals from three (3) respondents – MG Design Associates, Mad Systems, and Cinnabar/C&G Design. The respondents were scored by staff and an outside independent representative based on the detailed selection criteria specified in the RFQ. The selection criteria covered a total of Five (5) specific categories:

- A. Firm's experience and demonstrated ability with similar projects
- B. Qualifications of proposed key personnel and project team
- C. Effectiveness of project coordination efforts
- D. Accessibility of staff
- E. LBE/SBE/VBE Compliance

In March of 2017, WRD executed a Professional Services Agreement with Mad Systems for Phase 1 Project of the GRIP Interpretive/Exhibitry design, construction, and installation

services, and was limited to items installed in the WRD Headquarters Building Lobby. The scope of work for Phase 1 was completed in July of 2017.

Based on the experience gained from the Phase 1 Project, staff worked with Mad Systems to develop various concepts for the Phase 2 scope of work that were presented to the CIP Committee and discussed during the meeting on August 24, 2017. A final draft scope of work and budget proposal has been negotiated with Mad Systems, and is ready to be presented to the CIP Committee for its consideration and possible action.

### **FISCAL IMPACT**

The costs associated with the Phase 2 professional services contract will be paid for out of 2015 revenue bond proceeds for a total budgeted amount that will be determined by the CIP Committee and based upon the exhibitry elements chosen for inclusion in the Phase 2 project.

### **STAFF RECOMMENDATION**

The CIP Committee authorize staff to prepare Amendment No. 1 to our existing agreement with Mad Systems that will include a scope of work for Phase 2 of the GRIP Interpretive/Exhibitry design, construction, and installation services for a total project budget amount not to exceed \$2.50 million, including a ten-percent project budget contingency.

## **Interpretive Exhibitry Concept, Design, Construction, and Installation Services**

### **Phase 2**

#### **SCOPE OF WORK**

The Groundwater Reliability Project Advanced Water Treatment Facility (GRIP AWTF) and Administration and Learning Center (A+LC) will welcome a broad audience ranging from school-aged children to elected officials and water industry professionals. Therefore, we are seeking an interpretive exhibitry concept that would complement the interests of the attending audiences, including introductions to WRD's history, mission, Board of Directors, the GRIP AWTF treatment process, and groundwater management projects and programs.

The exhibitry should incorporate utilization of existing WRD content and applicable materials.

The general scope of work to be completed under Phase 2 will include, but is not limited to, the following:

- A defined conceptual design plan identifying visual media, illustration, sound and lighting techniques in conjunction with WRD staff and the Board of Directors
- Design development, including the creation of construction documents, storyboards and equipment lists in sufficient detail that construction costs may be estimated
  - Proposed details should also include colors, material specifications, and exact sizes and planned element locations
- Estimated project cost estimates
- Scripts and production plans for any multimedia elements
  - Programming and/or filming/animating may be completed under a separate contract, depending on the exhibit
- Fabrication of exhibitry and interpretive elements
- Installation of exhibitry and interpretive elements
- Training manual for WRD staff in the operation and troubleshooting of the exhibits, as appropriate
- Conduct workshops (web meetings are acceptable) at key points in the process, attend meetings with the team, and make a presentation to the Board of Directors as may be needed

The Phase 2 scope of work outlined above will be completed at the GRIP AWTF & A+LC which is under construction and located at 4320 San Gabriel River Parkway in Pico Rivera, California.

#### **DESIGN ELEMENTS**

The specific design elements anticipated to be completed within Phase 2 are included below. WRD will collaborate with Consultant on the content which the consultant shall produce and integrate into educational exhibit areas.

1. A+LC Entry/Lobby
  - a. Collateral display and distribution – Consultant will design, fabricate, and install a wall display for WRD collateral materials.



- b. WRD Board of Director Introductions – Consultant will design, fabricate, and install an exhibit to feature the members of the WRD Board of Directors. Consultant will utilize existing resources previously developed under the Phase 1 scope of work.
  - c. Wayfinding signage – Consultant will design, fabricate, and install wayfinding signage as appropriate.
2. A+LC First Floor Exhibit Hall
- a. Water 101 – Consultant will design, fabricate, and install exhibitry to educate visitors on the basics of water resources, including but not limited to; where our water comes from, why is water important, how do people use water, what are the types of water.
  - b. WRD Service Area and Projects/Programs Overview – Consultant will design, fabricate, and install exhibitry to educate visitors on the location and extent of the WRD service area and WRD's projects and programs in place for groundwater management (e.g. monitoring well locations and sampling program, water treatment facilities, etc...)
  - c. WRD History Timeline – Consultant will design, fabricate, and install exhibitry to feature the interactive history timeline application previously developed under the Phase 1 scope of work.
  - d. Basin Game Interactive – Consultant will design, fabricate, and install an interactive simulation game as described in Exhibit A of the Request for Qualifications. Consultant will work collaboratively with WRD in the content development and programming of the interactive.
  - e. Awards Display Case – Consultant will design, fabricate, and install exhibitry to enhance and compliment the previously designed awards case that will be constructed by the contractor.
  - f. Other Interactives – Consultant will design, fabricate, and install other interactives within the scope of this contract to tell stories, educate/inform visitors as part of an overall approach to the story being told. Consultant will work closely with WRD staff and management to develop the concepts and content to be included in these interactives.
  - g. Orientation Theater – Consultant will design, fabricate, and install an audio/visual system in the A+LC first floor orientation theater. Consultant will work closely with WRD staff and management to develop the concepts for the theater and the content to be included.
  - h. Wayfinding – Consultant will design, fabricate, and install wayfinding signage as appropriate.
3. AWTF Process Building
- a. River Overlook – Consultant will design, fabricate, and install exhibitry on the eastern end of the second floor Process Building walkway to orient visitors to the location of the San Gabriel River and to provide educational information.
  - b. Observation Decks – Consultant will design, fabricate, and install exhibitry on each of the three (3) observation decks located in the Process Building to educate visitors on the three stages of water treatment employed at the facility. Consultant will work with WRD staff and staff from the process treatment vendors on the concepts and content of said exhibitry.

- c. Laboratory / Observation Room – Consultant will design, fabricate, and install exhibitry to compliment the information displayed/visible in the Process Building Observation Room.
  - d. Water Sample Room – Consultant will design, fabricate, and install a water sample system and complimentary exhibitry to distribute water samples to visitors and convey the messages of “safety, purity, and reliability”.
4. Demonstration Gardens
- a. San Gabriel River and Spreading Grounds Model – Consultant will design, fabricate, and install exhibitry to accompany and explain the San Gabriel River and Spreading Grounds model. Content will include an explanation on the use of tertiary recycled water and advanced treated GRIP water for groundwater recharge.

The following items will be covered under a separate contract. Consultant will work closely with WRD staff, management, and hired consultants throughout the design, construction, and fabrication of these items to ensure consistency.

- ) Facility dedication plaques
- ) A+LC first floor reception desk
- ) A+LC first floor office space audio/visual equipment
- ) A+LC second floor audio/visual equipment
- ) Landscape/Demonstration garden signage (excluding river model as described above)
- ) Exterior/Amphitheater sound equipment
- ) Sponsor/Donor Recognition

## **PROJECT SCHEDULE**

The project will commence on March 16, 2017 and will extend through June 31, 2019.

## **PROJECT BUDGET**

The total costs to complete the Phase 2 scope of work is not to exceed \$2,250,000.

WRD management and staff have established a priority ranking of design elements to guide the Consultant on the time and resource distribution of the project budget. The ranking is as follows:

1. A+LC Main Exhibit (~70% of budget)
2. AWTF Process Building (~18% of budget)
3. Demonstration Gardens (~7% of budget)
4. A+LC Entry/Lobby (~5% of budget)

The Consultant will work collaboratively with WRD staff and management to determine the final appropriation of funds to all exhibitry and signage, prior to finalizing design.



## **MEMORANDUM**

### **ITEM NO. 9**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS (CIP) COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM'S ADVANCED WATER TREATMENT FACILITY (GRIP AWTF) DESIGN-BUILD PROJECT PROGRESS REPORT**

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### **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. Design and construction related activities commenced starting in July 2016. District staff will provide a regular verbal progress report to the CIP Committee.

### **FISCAL IMPACT**

None.

### **STAFF RECOMMENDATION**

For discussion and possible action.



## **MEMORANDUM**

**ITEM NO. 10**

**DATE: SEPTEMBER 14, 2017**

**TO: CAPITAL IMPROVEMENT PROJECTS (CIP) COMMITTEE**

**FROM: ROBB WHITAKER, GENERAL MANAGER**

**SUBJECT: GROUNDWATER RELIABILITY IMPROVEMENT PROGRAM (GRIP)  
OUTREACH PROGRAMS UPDATE**

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### **SUMMARY**

A GRIP Outreach Programs update will be provided at the meeting.

### **FISCAL IMPACT**

None.

### **STAFF RECOMMENDATION**

For discussion and possible action.