AGENDA
BOARD OF WATER COMMISSIONERS
REGULAR MEETING OF THURSDAY, NOVEMBER 29, 2018, AT 9:00 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

1. Pledge of Allegiance

2. Public Comment:
   
   GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER
   COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS
   WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE
   ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

3. Approval of Minutes – September 20, 2018 & October 4, 2018

4. President’s Report
   • Gloria Cordero, President, Board of Water Commissioners

5. Assistant General Manager’s Report
   • B. Anatole Falagan, Assistant General Manager

6. Adopt Specifications WD-03-19 and authorize the General Manager to execute an
   agreement with Sully Miller Construction Co. to provide street repair services in an
   amount not to exceed $3,500,000 for a period of one year, and to exercise the
   option to renew for two additional one-year periods, subject to a maximum increase
   of 10% for each renewal period
   • Tai J. Tseng, Assistant General Manager - Operations

7. Adopt Specifications WD-28-18 and authorize the General Manager to execute an
   agreement with South Bay Ford Lincoln Inc., to furnish and deliver Four (4) Service Rigs
   in an amount not to exceed $777,427.
   • Tai J. Tseng, Assistant General Manager - Operations

8. Adopt Specifications WD-33-18 to furnish, deliver, and install modular offices, and
   authorize the General Manager to execute a contract with Modular Building
   Concepts, Inc., in an amount not to exceed $250,000
   • Tai J. Tseng, Assistant General Manager - Operations

9. Authorize the General Manager to Execute the First Amendment to Agreement WD-
   3314 with DRP Engineering, Inc., to increase fees to provide Construction
   Management and Inspection Services for the S-1 Sewer Lift Station Rehabilitation
   Project (SC-0275) by $86,240 to an amount not-to-exceed $280,048
   • Sean Crumby, Deputy General Manager – Engineering
10. Adopt Resolution No. WD-1402 authorizing the General Manager to sign and file all necessary documents associated with the application for a grant agreement from the Department of Water Resources Clean Water State Revolving Fund Grant for the Advanced Metering Infrastructure Project
   • B. Anatole Falagan, Assistant General Manager

11. Adopt Resolution No. WD-1403 authorizing the General Manager to sign and file all necessary documents associated with the application for a grant agreement from the Department of Water Resources Clean Water State Revolving Fund Grant for the rehabilitation and replacement of sewer mains
   • B. Anatole Falagan, Assistant General Manager

12. Approve the Water Supply Assessment prepared for the Alexan Long Beach Project pursuant to California Water Code Section 10910 through Section 10914
   • B. Anatole Falagan, Assistant General Manager

13. Long Range Financial Projections
   • Greg Sorensen, Manager of Budget and Rates

14. Consider Standing Committee Referrals
   • Gloria Cordero, President, Board of Water Commissioners

15. New Business

16. Adjournment to the next Special Meeting, Thursday, December 20, 2018, at 9:00 a.m. in the Board Room at 1800 E. Wardlow Road, Long Beach, CA
Written materials relating to any item on the Commission’s agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807. If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.

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Kung ang pagsasalin-wika ng adyenda at mga katitikan ng Komisyon ay hinahangad para sa mga taong hindi nagsasalita ng Ingles mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 pitong oras bago ang pulong ng Komisyon.

Si desea obtener la traducción lingüística de la agenda y las actas de la Comisión para las personas que no hablan inglés, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión.

«ប្រយុទ្ធផ្នែកមួយក្នុងកិច្ចការនៃសហគមន៍ ដែលបានបញ្ចាក់ក្នុងព្រ័ត្រនៃកិច្ចការនៃសហគមន៍ របស់សហគមន៍ប្រកបដោយអតីតការពារប្រយុទ្ធផ្នែកមួយ សរសេរពីអតីតការពារប្រយុទ្ធផ្នែកមួយ ដោយផ្តល់ជូនអតីតការពារប្រយុទ្ធផ្នែកមួយ ២០២៩ ប្រកបដោយអតីតការពារប្រយុទ្ធផ្នែកមួយ (562) 570-6101 មាត់ពី ២ ម៉ែត្រ ២០២៩ ផ្តល់ជូនអតីតការពារប្រយុទ្ធផ្នែកមួយ»
The Board of Water Commissioners of the City of Long Beach met in the Board Room at the Administration Building, 1800 E. Wardlow Road, Long Beach, California, on September 20, 2018.

The meeting was called to order at 9:00 a.m. by President Shannon.

1. PLEDGE OF ALLEGIANCE

Commissioner Gloria Cordero, led the Board and audience in the Pledge of Allegiance.
2. **PUBLIC COMMENT**

President Shannon opened the public comment period.

As there was no public comment, the public comment period was closed.

3. **APPROVAL OF MINUTES – JULY 12, 2018**

President Shannon called for a motion to approve the minutes.

Commissioner Levine made a motion to approve the minutes of July 12, 2018. Commissioner Cordero seconded the motion.

President Shannon called for the vote. The motion carried unanimously.

4. **ELECTION OF OFFICERS – PRESIDENT, VICE PRESIDENT, SECRETARY**

- **Robert Shannon, President, Board of Water Commissioners**

President Shannon called for nominations for Board President.

Commissioner Saltzgaver nominated Commissioner Cordero for President. Commissioner Martinez seconded the nomination.

President Shannon called for any other nominations. Hearing none he closed the nominations and called for a vote. The nomination carried unanimously.

President Shannon announced that Commissioner Cordero would be the next Board President. She received a round of applause.

President Shannon called for nominations for Board Vice President.

Commissioner Martinez nominated Commissioner Saltzgaver for Vice President. Commissioner Cordero seconded the nomination.

President Shannon called for any other nominations. Hearing none he closed the nominations and called for a vote. The nomination carried unanimously.

President Shannon called for nominations for Board Secretary.

Commissioner Levine nominated Commissioner Martinez for Board Secretary. Commissioner Cordero seconded the nomination.

President Shannon called for any other nominations. Hearing none he closed the nominations and called for a vote. The nomination carried unanimously.

President Shannon congratulated the new Board officers. They all received a round of applause.
5. REPORT FROM MARK PESTRELLA, P.E. – DIRECTOR OF PUBLIC WORKS, COUNTY OF LOS ANGELES

President Shannon advised that agenda item 5. would be postponed till later in the meeting since staff had learned Mr. Pestrella had been delayed in traffic.

6. REVIEW BOARD MEETING SCHEDULE FOR OCTOBER & NOVEMBER 2018
   • Robert Shannon, President, Board of Water Commissioners

   President Shannon announced the review of the October and November board meeting schedules.

   He advised that he would be absent from the October 18, 2018 meeting. Commissioner Levine also reported he would not be in attendance on October 18th.

   The Board decided to reschedule the October 18th Board meeting to a special meeting to be held on October 25th.

   The Board determined to meet as follows in October:

   October 4, 2018 – Regular Board meeting – 9:00 A.M.
   October 25, 2018 – Special Board meeting – 9:00 A.M.

   President Shannon then called for a review of the November board meeting schedule.

   President Shannon called on Mr. Falagan to make comments regarding an upcoming Water Resources workshop.

   Mr. Falagan advised that the consultant, CDM Smith planned on leading a workshop regarding the Water Resources Plan on November 1st, and had advised they would need at least one hour for this workshop.

   The Board determined to meet as follows in November:

   November 1, 2018 – Regular Board meeting – 9:00 A.M.
   November 15, 2018 – Special Board meeting – 8:30 A.M.
   November 29, 2018 – Regular Board meeting – 9:00 A.M.

7. PRESIDENT’S REPORT
   • Robert Shannon, President, Board of Water Commissioners

   President Shannon thanked staff for all their support during his tenure as President the past year. He complimented staff on the professionalism of the entire department, and noted he was very proud of everyone. He also thanked his fellow Commissioners for their support, and advised he looked forward to serving with them in the future.
8. GENERAL MANAGER’S REPORT
   • Christopher J. Garner, General Manager

President Shannon called on Mr. Garner for his report.

LONG BEACH WATER DEPARTMENT PARTICIPATION IN HOLIDAY PARADES

Mr. Garner reported the department would be participating in the following parades in Long Beach:

• November 10th – Veterans Parade
• December 1st – Belmont Shore Christmas Parade
• December 8th – Daisy Avenue Christmas Tree Lane Parade

INTRODUCTION OF NEW MANAGER LOURDES VARGAS

Mr. Garner called on Mr. Tseng to introduce the new manager in Operations.

Mr. Tseng introduced Ms. Lourdes Vargas, new Director of Field Operations. He provided background information regarding her previous employment. He then called on Ms. Vargas to make a few remarks.

Ms. Vargas introduced herself and provided information regarding her education and employment background.

NOTE: AGENDA ITEM 5. WAS TAKEN OUT OF ORDER AT THIS POINT IN THE MEETING

5. REPORT FROM DANIEL LAFFERTY. – ASSISTANT DEPUTY DIRECTOR OF PUBLIC WORKS, COUNTY OF LOS ANGELES

Mr. Garner introduced Mr. Daniel Lafferty who he advised would be providing the report in place of Mr. Pestrella who was unable to attend due to an emergency.

Mr. Lafferty noted the scope and objectives of the Proposed Measure W – Safe Clean Water Parcel Tax for the County of Los Angeles, scheduled on the November 2018 ballot.

Commissioner Levine inquired if this ballot measure required a 2/3 vote. Mr. Lafferty responded yes.

General discussion then took place between the Commissioners and Mr. Lafferty regarding the ballot measure.

President Shannon called for any public comment. Hearing none he moved on in the agenda.
9. CONSENT CALENDAR:
a. Approval of Transfer of Funds by Journal Entry Dated September 20, 2018

President Shannon called for a motion regarding the Consent Calendar.

Commissioner Levine made a motion to approve the Consent Calendar. Commissioner Cordero seconded the motion.

President Shannon noted his concerns regarding the General Liability – City’s Insurance Fund item (Transfer #257) under the Water Fund and Sewer Fund. He noted the annual budget for this item under the Water Fund was $603,524. He also noted under the Sewer Fund the annual budget was $123,613. He commented that this was a lot of money. He mentioned that he had been advised that whenever the Long Beach Water Department was sued on a matter of some significance (he mentioned the Diana Lejins lawsuit) the Water Department is billed directly. He advised the General Liability charges would not include that type of case.

He requested that staff contact the Risk Manager to provide a report to the Board on how many current general liability lawsuits are pending for the Water Department, (not Workers Compensation), for both Water and Sewer. He also asked that the Risk Manager report on how much money in the past fiscal year did the City settle for with regards to any matter involving the Water Department - by way of settlement or judgment. He advised he feels these charges are disproportionate to the exposure the Water Department brings to the City.

Mr. Garner responded that the Risk Manager had originally been scheduled to make a presentation at this Board meeting regarding another topic but noted that staff had postponed that report to a future meeting (date has not yet been determined). He advised staff would schedule his report for a future meeting, and could also include this inquiry.

President Shannon called for any other comments regarding this item.

Mr. Anthony noted that President Shannon had mentioned the Lejins lawsuit being against LBWD. He clarified that the defendant in that case was actually the City of Long Beach, and settled out of the General Fund.

President Shannon noted he was using that case as an example; and advised he understood that the Attorney could reference a number of lawsuits. President Shannon clarified that he earlier called them lawsuits of significance, that weren’t normal tort liability; third-party damages type lawsuits, such as contracts, or a charter provision. He advised that it is his understanding that the City bills the Water Department directly, and does not cover this type of charges.

Mr. Anthony responded he believes that is correct. He noted he would work with the General Manager & Risk Management to report back to the Board per this request.

President Shannon called for any further Commissioner comments.
President Shannon called for public comment. Hearing none he called for the vote. The motion carried unanimously.

10. **UNFINISHED BUSINESS: THE FOLLOWING ITEM WAS HELD OVER FROM THE JULY 26, 2018 REGULAR MEETING:**

**ADOPT LONG BEACH WATER DEPARTMENT EDUCATION MASTER PLAN**
- Lana Haddad, Director of Government and Public Affairs

President Shannon introduced agenda item 10. and called on Ms. Haddad for a staff report.

Ms. Haddad reviewed the following points during the presentation:

- Purposed of the Education Master Plan
- Goal of an Education Program
- Research
- Evaluation
- Strategies
  - Implementation
  - Education

Ms. Haddad outlined the backgrounds for the members of the evaluation panel who had reviewed the plan. She also reviewed the evaluation questions that were used by the panel. She also shared the feedback that was received from the evaluation panel members.

She then reviewed the next steps for the plan:

- Proposed budget (FY 18/19) - $165,000
- Issuance of Educational Services RFP
  - RFP to be reissued upon direction of the Board

President Shannon called for any public comment regarding agenda item 10. Hearing none he called for any Commissioner comments.

Commissioner Levine requested clarification regarding the cost of the plan.

Ms. Haddad advised there was no cost to adopt the plan, but when the RFP respondent was selected, the item would be brought back to the Board for approval, at which time costs would be discussed with the Board.

Commissioner Cordero thanked Ms. Haddad for the extremely comprehensive report, and noted use of partnerships.
Commissioner Saltzgaver advised he completely concurred with Commissioner Cordero’s comments. He inquired that once the RFP process was completed how would the plan be communicated to the provider – he asked if Ms. Haddad or Mr. Falagan would handle that.

Ms. Haddad advised the Education Plan would be part of the RFP packet for consideration by vendors. She noted that once the vendor was selected, she would oversee that program.

Commissioner Martinez thanked Ms. Haddad for her development of a well-defined Master Plan. He complimented staff and the Discovery Cube for their work in the past on the education component of the conservation message.

Commissioner Martinez inquired about past budget amounts for the education program.

Ms. Haddad advised the amount was holding steady as previously budgeted.

Commissioner Martinez asked if this was an adequate amount to deliver the entire program as mentioned.

Ms. Haddad responded.

At this point in the meeting Ms. Haddad recognized staff from the Water Department’s two current education partners – Grades of Green and Discovery Cube.

Commissioner Martinez inquired about the timeline for implementation of the Education Master Plan.

Ms. Haddad noted there would be about a six-month process before the RFP was awarded.

Commissioner Martinez requested that staff return to the Board for review and input before the RFP is posted to the public.

Commissioner Cordero inquired if parochial schools participated in the education program.

Ms. Haddad responded yes.

President Shannon inquired about the process for contacting schools to participate in the program.

Ms. Haddad advised this process was handled by the vendors.

President Shannon inquired how many parochial schools had participated in the education program.
Ms. Haddad advised she did not have that number available at the time of her report. She advised staff would have to report back to the Board on this request.

The representative from Grades of Green who was in attendance, advised that three parochial schools had participated in their recent pilot program previously authorized by the Board.

Commissioner Levine inquired if the educational program included a visit to the aquarium for the students.

Ms. Haddad advised that the previous program did not contain a visit to the aquarium.

President Shannon called for any further Commissioner comments. Hearing none he called for a motion.

Commissioner Saltzgaver made a motion to adopt the Long Beach Water Department Education Master Plan. Commissioner Martinez seconded the motion.

The motion carried unanimously.

Mr. Garner thanked Ms. Haddad for the extra effort she had put in to complete this plan.

11. **ADOPT RESOLUTION NO. WD-1400 NAMING CHANDLER’S SAND AND GRAVEL, LLC (CHANDLER’S) AS A SOLE SOURCE VENDOR TO PROVIDE A SITE FOR DISPOSAL OF CONSTRUCTION MATERIALS, AND AUTHORIZE THE GENERAL MANAGER TO ENTER INTO A SOLE SOURCE CONTRACT WITH CHANDLER’S TO PROVIDE A SITE FOR DISPOSAL OF CONSTRUCTION MATERIALS, NOT TO EXCEED $400,000 FOR A ONE-YEAR PERIOD WITH OPTION TO EXTEND FOR TWO (2) ADDITIONAL ONE-YEAR PERIODS, SUBJECT TO A MAXIMUM INCREASE OF 5% FOR EACH RENEWAL PERIOD**

- Tai Tseng, Assistant General Manager - Operations

President Shannon introduced agenda item 11. and called on Mr. Tseng for a staff report.

Mr. Tseng explained the background for the need for this sole source contract.

President Shannon called for any Commissioner comments. Hearing none he called for a motion.

Commissioner Levine made a motion to adopt Resolution No. WD-1400 naming Chandler’s Sand and Gravel, LLC (Chandler’s) as a sole source vendor to provide a site for disposal of construction materials, and authorize the General Manager to enter into a Sole Source Contract with Chandler’s to provide a site for disposal of construction materials, not to exceed $400,000 for a one-year period with option to extend for two (2) additional one-year periods, subject to a maximum increase of 5% for each renewal period. Commissioner Cordero seconded the motion.
President Shannon called for any public comment. Hearing none he called for a Roll Call vote.

A Roll Call vote was taken as follows:

AYES: COMMISSIONERS: 
GLORIA CORDERO; 
HARRY SALTZGAVER; 
FRANK MARTINEZ 
ART LEVINE; ROBERT SHANNON

NOES: COMMISSIONERS: NONE

ABSENT: COMMISSIONERS: NONE

ABSTAIN: COMMISSIONERS: NONE

The motion carried unanimously.

12. ADOPT SPECIFICATIONS WD-27-18 AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN AGREEMENT WITH ALLIED UNIVERSAL SECURITY SERVICES TO PROVIDE SECURITY SERVICES TO THE LONG BEACH WATER DEPARTMENT (LBWD) IN AN AMOUNT NOT TO EXCEED $366,166.68 FOR A ONE-YEAR PERIOD, AND TO EXERCISE THE OPTIONS TO RENEW TWO ADDITIONAL ONE-YEAR PERIODS. A 5% INCREASE WILL BE IMPOSED FOR EACH RENEWAL YEAR, WHICH WOULD BRING THE FINAL YEAR OF CONTRACT SERVICES TO $403,513.67

- B. Anatole Falagan, Assistant General Manager

President Shannon introduced agenda item 11.

President Shannon asked Mr. Falagan if the department was bringing in a new security firm.

Mr. Garner responded no, and noted the proposed contract was with the current firm.

President Shannon then inquired if the discussion regarding the contract would be including discussion regarding security matters that should not be heard in open session.

Mr. Falagan advised he did not believe those types of issues would be discussed during the staff report.

Mr. Falagan advised that Mr. Lopez would provide the staff report.

Mr. Lopez provided background regarding the security services for the Water Department and the information on the recent bid process and contract details.

President Shannon called for any public comment. Hearing none he called for any Commissioner comments.
Commissioner Levine commented on the use of security cameras for Water Department properties.

President Shannon advised that this type of security item could not be discussed in open session due to the nature of the inquiry.

President Shannon suggested postponing the item, and scheduling a closed session to discuss the security matters that could not be discussed in open session.

Mr. Anthony advised the Board could postpone the item; but noted they could also proceed with an approval of the contract, and then call for a closed session to answer operational security questions.

Commissioner Saltzgaver advised he wanted to approve the contract, and then conduct a separate closed session at another meeting.

At this point in the meeting, President Shannon inquired who had been on the review panel for the bid.

Mr. Lopez advised that Mr. Jake Hester from Engineering and himself, and noted they had also conferred with Mr. Bott and Mr. Falagan regarding the bids.

President Shannon inquired if the department was expanding the security services.

Mr. Lopez advised that it was going to be business as usual, but noted he would not be able to elaborate due to the nature of the security items he would be discussing. He advised this discussion should take place in a closed session.

President Shannon inquired if the cost for the requested contract was like the past security contract.

Mr. Lopez responded it was relatively similar to the current expired contract.

Commissioner Levine requested summary information related to the duties of Allied. President Shannon advised this type of information needed to be discussed in closed session.

Commissioner Cordero inquired how long Allied had provided security services to the Water Department.

Mr. Lopez advised they had provided security services to the department since 2015.

Commissioner Cordero commended Allied staff on their previous security service to the department.
Commissioner Cordero noted she agreed with Commissioner Saltzgaver that the item should be voted on; but that a closed session should be scheduled to discuss security issues.

President Shannon advised he had no problems with the current security firm, but advised that he felt the Board should be informed on the specifics related to the security services provided to the department. He advised he would like to hold off on the approval and have staff provide a report in closed session on what type of security services are being provided to the department.

Commissioner Martinez advised he concurred with President Shannon’s comments.

Mr. Anthony advised the correct procedure would be for someone to make a motion to hold the item over to a future meeting.

President Shannon responded correct; and then stated that Mr. Anthony would prepare a closed session item, with the understanding that the Board would consider approval of the contract (if appropriate) after the closed session.

Mr. Anthony advised the closed session regarding security could be held at the beginning of the Board meeting; and then the contract item could be considered for approval in open session later in the agenda.

Commissioner Saltzgaver provided further comments regarding the security contract. He also commented on the Port of Long Beach receiving a $4.5 million grant from Homeland Security in the previous week. He inquired doesn’t this security contract fall under Homeland Security, and could the department seek grant funding from Homeland Security.

Mr. Lopez responded that the Water Department does not currently receive grant funding from Homeland Security for security services.

Commissioner Saltzgaver inquired if the department could apply.

Mr. Lopez advised the department could work with the City’s Emergency Services group to inquire about this type of grant request.

Commissioner Saltzgaver expressed concern that other departments were receiving large grants for security, and the Water Department is receiving none.

Mr. Falagan advised that staff could investigate if this type of funding would be available for the department. He provided historical background regarding previous Homeland Security grants, and noted they had been specifically designated for Police and Fire use. He suggested that the recent grant received by the Port may have been associated with their Policing and Fire support for the Port complex.
Commissioner Levine advised he agreed with President Shannon on laying this item over to a future meeting after a closed session had been held regarding security issues.

Commissioner Saltzgaver made a motion to lay agenda item 12. – security contract, over to the next Board meeting after a closed session had been held regarding security issues. Commissioner Cordero seconded the motion.

Commissioner Martinez inquired if any grants had been sought regarding security funding.

Mr. Falagan responded yes, and provided background information regarding a grant package that had been submitted for these types of funds. He advised the funds ended up being awarded to Police and Fire.

Commissioner Martinez commented on a roundtable discussion he had been involved with at an AMWA conference he had attended in Washington, DC. He noted that Secretary Pruitt had particularly mentioned Homeland Security funding was being made available for utilities, particularly for major metropolitan water facilities. He noted this had been included in the 2017 budget, but was not aware of the status of this type of funding in the current budget.

Mr. Falagan advised that staff could look into this type of potential funding.

President Shannon called for any public comment. He then called for any further Commissioner comments. Hearing none, he called for the vote. The motion carried unanimously.

NOTE: AT THIS POINT IN THE MEETING PRESIDENT SHANNON ADVISED THAT AGENDA ITEM 15. – STATE CONSERVATION MANDATE UPDATE, WAS BEING HELD OVER TO THE NEXT BOARD MEETING

13. LONG BEACH WATER DEPARTMENT SCADA REPORT
   • Sean Crumby, Deputy General Manager - Engineering

President Shannon introduced agenda item 13. and called on Mr. Crumby for a staff report.

Note: Commissioner Saltzgaver and President Shannon left the meeting at 10:16 A.M.
Note: Commissioner Saltzgaver and President Shannon returned to the meeting at 10:18 A.M.

Mr. Crumby provided opening remarks regarding SCADA and called on Mr. Jake Hester for the presentation. He provided a verbal report regarding the department’s Supervisory Control And Date Acquisition (SCADA) program at the request of the Board.
Commissioner Levine inquired about the department’s SCADA plan.

Mr. Crumby advised the department has a Master SCADA Plan; and the Phase I (Pilot Study) was just being completed.

Commissioner Levine inquired about the budget for the program.

Mr. Crumby advised it was $10 million dollars.

Mr. Rendon provided comments regarding the construction phase for the pilot study; and noted the cost for that had been $1 million dollars. He also outlined the costs for Construction Inspection and design in the amount of $750,000 for the pilot project. He then advised the system would be turned over to Operations to implement.

President Shannon called for any further Commissioner comments.

Commissioner Martinez inquired who was handling the commissioning.

Mr. Rendon advised this work was being done with in-house staff in conjunction with the contractor, CSI and the consultant Montgomery Watson.

President Shannon called for any public comment. Hearing none he moved on in the agenda.

14. LEAD TESTING IN SCHOOLS REPORT

- Tai Tseng, Assistant General Manager - Operations

President Shannon introduced agenda item 14. and called on Mr. Tseng for a staff report.

Mr. Tseng advised the department was in the second year of the testing program to check for lead in school water.

He called on Ms. Cynthia Andrews-Tate who provided an update on the testing program and results which included the following:

- History of Long Beach Water Department (LBWD) LCR Monitoring results
- AB 746 Mandate
- Long Beach Unified School District map
- AB 746 schools versus LBWD responsibilities
- Reporting responsibilities under AB 746
- Corrective actions under AB 746
- Lead in school fact sheet

President Shannon called for any Commissioner comments.
There was general discussion regarding who is responsible for contacting the schools; who is responsible for flushing at schools; timeframe for remediation and timeframe for re-testing.

Mr. Garner commended LBUSD staff who he noted were very responsive to this testing. He noted they worked very well with Ms. Andrews-Tate in completion of the mandated testing.

President Shannon called for any further Commissioner comments. He then called for any public comment. Hearing none he thanked Ms. Andrews-Tate for the report.

15. **STATE CONSERVATION MANDATE UPDATE**

This item was held over to the next Board meeting.

16. **REPORT OF THE METROPOLITAN WATER DISTRICT (MWD) BOARD MEETING ON SEPTEMBER 11, 2018**

- Gloria Cordero, Metropolitan Water District Director

President Shannon introduced agenda item 16 and called on Director Cordero.

Director Cordero reported on the following:

- Update on MWD’s pipeline relining project that took place in both the 5th and 7th council districts. Read an excerpt from a complimentary letter from a resident in the 7th district regarding the project’s impact in their neighborhood; and also spoke about an e-mail from a 5th district resident

  She thanked LBWD staff for also working closely with MWD on this project.

- Reported MWD elections would be held in October for the MWD officers. She advised that there are three Directors who are in the running for the Chair position.

- Thanked Ms. Haddad for her assistance in organizing the upcoming MWD Inspection trip to the Delta. She reported that Supervisor Janice Hahn has agreed to attend that trip

President Shannon called for any public comment. Hearing none he moved on in the agenda.

17. **CONSIDER STANDING COMMITTEE REFERRALS**

- Robert Shannon, President, Board of Water Commissioners

President Shannon called for any committee referrals.
Commissioner Levine commented on a previous discussion regarding sustainability and that that item be referred to the Communications Standing Committee for review. He noted the agenda item for that meeting should be regarding the role of LBWD and sustainability.

Mr. Falagan requested that Commissioner Levine work with Ms. Fox in finding a mutual agreeable date for this meeting to take place.

Mr. Anthony reminded the Board that per the guidelines for Standing Committee items there must be a referral from the Board to the Standing Committee on agenda topics.

Commissioner Saltzgaver made a motion to refer the issue of the LBWD role in sustainability to the Communications Standing Committee. Commissioner Martinez seconded the motion.

President Shannon called for any public comment. Hearing none he called for the vote. The motion carried unanimously.

President Shannon reported that the Ad Hoc Committee regarding the Board Policy Handbook was currently reviewing the specific policies put in place by previous Board members. He advised that in the opinion of his fellow Committee member, Commissioner Saltzgaver, and himself was that many of these policies needed to be omitted or revised. He asked President-Elect Cordero that this Board Policy Handbook Ad Hoc Committee remain in existence during her Presidency. He advised at a later date the Committee would then bring back their suggestions regarding the policies, and the entire handbook to the full Board for review and consideration.

President Elect Cordero agreed to extend the existence of the Ad Hoc Handbook Committee.

18. NEW BUSINESS

President Shannon called for any new business.

Commissioner Saltzgaver asked Ms. Haddad to update the Board on the status of the bill regarding voluntary tax.

Ms. Haddad advised this was the Voluntary Remittance Tax (or water tax). She provided a status report on this item.

Commissioner Levine thanked President Shannon for his outstanding leadership as Commission president.

Mr. Garner reported to the Board that a tour of the oil islands and the SERFF project had been set for LBWD management staff on October 2\textsuperscript{nd}. He extended an invitation to the Commissioners to join the tour if their schedules allowed. He noted if this date did not work, staff could work to set up a future tour of these facilities for the Board.
19. ADJOURNMENT

There being no further business to come before the Board, President Shannon adjourned the regular meeting at 10:42 a.m. to the next regular meeting for the Water Commission to be held October 4, 2018 at 9:00 a.m., in the Board Room of the Administration Building, 1800 E. Wardlow Road, in Long Beach, California.

____________________
Art Levine, Acting Secretary

Attest:

____________________
Gloria Cordero, President
The Board of Water Commissioners of the City of Long Beach met in the Board Room at the Administration Building, 1800 E. Wardlow Road, Long Beach, California, on October 4, 2018.

The meeting was called to order at 9:00 a.m. by President Shannon.

<table>
<thead>
<tr>
<th>PRESENT:</th>
<th>Dynna Long</th>
<th>Office Administrator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert Shannon</td>
<td>Robert Verceles</td>
<td>Manager, Engineering</td>
</tr>
<tr>
<td>Gloria Cordero</td>
<td>Abelardo Rendon</td>
<td>Manager, Engineering</td>
</tr>
<tr>
<td>Harry Saltzgaver</td>
<td>Kaylee Weatherly</td>
<td>Public Information</td>
</tr>
<tr>
<td>Arthur Levine</td>
<td></td>
<td>Officer</td>
</tr>
<tr>
<td>Richard Anthony</td>
<td>Ken Bott</td>
<td>Manager, Administration</td>
</tr>
<tr>
<td>Christopher J. Garner</td>
<td>Patrizia Hall</td>
<td>Manager, Engineering</td>
</tr>
<tr>
<td>Sandra L. Fox</td>
<td>Dean Wang</td>
<td>Conservation Specialist</td>
</tr>
<tr>
<td>Lisa Squires</td>
<td>Ernie Ankele</td>
<td>Business Systems</td>
</tr>
<tr>
<td>Lana Haddad</td>
<td></td>
<td>Specialist III</td>
</tr>
<tr>
<td>Paul T. Fujita</td>
<td>Daniel Gutierrez</td>
<td>Administrative Analyst I</td>
</tr>
<tr>
<td>Tai Tseng</td>
<td>Jillian Croci</td>
<td>Assistant</td>
</tr>
</tbody>
</table>

| ABSENT:                      |                           |                      |
| Frank Martinez               | Commissioner (EXCUSED)    |                      |
| B. Anatole Falagan           | Assistant General Manager |                      |
| Sean Crumby                  | Deputy General Manager – Engineering | |
| Lourdes Vargas               | Director of Water, Sewer & Field Operations | |
| Jennifer Rojas               | Superintendent Sewer Operations | |
| Robert Katzenberger          | Superintendent Water Services | |
| Mike Salas                   | Superintendent of Water Construction | |
| David Lopez                  | Manager, Emergency Preparedness | |
| Liza Gutierrez               | Manager, Support Services | |
| Cynthia Andrews-Tate         | Water Laboratory Manager | |
| Monya Hawkins                | Manager, Information Services | |
| Doug McKee                   | Treatment Operations Superintendent | |
| Greg Sorensen                | Manager of Budget and Rates | |
| Chris Pincherli              | Construction Services Officer | |

1. **PLEDGE OF ALLEGIANCE**

Dynna Long, led the Board and audience in the Pledge of Allegiance.
At this point in the meeting President Cordero made opening remarks regarding the beginning of the new Fiscal Year.

2. PUBLIC COMMENT

President Cordero opened the public comment period.

As there was no public comment, the public comment period was closed.

3. APPROVAL OF MINUTES – JULY 26, 2018; AUGUST 16, 2018 & AUGUST 29, 2018 WILLOW SPRINGS PARK TOUR

President Cordero called for a motion to approve the three sets of minutes.

Commissioner Shannon made a motion to approve the minutes of July 26, 2018; August 16, 2018 an August 29, 2018 Willow Springs Park Tour. Commissioner Saltzgaver seconded the motion.

President Cordero called for any Commission comments.

Commissioner Levine advised he would abstain from the vote, as he had not been at the meeting of July 26, 2018.

President Cordero then called for any public comment. Hearing none she called for the vote.

The motion carried with a 3 yes, 1 abstention, 1 absent vote.

4. PRESIDENT’S REPORT
   • Gloria Cordero, President, Board of Water Commissioners

   President Cordero appointed Commissioner Levine as the Acting Secretary for the October 4, 2018 Board meeting due to Commissioner Martinez’s absence.

   President Cordero made opening comments regarding her term as President. She thanked her fellow Commissioners for their anticipated support in the coming year. She also advised she looked forward to creating her own vision for the new year with the support of her fellow Commissioners.

   She advised she saw her role as being able to continue with the plans previously set by Board presidents. She advised that she hoped the Board and staff could raise the visibility of the value of water, and make everyone aware of the limited supply of this natural resource. She noted that Long Beach is already well known for its conservation efforts and a leader in the water industry due to the Board and staff efforts. She thanked the staff for their dedication and good work on behalf of the department.
5. GENERAL MANAGER’S REPORT  
   • Christopher J. Garner, General Manager

   President Cordero called on Mr. Garner for his report.

   OCTOBER 25, 2018 BOARD MEETING AGENDA SCHEDULE

   Mr. Garner reminded the Board to allow for at least two hours for the October 25, 2018 Board meeting due to a closed session on that day, and several reports that were held over from the previous meeting.

   QUARTERLY CHANGE ORDER REPORT

   Mr. Garner reminded the Board that a copy of the quarterly change order report had been included in their cubby folders.

   TOUR OF OIL ISLANDS AND SERFF PLANT

   He reported that a successful tour of the oil islands and the SERFF Plant had been held for the management staff.

   There was general discussion regarding the status and future of the oil islands directed by Mr. Garner.

   At this point in the meeting Commissioner Shannon asked Mr. Garner when the Board could be expected to receive the presentation from the Risk Manager regarding his previously requested report regarding liability insurance costs.

   Mr. Garner advised this report had been postponed due to busy agenda schedules, but was still pending.

6. CONSENT CALENDAR:
   a. Approval of Transfer of Funds by Journal Entry Dated September 20, 2018
   b. Approve Retirement Order No. RO-6152 for items that have become obsolete or unrepairable during the current year, and authorize removal of these items from the Department’s records. These items will not be sold at auction.
   c. Approve Retirement Order No. RO-6153 for items that have become obsolete and/or unrepairable during the current year, and authorize removal of these items from the Fixed Asset Record, and sold at auction.
   d. Approve Retirement Order No. RO-6154 for items that have become obsolete or unrepairable during the current year, and authorize removal of these items from the Department’s records. These items will not be sold at auction.

   President Cordero announced agenda item 6. – Consent Calendar and asked if Commissioners had any questions or comments regarding this agenda item.
President Shannon inquired about item 6a. – Fund Transfers – item #325 – Professional Legal Services to Human Resources Department. He requested that a staff member explain this expenditure.

Mr. Fujita advised these charges were to cover expenses incurred by outside legal counsel for meet and confer meetings that were held related to the proposed Charter amendment/department consolidation item.

Mr. Anthony made comments regarding the contract with the outside counsel. Mr. Fujita confirmed that the City Attorney’s office had reviewed/certified the invoices related to these charges.

Commissioner Shannon also commented on Journal Voucher item #340 and requested an explanation for the $.19 charge.

Mr. Fujita explained the historical background on these charges. He advised the City is still attempting to recoup some of the lost monies related to the Lehman case, and the noted charge is the Water Department portion of these charges.

Commissioner Saltzgaver made a motion to approve the Consent Calendar. Commissioner Shannon seconded the motion.

President Cordero called for any public comment. Hearing none she called for the vote.

The motion carried with a 4 yes, 1 absent vote.

6a. Approval of Transfer of Funds by Journal Entry Dated September 20, 2018

A communication was presented to the Board from Paul Fujita, which is on file at the Long Beach Water Department.

6b. Approve Retirement Order No. RO-6152 for items that have become obsolete or unrepairable during the current year, and authorize removal of these items from the Department’s records. These items will not be sold at auction.

A communication was presented to the Board from Paul Fujita, which is on file at the Long Beach Water Department.

6c. Approve Retirement Order No. RO-6153 for items that have become obsolete and/or unrepairable during the current year, and authorize removal of these items from the Fixed Asset Record, and sold at auction.

A communication was presented to the Board from Tai Tseng, which is on file at the Long Beach Water Department.
6d. Approve Retirement Order No. RO-6154 for items that have become obsolete or unrepairable during the current year, and authorize removal of these items from the Department’s records. These items will not be sold at auction.

A communication was presented to the Board from Tai Tseng, which is on file at the Long Beach Water Department.

7. AUTHORIZE THE GENERAL MANAGER TO EXECUTE A THREE (3) MONTH REVOCABLE FACILITY USE PERMIT WITH SULLY-MILLER CONTRACTING CO., WITH AN OPTION TO EXTEND THE TERM TWO (2) TIMES FOR A PERIOD OF THREE (3) MONTHS EACH, AT LONG BEACH WATER DEPARTMENT-OWNED PROPERTY AT ST. LOUIS AVENUE AND 32ND STREET, FOR STAGING VEHICLES, EQUIPMENT AND MATERIALS, NECESSARY FOR PAVING SERVICES PROVIDED TO THE LONG BEACH WATER DEPARTMENT (LBWD) AND CITY

- B. Anatole Falagan, Assistant General Manager

President Cordero introduced agenda item 7. and called on Mr. Bott for a staff report.

Mr. Bott provided background information regarding the facility use permit request.

President Cordero called for any Commissioner comments.

Commissioner Levine commented on the status of the Boeing property market value that was discussed at the council meeting on Tuesday, October 2, 2018.

Mr. Garner commented about this property; noting that the Long Beach Water Department has adjacent property next to the Boeing parcel that was discussed by the Council. He noted that the Water Department was hoping that when that property is sold that the Water Department might possibly receive a right-of-way to drill two water wells in that area.

Mr. Bott added that this type of facility use permit would generate revenue for the Water Department, at about $2,600 per month.

President Cordero inquired if the department markets these types of properties.

Mr. Bott advised that since Boeing had left in 2016, there had been ongoing short-term uses by Long Beach Transit and Mercedes Benz at this site, so there had been no need to market the property.

Commissioner Shannon made a motion to authorize the General Manager to execute a three (3) month Revocable Facility Use Permit with Sully-Miller Contracting Co., with an option to extend the term two (2) times for a period of three (3) months each, at Long Beach Water Department-owned property at St. Louis Avenue and 32nd Street, for staging vehicles, equipment and materials, necessary for paving services provided to the Long Beach Water Department (LBWD) and City. Commissioner Saltzgaver seconded the motion.
President Cordero called for any public comment. Hearing none she called for the vote. The motion carried with a 4 yes, 1 absent vote.

8. **AUTHORIZATION TO ATTEND AND SPONSOR THE LONG BEACH OPERA’S 40TH ANNIVERSARY GALA AT THE SCOTTISH RITE EVENT CENTER IN LONG BEACH, CALIFORNIA, NOVEMBER 3, 2018 (COMMUNITY OUTREACH EVENT)**
   - Christopher J. Garner, General Manager

President Cordero introduced agenda item 8. and called on Mr. Garner for a staff report.

Mr. Garner provided background on the sponsorship request.

Commissioner Shannon reminded his fellow Commissioners that consistent with his previous position he does not take into consideration those who might be recognized at these events when he makes his decision on whether to support the request. He commented on the lack of a water nexus regarding this sponsorship request; and advised he would be opposing this request.

Commissioner Saltzgaver noted he agreed with Commissioner Shannon’s decision and then provided a history regarding past event sponsorships. He noted the value in having the department’s name in the public eye and advised this continues to be very important in his opinion.

Commissioner Saltzgaver recommended that perhaps two tickets be purchased instead of sponsoring the event.

Commissioner Shannon advised he did not feel that a limit needed to be set on how many tickets would be purchased.

Mr. Anthony advised that technically a maximum amount of authority must be established for the Board’s action on items of this nature.

Commissioner Shannon inquired if any Commissioners planned to attend the event. A poll was taken amongst the Commissioners.

Commissioner Shannon recommended setting a maximum of $1,200 to cover tickets for any Commissioners interested in attending the event.

Commissioner Saltzgaver made a motion to consider spending up to a maximum of $1,200 for tickets for those Commissioners interested in attending the event. Commissioner Shannon seconded the motion.

Commissioner Levine expressed concern regarding the expectation by Long Beach Opera in receiving a sponsorship.

Both Commissioner Saltzgaver and President Cordero responded to his concerns.
President Cordero called for any public comment. Hearing none she called for the vote. The motion carried with a 4 yes, 1 absent vote.

9. GOVERNMENT & PUBLIC AFFAIRS REPORT
   • Lana J. Haddad, Director of Government and Public Affairs

President Cordero introduced agenda item 9. and called on Ms. Haddad for her report.

Ms. Haddad reported on the following:

• Ms. Haddad reported that staff had invited both state and federal consultants to the November 15th Board meeting to provide an election summary report to the Board, and a legislative look ahead at the upcoming year.
• She advised that the website redesign update would be coming to the Board on October 25th.

State Legislative Summary:
• Ms. Haddad reported that over the two-year session (2017-2018) over 5600 (5617) bills were introduced in the Regular Session; she noted however, that just under half completed the legislative process (2552). In 2018, 900 bills completed the legislative process, about 90 of those focused on water issues.
• Ms. Haddad noted that SB 998 was signed by the governor; this bill extends the time water agencies need to wait prior to termination for non-payment, and precludes shut off if a customer meets a number of eligibility criteria. The bill also limits reconnection fees for low income customers and adds an enforcement role for the AG.

She advised concerns around the cost-shifting implications and resultant Prop 2018 challenges of this bill remain. She reported that staff would keep the Board apprised of any further developments. She advised that Governor Brown also took action on the Small System Water Authority Act of 2018, and vetoed AB 2050.

• In a related note, she reported that Speaker Rendon had assigned two Assemblymembers, Misters Flores and Garcia to work on a comprehensive clean and affordable water package based on a voluntary remittance approach. The water industry anticipates that a version of the small system water authority act would be part of that approach, and are ready to work with the Legislature on finding workable solutions that address both governance and financing.

She reported on the following new mandates for water agencies which included:

• SB 606-AB 1668 – the new statewide water conservation bills were passed and signed, and the last requirements in the legislation will not take effect until 2027.
• SB 1422 address micro plastics in drinking water, and requires the SWRCB to adopt a definition of micro plastics in drinking water, and by July 2021 a standard methodology needs to be established which may be used in testing along with requirements for four years of reporting of micro plastics in drinking water.
Ms. Haddad noted two additional bills of interest:

- SB 100 was signed by Governor Brown, after stalling at the end of year one of the regular session. SB 100 requires electric utilities to meet an increased renewable portfolio standard of 60 percent by Dec 31, 2030 up from 50 percent. Additionally, there are interim requirements. It also adopts a new policy that eligible renewable and zero carbon resources supply 100 percent of electricity by 2045 – and by that, the state doesn’t mean a procurement obligation, but rather for utilities to begin a process for a plan to reach 100 percent renewables. The bill was hailed as “aspirational” by its proponents.
- Finally, the Governor signed the California net neutrality bill, reinstating Obama-era guidelines on broadband carriers that were repealed by the FCC, effective July 2018.

**Federal Legislative Developments:**

- Ms. Haddad reported that leaders of the House Transportation and Infrastructure Committee, and the Senate Environment and Public Works Committee announced an agreement on the Water Resources Development Act (WRDA) 2018. The legislation provided policy guidance and project authorizations for the Corps, as well as incorporating several other bills regarding hydropower, the drinking water state revolving fund, and the Water Infrastructure Finance and Innovation Act. The legislation passed the House and is waiting to be considered in the Senate. The Senate will be in session in October and could vote on it before leaving to campaign for the mid-term elections.
- She advised that the Federal Communication Commission (FCC) took action to finalize an order to streamline the deployment of 5G wireless infrastructure. The order greatly limits the role of local governments in the siting of the infrastructure necessary to deploy 5G. Prior to the FCC decision this week, over 100 local governments from 22 states filed comments in opposition to the proposed ruling during the comment period. National organizations such as the U.S. Conference of Mayors, the National League of Cities, and the National Association all expressed their opposition to the FCC’s decision. It is expected that this order will be changed in the courts.

President Cordero called for any Commissioner comments.

Commissioner Shannon inquired what the department had done in acknowledging the passing of Mr. Swedlund of Carpi Clay.

Ms. Haddad advised that staff had contacted staff at Carpi Clay to inquire about addresses for his family. Ms. Fox advised that certificates acknowledging the Board closing their meeting of September 6, 2018 in Mr. Swedlund’s memory, along with sympathy cards from the Board had been sent to Carpi Clay (one for the agency staff members, and one that had been requested to be forwarded to his family).
Ms. Haddad advised she would again reach out to Carpi Clay staff again regarding this request.

The entire Board requested that this request be made a priority.

Commissioner Saltzgaver commented on the new conservation bill, and inquired if this affected the impact of the 20x20 guidelines. Ms. Haddad responded that this bill was an expansion of those guidelines. Commissioner Saltzgaver requested that once the new guidelines were established that staff report back to the Board.

President Cordero requested that Ms. Haddad advise the Board how they might increase their visibility and activities in Sacramento and Washington, DC.

Ms. Haddad advised in response to President Cordero’s inquiry regarding timing for increasing Board presence in Sacramento and Washington, DC. that the timing of advocacy visits to either the state or the nation’s capitol are strategic decisions, that are contingent on LBWD interests in those arenas. She also noted the California Municipal Utilities Association’s Capitol Day would be forthcoming in February.

President Cordero called for any public comment. Hearing none she moved on in the agenda.

10. CONSIDER STANDING COMMITTEE REFERRALS
   • Gloria Cordero, President, Board of Water Commissioners

   President Cordero called for any committee referrals.

   Commissioner Shannon reported that he and Commissioner Saltzgaver continue to work diligently on the revisions to the Board Policy Handbook. He advised they were currently focusing their attention on about 1/3 of the handbook which covers the adopted policies. He advised they were close to bringing those policies back to the Board for review/approval. He advised that the balance of the handbook items remain for final review/revisions.

   Commissioner Saltzgaver inquired when staff would be ready to review estimate to close data.

   Mr. Sorensen advised staff anticipated having this information available around mid-December.

   Commissioner Levine inquired if a date had yet been set for the Communications Committee to meet to discuss the Long Beach Water Department role in sustainability issues.
President Cordero asked the City Attorney if it was possible for the Communications Committee members to hold an informal meeting with Mr. Falagan to review the sustainability issue, and then come back and have a formal committee meeting.

Mr. Anthony advised yes, but noted that the Board of Water Commissioners had self-imposed the Brown Act for two-person Committees, even though otherwise they would not be subject to it. He advised he did not mind if the President and Mr. Levine wanted to meet with Mr. Falagan, but cautioned if it becomes a pattern it would undercut the point of the committee.

President Cordero advised that the sustainability MOU is something the Communications Committee wants to keep their eye on, so they would like to meet with Anatole to set some ground rules, and establish the role of LBWD with the city’s sustainability goals.

Commissioner Levine commented about Presidents of the Board serving on Committees.

Mr. Anthony advised there was no reason why President’s couldn’t serve on Committees.

11. NEW BUSINESS

President Cordero called for any new business.

Commissioner Saltzgaver made a motion to excuse Commissioner Martinez from the October 4, 2018 Board meeting. Commissioner Levine seconded the motion.

President Cordero called for any public comment. Hearing none she called for the vote. The motion carried with a 4 yes, 1 absent vote.

Mr. Anthony inquired about the need for appointing Committee members with the change in Presidents.

There was discussion regarding the appointment process. It was determined that the Attorney and the President would look at the resolution establishing the committees and follow the process as outlined in that resolution, and bring the appointments back to the Board the first meeting in November.

Commissioner Cordero closed the meeting with the following thought for the day – she reported that girls and women travel approximately 3.7 miles per day collecting water. She advised that typically when they travel these 3.7 miles they carry up to 5 gallons per day.
12. ADJOURNMENT

There being no further business to come before the Board, President Cordero adjourned the regular meeting at 9:43 a.m. to the next special meeting for the Water Commission to be held October 25, 2018 at 9:00 a.m., in the Board Room of the Administration Building, 1800 E. Wardlow Road, in Long Beach, California.

____________________

Art Levine, Acting Secretary

Attest:

____________________

Gloria Cordero, President
ITEM 4.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

ASSISTANT GENERAL MANAGER’S REPORT
Board of Water Commissioners  
November 29, 2018 Board Meeting

Subject:
Adopt Specifications WD-03-19 and authorize the General Manager to execute an agreement with Sully Miller Construction Co. to provide street repair services in an amount not to exceed $3,500,000 for a period of one year, and to exercise the option to renew for two additional one-year periods, subject to a maximum increase of 10% for each renewal period.

Executive Summary:
Bids for Specification WD-03-19 for street repair services were opened on November 7, 2018. Four conforming bids were received and Sully Miller Construction Co. was the lowest responsive bidder.

It is recommended that a contract amount not to exceed $3,500,000 be awarded to Sully Miller Construction Co. for projects and street repairs. The $3,500,000 will be split between Long Beach Water Department (LBWD) and Long Beach Energy Resources (Energy Resources), with $2,500,000 dedicated for LBWD projects and repairs and the additional $1,000,000 to be available for Energy Resources for use on their own street paving projects and repairs at their own cost.

Staff Recommendation:
Adopt Specifications WD-03-19 and authorize the General Manager to execute an agreement with Sully Miller Construction Co. to provide street repair services in an amount not to exceed $3,500,000 for a period of one year and to exercise the option to renew for two additional one-year periods, subject to a maximum increase of 10% for each renewal period.

Fiscal Impact: Funding for up to $2,500,000 for street repair services is included in the FY19 budget. Funds for services requested by Energy Resources would be a net zero impact on LBWD's budget.

Tai J. Tseng  
Assistant General Manager - Operations  
Date 11/16/18

Christopher J. Garner  
General Manager  
Date 11/16/18

Attachment
Bid Results
PROVIDE STREET REPAIR SERVICES TO LBWD
WD-03-19
November 7, 2018

<table>
<thead>
<tr>
<th>RANK</th>
<th>CONTRACTOR</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SULLY MILLER CONSTRUCTION CO.</td>
<td>$167,386.73</td>
</tr>
<tr>
<td>2</td>
<td>PALP INC. dba EXCEL PAVING</td>
<td>$165,233.34</td>
</tr>
<tr>
<td>3</td>
<td>HARDY &amp; HARPER, INC.</td>
<td>$210,992.64</td>
</tr>
<tr>
<td>4</td>
<td>ALL AMERICAN</td>
<td>$304,765.95</td>
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</tbody>
</table>

Method of Weighting:
Small-sized project: weighted 15%
Mid-sized project: weighted 10%
Large project: weighted 75%

Small-sized project - Service Patch
2 pot holes (3x7 and 2x4) AC 4" thick and 3x3 PCC Sidewalk patch.

Sample Mid-sized Project - Main Break
Mill and overlay street block 50' long, 50' wide 6" thick. Includes sewer manhole adjustment.

Sample Large Project - Capitol Improvement Job
Quantities based on actual mainline job and service patches from a typical 2018 project.
Board of Water Commissioners
November 29, 2018 Board Meeting

Subject:
Adopt Specifications WD-28-18 and authorize the General Manager to execute an agreement with South Bay Ford Lincoln Inc., to furnish and deliver Four (4) Service Rigs in an amount not to exceed $777,427.

Executive Summary:
Bids for Specification WD-28-18 to furnish and deliver Four (4) Service Rigs were opened on September 6, 2018. It was determined that the bid submitted by South Bay Ford Lincoln Inc. conforms to all bid document requirements and is the lowest responsive bidder.

This purchase is part of scheduled fleet replacement. It is recommended that a contract amount not to exceed $777,427 be awarded to South Bay Ford Lincoln Inc. for Four (4) Service Rigs.

Staff Recommendation:
Adopt Specifications WD-28-18 and authorize the General Manager to execute an agreement with South Bay Ford Lincoln Inc. to furnish and deliver Four (4) Service Rigs in an amount not to exceed $777,427.

Fiscal Impact: Funding for this purchase was included in the Water fund.

Tai J. Tseng  10/31/18
Assistant General Manager - Operations

Christopher J. Garner  11/1/18
General Manager

Attachment
Bid Results
Furnish and Deliver four (4) Service Rigs
WD-28-18
Bids Opened September 6, 2018

<table>
<thead>
<tr>
<th>RANK</th>
<th>VENDOR</th>
<th>UNIT PRICE*</th>
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<tbody>
<tr>
<td>1</td>
<td>South Bay Ford Lincoln Inc.</td>
<td>$167,360.08</td>
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</table>

*Unit price excludes tax and fees
Board of Water Commissioners
November 29, 2018 Board Meeting

Subject:

Adopt Specifications WD-33-18 to Furnish, Deliver and Install Modular Offices and authorize the General Manager to execute a contract with Modular Building Concepts Inc., in an amount not to exceed $250,000.

Executive Summary:

Bids for specification WD-33-18 to Furnish, Deliver and Install Modular Offices were advertised from September 20, 2018 to October 29, 2018. Three bids were received and all three were deemed to be conforming to specification requirements. Based on the bid results, Modular Building Concepts Inc. is the lowest responsive bidder.

The modular office space will be used by Long Beach Water Department staff during Automated Metering Infrastructure (AMI) installation deployment. After AMI installation, the modular office space can be repurposed for other uses as needed.

Staff Recommendation/Fiscal Impacts

Adopt Specifications WD-33-18 to Furnish, Deliver and Install Modular Offices and authorize the General Manager to execute contract with Modular Building Concepts Inc., in an amount not to exceed $250,000.

Fiscal Impact: Funding for this purchase is included in the LBWD AMI Program capital expenditures.

Tai J. Tseng
Assistant General Manager - Operations

Christopher J. Garner
General Manager

Attachment
WD-33-18
Furnish, Deliver, and Install Modular Office Space
Bids opened on October 29, 2018

<table>
<thead>
<tr>
<th>Bidder:</th>
<th>Price (Tax included)</th>
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<tbody>
<tr>
<td>Design Space Modular Buildings, Inc.</td>
<td>$ 264,953.90</td>
</tr>
<tr>
<td>API</td>
<td>$ 230,532.75</td>
</tr>
<tr>
<td>Modular Building Concepts Inc.</td>
<td>$ 224,466.35</td>
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</tbody>
</table>

Pricing does not include fees and contingency.
Board of Water Commissioners
November 29, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Authorize the General Manager to Execute the First Amendment to Agreement WD-3314 with DRP Engineering, Inc., to increase fees to provide Construction Management and Inspection Services for the S-1 Sewer Lift Station Rehabilitation Project (SC-0275) by $86,240 to an amount not-to-exceed $280,048.

Executive Summary:
In preparation for the construction phase of the project, the Long Beach Water Department entered into a contract with DRP Engineering, Inc. (DRP) on August 16, 2017 to provide construction management and inspection services for the S-1 Sewer Lift Station Rehabilitation Project (SC-0275) (Project) for an amount not-to-exceed $193,808.

After bidding, the Notice to Proceed (start of construction) for the Project was issued on April 24, 2018 with completion date of December 20, 2018. During construction, several unforeseen conditions have been encountered that have increased the number of working hours and cost for construction management services. DRP has received, documented and answered almost triple the anticipated number of requests for information (RFI) from the contractor than were anticipated. Several of the unforeseen conditions include the structural strength of the building and the condition of the existing pumps upon start of the project. Once into construction structural reinforcing of the structure and increased operations of the bypassing for the station were needed and have been accommodated throughout the construction. Considering these factors and the imminent delay to the Project completion, additional funds are needed for the additional services provided by DRP in the amount of $86,240.00 for a new total contract amount not-to-exceed $280,048.00. These additional funds will allow DRP to provide the services to the end of January 2019.

Recommendation/Fiscal Impacts
Authorize the General Manager to Execute the First Amendment to Agreement WD-3314 with DRP Engineering, Inc., to increase fees to provide Construction Management and Inspection Services for the S-1 Sewer Lift Station Rehabilitation Project (SC-0275) by $86,240 to an amount not-to-exceed $280,048.

Fiscal Impact: Funds are included in the FY 18/19 CIP Budget (Sewer Funds).

Sean Crumby, P.E.
Deputy General Manager of Engineering
Date 11/16/18

Christopher J. Garner
General Manager
Date 11/16/18
Board of Water Commissioners
November 29, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Adopt Resolution No. WD-1402 authorizing the General Manager to sign and file all necessary documents associated with the application for a grant agreement from the Department of Water Resources Clean Water State Revolving Fund Grant for the Advanced Metering Infrastructure Project.

Executive Summary:
The Department of Water Resources (DWR) offers Clean Water State Revolving Fund (CWSRF) Grants to provide financial assistance for water projects. During the LBWD Advanced Metering Infrastructure (AMI) Project, it is planned for LBWD staff to be responsible for replacing and retrofitting large meters and meters in otherwise challenging conditions at an estimated cost of $6,500,000.

Engineering Solutions Services, one of the LBWD grant consultants, has advised that AMI projects have historically qualified for DWR CWSRF grant funding. Staff therefore recommends LBWD submit an application for the DWR CWSRF grant opportunity. A resolution from the Board of Water Commissioners is required as part of the grant application.

Staff Recommendation:
Adopt Resolution No. WD-1402 authorizing the General Manager to sign and file all necessary documents associated with the application for a grant agreement from the Department of Water Resources Clean Water State Revolving Fund Grant for the Advanced Metering Infrastructure Project.

Fiscal Impact: The AMI project costs will be financed under a lease-purchase agreement, and financing costs have been budgeted. If selected for the grant, up to $3,250,000 of grant funding will be made available, and 50% matching funds will be required. Any portion of the lease-purchase agreement that is unused because of grant funds can be applied towards paying down the principal.

B. Anatole Falagan
Assistant General Manager

Christopher J. Garner
General Manager

Attachment
RESOLUTION NO. WD-1402

A RESOLUTION OF THE BOARD OF WATER
COMMISSIONERS OF THE CITY OF LONG BEACH
APPROVING THE APPLICATION FOR GRANT FUNDS
FROM THE DEPARTMENT OF WATER RESOURCES
CLEAN WATER STATE REVOLVING FUND GRANT FOR
THE ADVANCED METERING INFRASTRUCTURE PROJECT

WHEREAS, the Department of Water Resources (DWR) offers Clean Water
State Revolving Fund (CWSRF) Grants to provide financial assistance for water projects;

and

WHEREAS, during the LBWD Advanced Metering Infrastructure (AMI)
Project, it is planned for LBWD staff to be responsible for replacing and retrofitting large
meters and meters in otherwise challenging conditions at an estimated cost of $6,500,000;

and

WHEREAS, Engineering Solutions Services, one of the LBWD grant
consultants, has advised that AMI projects have historically qualified for DWR CWSRF
grant funding; and

WHEREAS, the Board of Water Commissioners of the City of Long Beach
desires to submit an application for grant funds from said program;

NOW, THEREFORE, the Board of Water Commissioners of the City of Long
Beach resolves as follows:

Section 1. The Board of Water Commissioners of the City of Long Beach
appoints the General Manager, or his designee, to act as agent with legal authority to enter
into the grant or cooperative agreement, conduct all negotiations, execute and submit all
documents for the Advanced Metering Infrastructure Project including, but not limited to,
applications, agreements, payment requests and any other grant required correspondence
which may be necessary for the completion of the grant program.

Section 2. Certifies that the Board of Water Commissioners of the City of Long Beach has reviewed and supports the proposed application.

Section 3. This Resolution shall take effect immediately upon its adoption by the Board, and the Secretary to the Board shall certify the vote adopting this Resolution.

I hereby certify that this Resolution was adopted by the Board of Water Commissioners of the City of Long Beach at its meeting on November 29, 2018 by the following vote:

<table>
<thead>
<tr>
<th>Ayes:</th>
<th>Commissioners:</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Noes:</th>
<th>Commissioners:</th>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Absent:</th>
<th>Commissioners:</th>
</tr>
</thead>
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<td></td>
<td></td>
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</tbody>
</table>

Secretary
Board of Water Commissioners
Board of Water Commissioners
November 29, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Adopt Resolution No. WD-1403 authorizing the General Manager to sign and file all necessary documents associated with the application for a grant agreement from the Department of Water Resources Clean Water State Revolving Fund Grant for the rehabilitation and replacement of sewer mains.

Executive Summary:
The Department of Water Resources (DWR) offers Clean Water State Revolving Fund (CWSRF) Grants to provide financial assistance for water projects. LBWD plans to rehabilitate or replace approximately 80,000 lineal feet of sewer pipes and related sewer assets such as manholes and laterals over the next four years to reduce sewer maintenance, prevent sewer spills, and reduce sewer main failures. The estimated cost of these improvements is $5,200,000.

Engineering Solutions Services, one of the LBWD grant consultants, has advised that sewer collection system improvement projects have historically qualified for DWR CWSRF grant funding. Staff therefore recommends LBWD submit an application for the DWR CWSRF grant opportunity. A resolution from the Board of Water Commissioners is required as part of the grant application.

Staff Recommendation:
Adopt Resolution No. WD-1403 authorizing the General Manager to sign and file all necessary documents associated with the application for a grant agreement from the Department of Water Resources Clean Water State Revolving Fund Grant for the rehabilitation and replacement of sewer mains.

Fiscal Impact: The sewer improvement projects are included within the LBWD Capital Improvement Plan and have been budgeted. If selected for the grant, up to $2,600,000 of grant funding will be made available, and 50% matching funds will be required.

B. Analole Falagan
Assistant General Manager

Christopher J. Garner
General Manager

Attachment
RESOLUTION NO. WD-1403

A RESOLUTION OF THE BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH APPROVING THE APPLICATION FOR GRANT FUNDS FROM THE DEPARTMENT OF WATER RESOURCES CLEAN WATER STATE REVOLVING FUND GRANT FOR THE REHABILITATION AND REPLACEMENT OF SEWER MAINS

WHEREAS, The Department of Water Resources (DWR) offers Clean Water State Revolving Fund (CWSRF) Grants to provide financial assistance for water projects; and

WHEREAS, LBWD plans to rehabilitate or replace approximately 80,000 lineal feet of sewer pipes and related sewer assets such as manholes and laterals over the next four years to reduce sewer maintenance, prevent sewer spills, and reduce sewer main failures;

WHEREAS, the estimated cost of these improvements is $5,200,000; and

WHEREAS, Engineering Solutions Services, one of the LBWD grant consultants, has advised that sewer collection system improvement projects have historically qualified for DWR CWSRF grant funding; and

WHEREAS, the Board of Water Commissioners of the City of Long Beach desires to submit an application for grant funds from said program;

NOW, THEREFORE, the Board of Water Commissioners of the City of Long Beach resolves as follows:

Section 1. The Board of Water Commissioners of the City of Long Beach appoints the General Manager, or his designee, to act as agent with legal authority to enter into the grant or cooperative agreement, conduct all negotiations, execute and submit all
documents for the rehabilitation and replacement of sewer mains including, but not limited
to, applications, agreements, payment requests and any other grant required
correspondence which may be necessary for the completion of the grant program.

Section 2. Certifies that the Board of Water Commissioners of the City of Long Beach has reviewed and supports the proposed application.

Section 3. This Resolution shall take effect immediately upon its adoption by the Board, and the Secretary to the Board shall certify the vote adopting this Resolution.

I hereby certify that this Resolution was adopted by the Board of Water Commissioners of the City of Long Beach at its meeting on November 29, 2018 by the following vote:

<table>
<thead>
<tr>
<th>Ayes:</th>
<th>Commissioners:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noes:</td>
<td>Commissioners:</td>
</tr>
<tr>
<td>Absent:</td>
<td>Commissioners:</td>
</tr>
</tbody>
</table>

__________________________________________
Secretary
Board of Water Commissioners
Board of Water Commissioners
November 29, 2018 Board Meeting

Subject:
Approve the Water Supply Assessment prepared for the Alexan Long Beach Project pursuant to California Water Code Section 10910 through Section 10914.

Executive Summary:
California Senate Bill 221, effective January 1, 2002, mandates that approval by a city or county of certain residential subdivisions requires an affirmative written verification of sufficient water supply. California Senate Bill 610, effective January 1, 2002, mandates that a water supply assessment (WSA) must be furnished to local governments for inclusion in any environmental documentation for projects expected to use an amount of water equivalent to, or greater than, that used by a 500-dwelling unit development subject to the California Environmental Quality Act.

A WSA has been requested by Trammel Crow Residential for the Alexan Long Beach Project, a project located at 600 W. Broadway for 756 residential units and 3,000 square feet of commercial space. Per Water Code Section 10910(g)(1), the governing body of the water supplier (i.e., the Board of Water Commissioners) must approve the WSA.

The Alexan Long Beach Project is exempt from the SB 221 requirement of an affirmative written verification of sufficient water supply (Government Code Section 66473.7) because it will be sited within an urbanized area that has been previously developed for urban uses, and also because the immediate contiguous properties surrounding the project area are developed for urban uses.

However, the Alexan Long Beach Project is not exempt from the SB 610 requirement to furnish a WSA. LBWD staff has completed the SB 610 WSA. This WSA anticipates adequate water supplies will be available during normal, single- and multiple-dry water years to meet the projected water demand associated with the Alexan Long Beach Project, in addition to the existing and other planned future uses of LBWD’s system. This finding is based on LBWD’s reliable supply of groundwater and imported water, the expanded use of recycled water, continued success with water conservation programs, and the growth accounted for within the LBWD 2015 Urban Water Management Plan.

Staff Recommendation:
Approve the Water Supply Assessment prepared for the Alexan Long Beach Project pursuant to California Water Code Section 10910 through Section 10914.

Fiscal Impact: None

B. Anatole Falagian
Assistant General Manager

Christopher J. Garner
General Manager
Water Supply Assessment

Prepared for:
Trammel Crow Residential
Alexan Long Beach Project

Approved by:
The City of Long Beach
Board of Water Commissioners

November 29, 2018
Table of Contents

Findings.......................................................................................................................................................... 1
What is a Water Supply Assessment? ......................................................................................................... 2
Alexan Long Beach Project .......................................................................................................................... 3
SB 221 Verification of a Sufficient Water Supply is Not Required ....................................................... 3
SB 610 Water Supply Assessment is Required ......................................................................................... 3
Deadline for Approval of WSA.................................................................................................................. 3
Estimating the Project's Demand for Water................................................................................................. 4
Summary of Water Supply Reliability......................................................................................................... 6
Imported Water Supply.................................................................................................................................... 7
  A. Preferential Rights to MWD Supplies .................................................................................................... 7
  B. 100 GPCD floor during shortage ................................................................................................................. 8
  C. Reliability of Imported Water ................................................................................................................. 9
Groundwater Supply and Its Reliability....................................................................................................... 9
  A. Groundwater Supply ................................................................................................................................. 9
  B. Groundwater Reliability ........................................................................................................................... 10
Water Supplies During Normal, Single-Dry, and Multiple-Dry Year Conditions................................. 11
Attachments.................................................................................................................................................... 12
Findings

The proposed Alexan Long Beach Project (Project) is exempt from the SB 221 requirement of an affirmative written verification of sufficient water supply (Government Code 66473.7) because it will be sited within an urbanized area that has been previously developed for urban uses. The Project is further exempt from SB 221 requirements because the immediate contiguous properties surrounding the Project area are, or previously have been, developed for urban uses.

However, the Project is not exempt from SB 610 requirement that a water supply assessment be completed because Project is expected to use an amount of water equivalent to, or greater than, that used by 500 dwelling units.

In Long Beach, water supply assessments (WSA) must be approved by the Board of Water Commissioners and transmitted to the project’s lead agency. State law allows the WSA to be based on the most recently adopted Urban Water Management Plan, which for LBWD is the Board-adopted 2015 Urban Water Management Plan.

This water supply assessment anticipates adequate water supplies will be available during normal, single- and multiple-dry water years to meet the projected water demand associated with the Project, in addition to the existing and other planned future uses, including agricultural and manufacturing uses, of Long Beach Water Department’s (LBWD) system. This finding is based on LBWD’s rights to a reliable supply of groundwater, continued success with water conservation programs, expanded use of recycled water, the Metropolitan Water District of Southern California (MWD) shortage allocation plan that guarantees 100 gallons per capita per day at the retail level, and LBWD’s preferential rights to water from the MWD, per Section 135 of the Metropolitan Water District Act.
What is a Water Supply Assessment?

Effective January 1, 2002, California Senate Bill 221 and Senate Bill 610 improve the link between information on water availability and certain land use decisions made by cities and counties. SB 221 and SB 610 are companion measures which seek to promote more collaborative planning between local water suppliers and cities and counties.

Both statutes require certain information regarding water availability to be provided to the city and county decision-makers prior to approval of specified large development projects. Both statutes also require this information to be included in the administrative record that serves as the evidentiary basis for an approval action by the city or county on such projects. Both measures recognize local control and decision making regarding the availability of water approval of the projects.

SB 221 conditions approval by a city or county of certain residential subdivisions on an affirmative written verification of sufficient water supply.

SB 610 requires a water supply assessment to be furnished to local governments for inclusion in any environmental documentation for certain projects (as defined in Water Code 10912(a)) subject to the California Environmental Quality Act (Water Code 10910(a)).

Under SB 610 and Water Code section 10911(b), the assessment must be completed prior to the issuance of a draft Environmental Impact Report or proposed Negative Declaration.

LBWD has SB 221 and SB 610 responsibilities under the City Charter. Long Beach City Charter, Section 1400, states:

There is hereby created a Water Department which shall be under the exclusive jurisdiction and control of five commissioners who shall be known as the Board of Water Commissioners. Said Water Department shall have full and complete jurisdiction over all water works necessary and incidental to the use, sale and distribution of water owned and controlled by the City.

Furthermore, per California Water Code 10910(b), LBWD is responsible for performing the SB 610 assessment because LBWD is a public water system of over 3,000 service connections and will provide domestic water to the site.
Alexan Long Beach Project

The Alexan Long Beach Project (Project) is a mixed-use development project proposed at 600 W. Broadway. Phase One of the proposed Project is estimated to be complete in 2022 and consists of four residential buildings totaling approximately 552 unit and one parking structure. Phase Two is estimated to be complete in 2026 and consists of two residential towers containing approximately 204 units and 3,000 square feet of commercial space. The Project will have a total of 756 residential units.

SB 221 Verification of a Sufficient Water Supply is Not Required

The Project is exempt from the SB 221 requirement of an affirmative written verification of sufficient water supply (Government Code 66473.7) because it will be sited within an urbanized area that has been previously developed for urban uses. The Project is further exempt from SB 221 requirements because the immediate contiguous properties surrounding the proposed site are, or previously have been, developed for urban uses.

SB 610 Water Supply Assessment is Required

Water Code 10912(a) and (b) and SB 610 require that a water supply assessment be adopted if the development is expected to demand an amount of water equivalent to or greater than the amount of water needed for 500 dwelling units. The Project triggers the need for a SB 610 assessment because the 756 dwelling units alone exceeds the 500 dwelling unit threshold.

Deadline for Approval of WSA

The governing body of the public water system in this case is the City of Long Beach Board of Water Commissioners (Board). Because the Alexan Long Beach Project is a “project” as defined by SB 610, the Board must approve the WSA and deliver it to the lead agency within 90 days after that agency requests the assessment (per Water Code section 10910(g)(1)).

Trammel Crow Residential submitted a request to LBWD on November 6, 2018 to conduct the WSA for the Project. Therefore, the Board must approve the WSA and transmit that assessment to the lead agency no later than February 4, 2019.
Estimating the Project’s Demand for Water

According to the conventional assumptions for the amount of water use per household from the Department of Water Resources “Guidebook for Implementation of Senate Bill 610 and Senate Bill 221 of 2001”, one dwelling unit typically consumes 0.3 to 0.5 acre-feet of water per year “depending upon several factors”. This works out to about 150-250 acre-feet per year for 500 dwelling units.

In calendar year 2015, 500 dwelling units in Long Beach multi-family settings (apartments and condominiums) averaged 78 acre-feet of water use, 500 dwelling units in duplex settings used 96 acre-feet, and 500 single family homes used 130 acre-feet. The 130 acre-feet for 500 single family homes is close to the low end of DWR’s estimate of 150 acre-feet.

California’s Water Code 10912(a) (i.e., SB 610) defines a “project” as a development that meets or exceeds any one of a number of thresholds, not just the “500 dwelling units” trigger; see Table 2. These comparable thresholds also create a tool for us to estimate the water needs of different elements of a mixed-use project.

Table 2 - SB 610 Threshold for requiring WSA

<table>
<thead>
<tr>
<th>Type of Development</th>
<th>Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. SFR or MFR</td>
<td>500 dwelling units</td>
</tr>
<tr>
<td>2. Shopping center or business</td>
<td>or 1,000 employees</td>
</tr>
<tr>
<td></td>
<td>or 500,000 sf of floor space</td>
</tr>
<tr>
<td>3. Commercial office building:</td>
<td>or 1,000 employees</td>
</tr>
<tr>
<td></td>
<td>or 250,000 sf of floor space</td>
</tr>
<tr>
<td>3. Hotel or motel</td>
<td>500 rooms</td>
</tr>
<tr>
<td>4. Industrial, manufacturing, or processing plant, or industrial park</td>
<td>1,000 employees</td>
</tr>
<tr>
<td></td>
<td>or 650,000 sf of floor space</td>
</tr>
<tr>
<td></td>
<td>or 40 acres of land</td>
</tr>
<tr>
<td>5. A mixed-use project that includes one or more of the projects specified above</td>
<td></td>
</tr>
<tr>
<td>6. A project that would demand an amount of water equivalent to, or greater than the amount of water required by a 500 dwelling unit project</td>
<td></td>
</tr>
</tbody>
</table>
Using these equivalencies, the following estimates that the Project will result in an additional water demand of 198.1 acre-feet per year once it is fully built out (see Table 3). This assumption is based on the conservative estimate that each new dwelling unit will use an amount of water equal to that of a typical Long Beach single family home; therefore, each 500 new additional dwelling units will result in an increase demand of 130 acre-feet per year.

Table 3 – Expected Increase in Water Demand resulting from the Project

<table>
<thead>
<tr>
<th>SB 610 Threshold</th>
<th>Expected Water Use in Long Beach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Use per year per 500 Single Family homes</td>
<td>130 AF per Year</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EQUIVILANCIES</th>
<th>Project's Net Increase</th>
<th>Net Increase in Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFR or MFR 500 dwelling units</td>
<td>756</td>
<td>196.6 AF per Year</td>
</tr>
<tr>
<td>Commercial office building: 250,000 sf of floor space</td>
<td>3,000</td>
<td>1.6 AF per Year</td>
</tr>
<tr>
<td>Hotel or motel 500 rooms</td>
<td>-</td>
<td>- AF per Year</td>
</tr>
<tr>
<td>TOTAL</td>
<td>198.1</td>
<td>AF per Year</td>
</tr>
</tbody>
</table>
Summary of Water Supply Reliability

If the projected water demand associated with a project had been accounted for in a water supplier’s most recently adopted Urban Water Management Plan (UWMP), the water supplier may rely on information from that plan in preparing certain elements of the WSA.

LBWD’s most recently adopted urban water management plan, its 2015 UWMP, as adopted by the Board in 2016, hereafter referred to as the 2015 UWMP, did not articulate specific development projects. Rather, it took into consideration the expected demand of these projects by projecting increases in factors influencing demand, such as increases in housing, population, and employment.

The Project’s expected water demand falls within the expected increase in employment and population used in the 2015 UWMP.

The Project’s expected water demand is within LBWD’s total projected water supplies available during normal, single dry, and multiple dry water years for the next 20 years; supplies that will be adequate to meet the projected water demand associated with the Project in addition to the existing and other planned future uses of LBWD’s system.

MWD’s shortage allocation plan guarantees a minimum amount of water to each member agency such that no member agency will be required to reduce retail demand to below 100 gallons per capita per day (GPCD). Because retail demand in LBWD’s service area in FY 2015 essentially equaled 100 GPCD (100.25 GPCD), LBWD has nearly 100-percent reliability even during shortage conditions.

What has not materially changed from the water supply assumptions in the 2015 UWMP are the reliability of LBWD’s groundwater and the Long Beach preferential rights to MWD supplies. Therefore, for the purposes of this WSA, the 2015 UWMP as it pertains to groundwater and preferential rights is an appropriate reference. The 2015 UWMP can be found at: http://www.lbwater.org/sites/default/files/documents/LBWD2015UWMP.pdf.
Imported Water Supply

LBWD purchases imported water from MWD to meet demand in excess of what can be satisfied through conservation and recycled water and LBWD’s groundwater supplies. Imported water has historically accounted for approximately 40 to 50-percent of the LBWD water supply. The amount of imported water LBWD purchases from MWD fluctuates from year to year, but the fluctuations have been due primarily to resource management decisions and LBWD’s total demand for water, rather than fluctuations in groundwater supply availability.

A. Preferential Rights to MWD Supplies

By virtue of certain capital investment in MWD since the early 1930’s, Long Beach is entitled to a right to MWD’s water. This entitlement is embedded in State law and comes in the form of a preferential right to MWD supplies. Section 135 of California’s Metropolitan Water District Act states:

> Each member public agency shall have a preferential right to purchase from the district for distribution by such agency, or any public utility therein empowered by such agency for the purposes, for domestic and municipal uses within the agency a portion of the water served by the district which shall, from time to time, bear the same ratio to all of the water supply of the district as the total accumulation of amounts paid by such agency to the district on tax assessments and otherwise, excepting purchase of water, toward the capital cost and operating expense of the district's works shall bear to the total payments received by the district on account of tax assessments and otherwise, excepting purchase of water, toward such capital cost and operating expense.

A copy of the Metropolitan Water District Act can be found online at:
http://mwdh2o.com/PDF_Who_We_Are/1.2_MWD_Act.pdf.

MWD has validated LBWD’s preferential rights on many occasions, including the correspondence shown in Attachment A, third page. The letter reaffirms LBWD’s Preferential Rights, stating:

> Section 135 of the Metropolitan Water District Act does not relate to pricing but to amounts of water that can be purchased for domestic and municipal uses within a member agency service area. As such, any member agency is permitted to purchase supplies consistent with the Metropolitan Water District Act, including Section 135.
MWD recalculates each of its member agency’s preferential rights on an annual basis. Preferential rights are expressed as a percent of MWD’s available supplies.

At the time of the adoption of the 2015 UWMP, LBWD had a preferential right to 2.34% of MWD supplies. Based on a conservative estimate that MWD will have a supply of 1.5 million acre-feet in multiple dry years, this 2.34% preferential right means that LBWD will have access to a supply of at least 35,100 acre-feet of imported water.

It is highly unlikely that MWD will have less than 1.5 million acre-feet of water. MWD’s 2015 Regional UWMP assumes during multiple dry years that supplies will be more than 2 million acre-feet. Even the 1.75 million acre-feet MWD budgeted to sell in 2015 after multiple historically dry years was still more than 1.5 million acre-feet.

<table>
<thead>
<tr>
<th>Table 4 – LBWD’s Preferential Rights in Multiple-Dry Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>LBWD Preferential Right (% of MWD supplies)</td>
</tr>
<tr>
<td>MWD supplies in multiple dry year</td>
</tr>
<tr>
<td>LBWD Preferential Right in multiple dry year</td>
</tr>
</tbody>
</table>

B. 100 GPCD floor during shortage

MWD’s shortage allocation plan guarantees a minimum amount of water to each member agency such that no member agency will be required to reduce retail demand to below 100 gallons per capita per day (GPCD). As explained in MWD Board Letter 8-8, dated August 17, 2010, page 3 and 4 (Attachment B):

“Member agencies with lower per capita water use and higher levels of demand hardening are disproportionately affected by demand reductions under WSAP allocations. As absolute per capita water use decreases beyond certain thresholds, further reductions are more likely to come from indoor residential use as opposed to outdoor landscape use... Member agencies would receive additional Metropolitan allocation for an acre-foot equivalent of GPCD below the minimum threshold.”

The actual adjustment can be found in the official MWD “Water Supply Allocation Plan”, December 2014 Revision. Because retail demand in LBWD’s service area in FY 2015 essentially
equaled 100 GPCD (100.25 GPCD), LBWD has nearly 100-percent reliability even during shortage conditions.

Table 5 – Gallons per Capita per Day in FY 2015 (ending Sept 30, 2015)

<table>
<thead>
<tr>
<th>Potable Demand (in acre-feet)</th>
<th>53,098</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Population</td>
<td>473,231</td>
</tr>
<tr>
<td>= Gallons per Capita per Day</td>
<td>100</td>
</tr>
</tbody>
</table>

C. Reliability of Imported Water

MWD is a wholesale water provider serving most of southern California’s coastal plain, and as such, MWD’s reliability is essential for the water reliability of the region. MWD supplies are imported from the Sacramento-San Joaquin Delta region through the State Water Project and from the Colorado River through the Colorado River Aqueduct. Both of these supplies are projected to be less reliable in the future than they have been in the past.

Although projected decreases in the water supply reliability of the State Water Project and the Colorado River compromise the reliability of MWD imported water supplies to the MWD service area as a whole, LBWD has reliability in imported MWD supplies as a result of its preferential rights.

Groundwater Supply and Its Reliability

A. Groundwater Supply

The Central Basin is a groundwater aquifer under 277 square miles in mostly urbanized southern Los Angeles County. The basin was seriously over-drafted by the mid-1900’s. The basin was adjudicated in the Los Angeles County Superior Court in the early 1960’s, strictly limiting extractions to apportioned rights, and apportioning the pumping rights to certain parties. This adjudication provides the framework for groundwater management of this basin. LBWD now has the right to pump 32,692 acre-feet per year from the Central Basin Aquifer.

A copy of the judgment is available upon request or on the LBWD website at: http://www.lbwater.org/sites/default/files/documents/CentralBasinJudgment.pdf.

LBWD also has 0.7 acre-feet of rights in the West Coast Basin, but LBWD has no active wells in the West Coast Basin and, therefore, does not pump those water rights.
B. Groundwater Reliability

Because there are strict limits on the amount of water that can legally be extracted from the basin, and because there are multiple on-going projects for replenishing the basin, and because there is sufficient storage within the basin, the Central Basin provides LBWD with a very reliable supply of groundwater, even during multiple-dry years.

The Central Basin Judgement limits the extractions from the Central Basin and guarantees adequate replenishment. Although the annual pumping rights allocated in the Central Basin judgment exceed the natural yield of the basin, the judgment charges the Water Replenishment District of Southern California (WRDSC) with the responsibility of replenishing the basin. Parties extracting water from the basin pay an assessment to WRDSC on a per acre-foot extracted basis. This assessment is used by WRDSC to purchase replenishment water and to fund other programs for the replenishment and protection of the basin. Replenishment of the basin occurs through the following:

1. **Natural replenishment**
   To the extent possible, San Gabriel River stream flows are used for replenishing the groundwater basin. This water is captured and pooled in “spreading grounds” or “percolation basins” and allowed to filter into the groundwater basin. The quantity of water from this source fluctuates with changes in weather patterns.

2. **In-lieu replenishment**
   Under certain conditions, parties with extraction rights may forgo their right to pump a certain amount of groundwater in a given year and purchase MWD water instead. In this way, the groundwater basis is replenished “in-lieu” of pumping. In these cases, the pumper would normally receive some sort of financial consideration to offset the higher cost of purchasing the MWD water.

3. **Recycled water**
   Recycled water is mixed with imported water and/or natural runoff and allowed to percolate into the groundwater basin, where the waters will be filtered through the aquifer’s soil, sometimes for many decades before being extracted. This supply is reliable even during fluctuations in weather, including multiple dry years.

4. **Imported water**
   MWD’s imported water is sometimes available for purchased for replenishment purposes. Depending on the prevailing MWD Board policy, replenishment water may be available at either the full imported water price or at a discounted rate.
Water Supplies During Normal, Single-Dry, and Multiple-Dry Year Conditions

The demand for domestic water in Long Beach is met with a combination of groundwater and imported water purchased from MWD. LBWD has reliable rights to both of these sources of water in quantities sufficient to meet the projected water demand of the Project in addition to LBWD’s existing and planned future uses, including agricultural and manufacturing uses, during normal, single-dry and multiple-dry water years through a 20-year projection period.
Attachments
Attachment A
Office of the General Manager

May 13, 2010

Mr. Kevin L. Wattier
General Manager
Long Beach Water Department
1800 East Wardlow Road
Long Beach, CA 90807-4994

Dear Mr. Wattier:

Request for documentation from Metropolitan Water District for a water assessment by the Long Beach Water Department for a proposed development in the City of Long Beach

Your letter dated April 2, 2010, on the above subject, requested two items from The Metropolitan Water District of Southern California (Metropolitan):

1. The most current 20-year forecast of the reliability of Metropolitan’s domestic and municipal supplies for its service area in five-year increments, under the three hydrologic conditions specified by SB 221 and SB 610.

2. The expected Metropolitan differential rate, and/or any other fees or charges, for water purchases exceeding a Water Supply Allocation Plan (WSAP) amount, but less than a preferential right of the City of Long Beach.

Item 1

Attachment A contains the comparison of Metropolitan’s supply capabilities and projected demands under the three hydrologies: Single-Dry-Year (repeat of 1977), Multiple-Dry-Year (repeat of 1990-1992) and Average Year (average of 1922-2004). The key assumptions for the analysis and each of Metropolitan’s resources – the Colorado River Aqueduct, State Water Project, and In-Region Storage – are also described and summarized in Attachment A.

The tables show that Metropolitan’s assumed supply capabilities would be sufficient to meet expected firm demands from 2015 through 2035 under the three specified hydrologies based on the assumptions outlined in Appendix A. It must be noted that a key component to the water supply capability is the amount of water in Metropolitan’s storage facilities. Storage is a major component of Metropolitan’s dry-year resource management strategy, and so the assumption as to the amount of available storage is critical. Simply put, if Metropolitan storage resources are empty at the time of the given hydrologic events, Metropolitan would likely not have adequate supply capability to meet projected demands without implementing the WSAP. For the purposes of constructing the tables attached to this letter, the assumption used is a simulated median storage level going into each five-year increment, based on the balances of supplies and demands.
consistent with the overall assumptions shown in Attachment A. In practical terms, for each 
condition provided, there is an estimated 50 percent probability that storage levels would be 
higher than the assumption used, and a 50 percent probability that storage levels would be lower 
than the assumption used. All storage capability figures shown in the tables reflect actual storage 
program conveyance constraints. It is important to note that under some conditions, 
Metropolitan may choose to implement the WSAP in order to preserve storage reserves for a 
future year, instead of using the full supply capability. This can result in impacts at the retail 
level even under conditions where there may be adequate supply capabilities to meet firm 
demands.

The analyses included represent the most current available planning projections on supply and 
demands. Metropolitan is also in the processes of completing its Integrated Resources Adaptive 
Management Plan (IRAMP) and the 2010 Regional Urban Water Management Plan. Some of 
the assumptions may change as a result of those processes. For example, the retail demands 
included in this analysis incorporate an estimate of an additional 200,000 AF of water 
conservation. This savings amount represents a preliminary estimate resulting from retail water 
purovers implementing minimal compliance to the water use efficiency target of a 20 percent 
per capita water use reduction by 2020 established under the Delta legislation SB 7x-7. This 
may be a conservative estimate and will be refined as we gather additional information on how 
member and local water agencies plan to comply with this legislation, including Metropolitan’s 
effort through the IRAMP.

Item 2

It would be speculative for staff to define the expected Metropolitan penalty rates for differential 
water purchases exceeding future WSAP amounts. Metropolitan’s Board of Directors sets its 
water rates annually. In addition, the WSAP adopted in February 2008 established a 12 month 
review of the Plan after implementation. Since Metropolitan implemented the WSAP in 
July 2009, the process of 12-month review has begun with staff and member agencies. The 
review process may result in recommendations for changes to the WSAP that could affect future 
implementation and penalty rates. One potential adjustment under discussion would be limiting 
reductions for member agencies with average per capita water use of 100 gallons per day or less. 
While this adjustment is not final, it could provide a benefit to the City of Long Beach in the 
future, if implemented and if per capita demands drop below 100 gallons per day within the 
service area of the Long Beach Water Department.

For your reference, the current penalty-rate policy for water purchases over a WSAP allocation 
is: (1) two times the fully loaded Untreated Tier 2 rate for use between 100 percent and 
115 percent of a WSAP allocation and (2) four times the fully loaded Untreated Tier 2 rate for 
use exceeding 115 percent of a WSAP allocation. There is also a consideration for agencies that 
exit a WSAP allocation but do not exceed an equivalent calculation based on an agency’s 
preferential rights percentage. Penalty rates for these agencies are reduced by one times the fully 
loaded Untreated Tier 2 rate. Metropolitan is adopted water rates for 2010, 2011 and 2012 are 
included in Attachment B.
Mr. Kevin L. Wattier  
Page 3  
May 13, 2010  

Your letter also requested information regarding Metropolitan’s policy, if any, regarding charges for water upon the exercise of preferential rights under Section 135 of the Metropolitan Water District Act. Section 135 of the Metropolitan Water District Act does not relate to pricing but to amounts of water that can be purchased for domestic and municipal uses within a member agency service boundary. The Board adopted WSAP does not prevent the delivery of water to a member agency. As such, any member agency is permitted to purchase supplies consistent with the Metropolitan Water District Act, including Section 135.

We hope that the provided information will assist you in the preparation of your water supply assessment. If you have any questions, please contact me at (213) 217-6686 or Dupadhyay@mwdh2o.com

Very truly yours,

Deven N. Upadhyay

BJG:tt
o:\sec\2010\BJG_Long Beach Letter.docx
Metropolitan’s firm supplies for its service area under Single Dry Year, Multiple Dry Years, and Average Years

Key Assumptions:

1. Retail Municipal and Industrial water demands are derived using Southern California Association of Governments and San Diego Association of Governments 2007 demographic projections to drive the estimating equations in Metropolitan’s MWD-MAIN demand forecasting model.

2. Active Conservation levels are driven by calculating water savings from all active program device-based savings installed to date.

3. Code-Based Conservation levels are driven by calculating water savings from devices covered by existing water conservation ordinances and plumbing codes, with replacement and new construction rates driven by demographic growth consistent with those used to derive retail demand.

4. Additional water savings from retail-level compliance with “20 x 2020” conservation legislation was approximated by linearly ramping up to 200,000 acre-feet of demand reduction by 2020.

5. Local supply estimates, which include groundwater production, Los Angeles Aqueduct deliveries, surface supplies, recycled water and brackish groundwater desalination, are based on estimates of projects and yields that are currently existing and producing water supplies, or are currently under construction.

6. Water resources included are those developed and committed to date, and are shown to grow to their estimated full yields through 2035.

7. Additional Local Resources in the amount of 16 TAF were implemented beginning in 2015, reaching a total of 46 TAF by 2025 to approximate either additional Seawater Desalination or other local recycling or groundwater recovery projects.

8. Colorado River Aqueduct supplies include existing/committed programs along with planned QSA program ramp-up.

9. Colorado River transactions are available to supply additional water up to the CRA capacity of 1.25 MAF on an as-needed basis.

10. State Water Project supplies are estimated under restrictions from current Delta smelt and Chinook salmon Biological Opinions until 2012, after which an Interim Delta Solution was implemented to lessen the impact of the Biological Opinions. A Delta Fix was implemented in 2022, improving the State Water Project to yields approximating those estimated prior to the court rulings and Biological Opinions to protect Delta smelt and Chinook salmon.

11. No access to additional SWP water transfers in addition to any existing/committed water transfers, including State Drought Bank supplies.
12. Metropolitan’s existing storage portfolio of approximately 4.9 MAF of surface and groundwater storage, and any existing/committed water transfers.

13. Storage resources reflect median level projections calculated using IRPSIM resource simulation modeling. Simulation modeling is based on the key assumptions listed above and starting storage conditions current as of January 1, 2010.
## Attachment A

### Single Dry-Year
Supply Capability<sup>1</sup> and Projected Demands

**Repeat of 1977 Hydrology**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Forecast Year</th>
<th>2015</th>
<th>2020</th>
<th>2025</th>
<th>2030</th>
<th>2035</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Supply Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In-Region Storage</td>
<td>666,000</td>
<td>840,000</td>
<td>1,099,000</td>
<td>888,000</td>
<td>756,000</td>
</tr>
<tr>
<td>California Aqueduct&lt;sup&gt;2&lt;/sup&gt;</td>
<td>1,028,000</td>
<td>1,084,000</td>
<td>1,288,000</td>
<td>1,235,000</td>
<td>1,236,000</td>
</tr>
<tr>
<td>Colorado River Aqueduct&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
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<tr>
<td><strong>Maximum Supply Capability</strong></td>
<td>2,944,000</td>
<td>3,174,000</td>
<td>3,547,000</td>
<td>3,373,000</td>
<td>3,242,000</td>
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<tr>
<td>Firm Demands on Metropolitan</td>
<td>2,168,000</td>
<td>2,155,000</td>
<td>2,162,000</td>
<td>2,203,000</td>
<td>2,254,000</td>
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<tr>
<td><strong>Remaining Shortage&lt;sup&gt;4&lt;/sup&gt;</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</table>

<sup>1</sup> Represents Supply Capability for resource programs under listed year type.

<sup>2</sup> California Aqueduct includes Central Valley transfers and storage program supplies conveyed by the aqueduct.

<sup>3</sup> Maximum CRA deliveries limited to 1.25 MAF including IID-SDCWA transfers and canal linings.

<sup>4</sup> Represents remaining shortage based upon supply capability. Additionally, Metropolitan’s Water Supply Allocation Plan can be implemented by its Board of Directors at any time to manage resources.
### Multiple Dry-Year
Supply Capability\(^1\) and Projected Demands

**Repeat of 1990-1992 Hydrology**
(acre-feet per year)

<table>
<thead>
<tr>
<th>Forecast Year</th>
<th>2015</th>
<th>2020</th>
<th>2025</th>
<th>2030</th>
<th>2035</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Supply Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In-Region Storage</td>
<td>249,000</td>
<td>345,000</td>
<td>433,000</td>
<td>396,000</td>
<td>352,000</td>
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<tr>
<td>California Aqueduct(^2)</td>
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<td>1,050,000</td>
<td>1,241,000</td>
<td>1,211,000</td>
<td>1,212,000</td>
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<tr>
<td>Colorado River Aqueduct(^3)</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
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<tr>
<td><strong>Maximum Supply Capability</strong></td>
<td>2,485,000</td>
<td>2,645,000</td>
<td>2,924,000</td>
<td>2,857,000</td>
<td>2,814,000</td>
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<tr>
<td><strong>Firm Demands on Metropolitan</strong></td>
<td>2,178,000</td>
<td>2,202,000</td>
<td>2,220,000</td>
<td>2,257,000</td>
<td>2,305,000</td>
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<tr>
<td><strong>Remaining Shortage(^4)</strong></td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
</tr>
</tbody>
</table>

\(^1\) Represents Supply Capability for resource programs under listed year type.

\(^2\) California Aqueduct includes Central Valley transfers and storage program supplies conveyed by the aqueduct.

\(^3\) Maximum CRA deliveries limited to 1.25 MAF including IID-SDCWA transfers and canal linings.

\(^4\) Represents remaining shortage based upon supply capability. Additionally, Metropolitan’s Water Supply Allocation Plan can be implemented by its Board of Directors at any time to manage resources.
### Average Year
Supply Capability and Projected Demands

**Average of 1922-2004 Hydrologies**
(acre-feet per year)

<table>
<thead>
<tr>
<th>Forecast Year</th>
<th>2015</th>
<th>2020</th>
<th>2025</th>
<th>2030</th>
<th>2035</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Supply Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In-Region Storage</td>
<td>666,000</td>
<td>840,000</td>
<td>1,009,000</td>
<td>888,000</td>
<td>756,000</td>
</tr>
<tr>
<td>California Aqueduct(^2)</td>
<td>1,902,000</td>
<td>2,007,000</td>
<td>2,435,000</td>
<td>2,401,000</td>
<td>2,402,000</td>
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<td>Colorado River Aqueduct(^3)</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
<td>1,250,000</td>
</tr>
<tr>
<td><strong>Maximum Supply Capability</strong></td>
<td>3,818,000</td>
<td>4,097,000</td>
<td>4,694,000</td>
<td>4,539,000</td>
<td>4,408,000</td>
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<tr>
<td><strong>Firm Demands on Metropolitan</strong></td>
<td>1,974,000</td>
<td>1,960,000</td>
<td>1,962,000</td>
<td>2,002,000</td>
<td>2,051,000</td>
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<tr>
<td><strong>Remaining Shortage</strong>(^4)</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>0</td>
</tr>
</tbody>
</table>

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1. Represents Supply Capability for resource programs under listed year type.
2. California Aqueduct includes Central Valley transfers and storage program supplies conveyed by the aqueduct.
3. Maximum CRA deliveries limited to 1.25 MAF including IID-SDCWA transfers and canal linings.
4. Represents remaining shortage based upon supply capability. Additionally, Metropolitan’s Water Supply Allocation Plan can be implemented by it’s Board of Directors at any time to manage resources.
## In-Region Storage
### Program Capabilities
#### Year 2015
(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metropolitan Surface Storage (DVL, Mathews, Skinner)</td>
<td>121,000</td>
<td>362,000</td>
<td>362,000</td>
</tr>
<tr>
<td>Flexible Storage in Castaic &amp; Perris</td>
<td>33,000</td>
<td>100,000</td>
<td>100,000</td>
</tr>
<tr>
<td>Groundwater Storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conjunctive Use</td>
<td>55,000</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Cyclic Storage</td>
<td>18,000</td>
<td>55,000</td>
<td>55,000</td>
</tr>
<tr>
<td><strong>Subtotal of Current Programs</strong></td>
<td><strong>227,000</strong></td>
<td><strong>632,000</strong></td>
<td><strong>632,000</strong></td>
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<tr>
<td><strong>Programs Under Development</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raymond Basin Groundwater Conjunctive Use</td>
<td>9,000</td>
<td>22,000</td>
<td>22,000</td>
</tr>
<tr>
<td>LADWP Groundwater Demonstration Project</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td><strong>Subtotal of Proposed Programs</strong></td>
<td><strong>21,000</strong></td>
<td><strong>34,000</strong></td>
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<tr>
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<td><strong>666,000</strong></td>
<td><strong>666,000</strong></td>
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</table>
## In-Region Storage

**Program Capabilities**

**Year 2020**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metropolitan Surface Storage (DVL, Mathews, Skinner)</td>
<td>156,000</td>
<td>469,000</td>
<td>469,000</td>
</tr>
<tr>
<td>Flexible Storage in Castaic &amp; Perris</td>
<td>45,000</td>
<td>134,000</td>
<td>134,000</td>
</tr>
<tr>
<td>Groundwater Storage</td>
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<td></td>
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<tr>
<td>Conjunctive Use</td>
<td>89,000</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Cyclic Storage</td>
<td>29,000</td>
<td>88,000</td>
<td>88,000</td>
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<tr>
<td><strong>Subtotal of Current Programs</strong></td>
<td>319,000</td>
<td>806,000</td>
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<tr>
<td><strong>Programs Under Development</strong></td>
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</tr>
<tr>
<td>Raymond Basin Groundwater Conjunctive Use</td>
<td>14,000</td>
<td>22,000</td>
<td>22,000</td>
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<tr>
<td>LADWP Groundwater Demonstration Project</td>
<td>12,000</td>
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<td>12,000</td>
</tr>
<tr>
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<td>34,000</td>
<td>34,000</td>
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<tr>
<td><strong>Maximum Supply Capability</strong></td>
<td>345,000</td>
<td>840,000</td>
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## In-Region Storage
### Program Capabilities
#### Year 2025
(acre-feet per year)

<table>
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<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metropolitan Surface Storage</td>
<td>191,000</td>
<td>574,000</td>
<td>574,000</td>
</tr>
<tr>
<td>(DVL, Mathews, Skinner)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flexible Storage in Castaic &amp; Perris</td>
<td>54,000</td>
<td>162,000</td>
<td>162,000</td>
</tr>
<tr>
<td>Groundwater Storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conjunctive Use</td>
<td>115,000</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Cyclic Storage</td>
<td>41,000</td>
<td>124,000</td>
<td>124,000</td>
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<tr>
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<td><strong>975,000</strong></td>
<td><strong>975,000</strong></td>
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<tr>
<td><strong>Programs Under Development</strong></td>
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</tr>
<tr>
<td>Raymond Basin Groundwater Conjunctive Use</td>
<td>20,000</td>
<td>22,000</td>
<td>22,000</td>
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<td>LADWP Groundwater Demonstration Project</td>
<td>12,000</td>
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<td>12,000</td>
</tr>
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<td><strong>Subtotal of Proposed Programs</strong></td>
<td><strong>32,000</strong></td>
<td><strong>34,000</strong></td>
<td><strong>34,000</strong></td>
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<td><strong>1,009,000</strong></td>
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## In-Region Storage
### Program Capabilities
#### Year 2030

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metropolitan Surface Storage (DVL, Mathews, Skinner)</td>
<td>156,000</td>
<td>467,000</td>
<td>467,000</td>
</tr>
<tr>
<td>Flexible Storage in Castaic &amp; Perris</td>
<td>45,000</td>
<td>135,000</td>
<td>135,000</td>
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<tr>
<td>Groundwater Storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conjunctive Use</td>
<td>115,000</td>
<td>115,000</td>
<td>115,000</td>
</tr>
<tr>
<td>Cyclic Storage</td>
<td>46,000</td>
<td>137,000</td>
<td>137,000</td>
</tr>
<tr>
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<td><strong>854,000</strong></td>
<td><strong>854,000</strong></td>
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<tr>
<td><strong>Programs Under Development</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Raymond Basin Groundwater Conjunctive Use</td>
<td>22,000</td>
<td>22,000</td>
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<tr>
<td>LADWP Groundwater Demonstration Project</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
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<tr>
<td><strong>Subtotal of Proposed Programs</strong></td>
<td><strong>34,000</strong></td>
<td><strong>34,000</strong></td>
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## In-Region Storage
### Program Capabilities
#### Year 2035
(acre-feet per year)

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<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
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</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
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## California Aqueduct

Program Capabilities

**Year 2015**

(acre-feet per year)

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<tr>
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<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
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<tbody>
<tr>
<td><strong>Current Programs</strong></td>
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<tr>
<td>MWD Table A</td>
<td>567,000</td>
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<td>Central Valley Storage and Transfers</td>
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<td>Shasta Return</td>
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</table>

¹ Includes DWCV carryover.

² Remaining supply needed to meet IRP target.
## California Aqueduct

### Program Capabilities

#### Year 2020

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
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<tbody>
<tr>
<td><strong>Current Programs</strong></td>
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<tr>
<td>MWD Table A</td>
<td>567,000</td>
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<td>1,177,000</td>
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<td>20,000</td>
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<tr>
<td>San Bernardino Valley MWD Option Purchase</td>
<td>11,000</td>
<td>13,000</td>
<td>20,000</td>
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<tr>
<td>Yuba River Accord Purchase</td>
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<td>3,000</td>
</tr>
<tr>
<td>Central Valley Storage and Transfers</td>
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<td></td>
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<tr>
<td>Semitropic Program</td>
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<td>60,000</td>
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<tr>
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<td>75,000</td>
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<td>119,000</td>
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<tr>
<td>Shasta Return</td>
<td>18,000</td>
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<td>Semitropic Agricultural Water Reuse Demonstration</td>
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</table>

1. Includes DWCV carryover.
2. Remaining supply needed to meet IRP target.
## California Aqueduct
### Program Capabilities
#### Year 2025
(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
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<tbody>
<tr>
<td><strong>Current Programs</strong></td>
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<td></td>
<td></td>
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<tr>
<td>MWD Table A</td>
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<td>534,000</td>
<td>1,177,000</td>
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<tr>
<td>DWCV Table A</td>
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<td>155,000</td>
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<tr>
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<td>12,000</td>
<td>8,000</td>
<td>20,000</td>
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<tr>
<td>San Bernardino Valley MWD Option Purchase</td>
<td>12,000</td>
<td>11,000</td>
<td>29,000</td>
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<tr>
<td>Yuba River Accord Purchase</td>
<td>19,000</td>
<td>22,000</td>
<td>3,000</td>
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<tr>
<td>Central Valley Storage and Transfers</td>
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<tr>
<td>Semitropic Program</td>
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<td>41,000</td>
<td>69,000</td>
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<td>Mojave Groundwater Storage Program</td>
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<tr>
<td>SBVMWD Central Feeder</td>
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<td>Shasta Return</td>
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<tr>
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1. Includes DWCV carryover.
2. Remaining supply needed to meet IRP target.
## California Aqueduct
### Program Capabilities
#### Year 2030
(acre-feet per year)

<table>
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<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
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<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MWD Table A</td>
<td>567,000</td>
<td>534,000</td>
<td>1,177,000</td>
</tr>
<tr>
<td>DWCV Table A</td>
<td>77,000</td>
<td>60,000</td>
<td>155,000</td>
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<tr>
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<tr>
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<tr>
<td>Shasta Return</td>
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<td>Semitropic Agricultural Water Reuse Demonstration</td>
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</table>

1. Includes DWCV carryover.
2. Remaining supply needed to meet IRP target.
## California Aqueduct

**Program Capabilities**

**Year 2035**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MWD Table A</td>
<td>567,000</td>
<td>534,000</td>
<td>1,177,000</td>
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<tr>
<td>DWCV Table A</td>
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<td>60,000</td>
<td>155,000</td>
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<td>San Luis Carryover (^1)</td>
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<td>Delta Improvements</td>
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<td>Mojave Groundwater Storage Program</td>
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<td>In-Delta Transfers</td>
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<td>SBVMWD Central Feeder</td>
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<tr>
<td>Shasta Return</td>
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<td>18,000</td>
<td>18,000</td>
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<tr>
<td>Semitropic Agricultural Water Reuse Demonstration</td>
<td>11,000</td>
<td>11,000</td>
<td>11,000</td>
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<tr>
<td>IRP SWP Target (^2)</td>
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<td><strong>Subtotal of Proposed Programs</strong></td>
<td>312,000</td>
<td>231,000</td>
<td>549,000</td>
</tr>
<tr>
<td><strong>Maximum Supply Capability</strong></td>
<td>1,212,000</td>
<td>1,236,000</td>
<td>2,402,000</td>
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</tbody>
</table>

\(^1\) Includes DWCV carryover.

\(^2\) Remaining supply needed to meet IRP target.
# Colorado River Aqueduct

## Program Capabilities

**Year 2015**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years</th>
<th>Single Dry Year</th>
<th>Average Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic Apportionment – Priority 4</td>
<td>550,000</td>
<td>550,000</td>
<td>550,000</td>
</tr>
<tr>
<td>IID/MWD Conservation Program</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>Priority 5 Apportionment (Surplus)</td>
<td>0</td>
<td>0</td>
<td>91,000</td>
</tr>
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<td>PVID Land Management, Crop Rotation, and Water Supply Program</td>
<td>133,000</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Lower Colorado Water Supply Project</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Lake Mead Storage Program</td>
<td>306,000</td>
<td>400,000</td>
<td>400,000</td>
</tr>
<tr>
<td>Quechan Settlement Agreement Supply</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>Forbearance for Present Perfected Rights</td>
<td>(42,000)</td>
<td>(47,000)</td>
<td>(47,000)</td>
</tr>
<tr>
<td>CVWD SWP/QSA Transfer Obligation</td>
<td>(35,000)</td>
<td>(35,000)</td>
<td>(35,000)</td>
</tr>
<tr>
<td>DWCV SWP Table A Obligation</td>
<td>(60,000)</td>
<td>(54,000)</td>
<td>(127,000)</td>
</tr>
<tr>
<td>DWCV SWP Table A Transfer Callback</td>
<td>32,000</td>
<td>29,000</td>
<td>67,000</td>
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<tr>
<td>DWCV Advance Delivery Account</td>
<td>28,000</td>
<td>25,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Drop 2 Reservoir Funding</td>
<td>22,000</td>
<td>66,000</td>
<td>66,000</td>
</tr>
<tr>
<td>SNWA Agreement</td>
<td>40,000</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td><strong>Subtotal of Current Programs</strong></td>
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<td><strong>1,211,000</strong></td>
<td><strong>1,302,000</strong></td>
</tr>
</tbody>
</table>

| Programs Under Development             |                  |                 |              |
| Additional PVID Transfers (Crop Stressing/Fallowing) | 66,000 | 66,000 | 66,000 |
| Arizona Programs - CAP                  | 50,000           | 50,000          | 50,000       |
| California Indians / Other Ag           | 10,000           | 10,000          | 10,000       |
| ICS Exchange                           | 25,000           | 25,000          | 25,000       |
| Expand SNWA Agreement                   | 15,000           | 15,000          | 15,000       |
| Agreements with CVWD                    | 35,000           | 35,000          | 35,000       |
| Hayfield Groundwater Extraction Project | 5,000            | 5,000           | 5,000        |
| **Subtotal of Proposed Programs**      | **206,000**      | **206,000**     | **206,000**  |

| Additional Non-Metropolitan CRA Supplies |                  |                 |              |
| SDCWA/IID Transfer                      | 100,000          | 100,000         | 100,000      |
| Coachella & All-American Canal Lining   |                  |                 |              |
| To SDCWA                                | 80,000           | 80,000          | 80,000       |
| To San Luis Rey Settlement Parties¹     | 16,000           | 16,000          | 16,000       |
| **Subtotal of Non-Metropolitan Supplies** | **196,000** | **196,000** | **196,000** |

| Maximum CRA Supply Capability²         | **1,480,000**    | **1,613,000**   | **1,704,000** |
| Less CRA Capacity Constraint (amount above 1.25 MAF) | (230,000) | (363,000) | (454,000) |
| Maximum Expected CRA Deliveries³       | **1,250,000**    | **1,250,000**   | **1,250,000** |
| Less Non-Metropolitan Supplies⁴         | (196,000)        | (196,000)       | (196,000)    |
| **Maximum Metropolitan Supply Capability⁵** | **1,054,000** | **1,054,000** | **1,054,000** |

¹ Subject to satisfaction of conditions specified in agreement among Metropolitan, the United States, and the San Luis Rey Settlement Parties
² Total amount of supplies available without taking into consideration CRA capacity constraint.
³ The Colorado River Aqueduct delivery capacity is 1.250 MAF annually.
⁴ Exchange obligation for the SDCWA-IID transfer and the Coachella and All American Canal Lining projects.
⁵ The amount of CRA water available to Metropolitan after meeting its exchange obligations.
### Colorado River Aqueduct

**Program Capabilities**

**Year 2020**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic Apportionment – Priority 4</td>
<td>550,000</td>
<td>550,000</td>
<td>550,000</td>
</tr>
<tr>
<td>IID/MWD Conservation Program</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>Priority 5 Apportionment (Surplus)</td>
<td>500,000</td>
<td>356,000</td>
<td>61,000</td>
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<td>PVID Land Management, Crop Rotation, and Water Supply Program</td>
<td>133,000</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Lower Colorado Water Supply Project</td>
<td>6,000</td>
<td>6,000</td>
<td>6,000</td>
</tr>
<tr>
<td>Lake Mead Storage Program</td>
<td>400,000</td>
<td>400,000</td>
<td>400,000</td>
</tr>
<tr>
<td>Quechan Settlement Agreement Supply</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>Forbearance for Present Perfected Rights</td>
<td>(47,000)</td>
<td>(47,000)</td>
<td>(47,000)</td>
</tr>
<tr>
<td>CVWD SWP/QSA Transfer Obligation</td>
<td>(35,000)</td>
<td>(35,000)</td>
<td>(35,000)</td>
</tr>
<tr>
<td>DWCV SWP Table A Obligation</td>
<td>(60,000)</td>
<td>(54,000)</td>
<td>(127,000)</td>
</tr>
<tr>
<td>DWCV SWP Table A Transfer Callback</td>
<td>32,000</td>
<td>29,000</td>
<td>67,000</td>
</tr>
<tr>
<td>DWCV Advance Delivery Account</td>
<td>28,000</td>
<td>25,000</td>
<td>60,000</td>
</tr>
<tr>
<td>Drop 2 Reservoir Funding</td>
<td>22,000</td>
<td>25,000</td>
<td>25,000</td>
</tr>
<tr>
<td>SNWA Agreement</td>
<td>40,000</td>
<td>40,000</td>
<td>40,000</td>
</tr>
<tr>
<td><strong>Subtotal of Current Programs</strong></td>
<td><strong>1,667,000</strong></td>
<td><strong>1,526,000</strong></td>
<td><strong>1,231,000</strong></td>
</tr>
</tbody>
</table>

| **Programs Under Development**                |                             |                        |                          |
| Additional PVID Transfers (Crop Stressing/Fallowing) | 66,000                      | 66,000                 | 66,000                   |
| Arizona Programs - CAP                        | 50,000                      | 50,000                 | 50,000                   |
| California Indians / Other Ag                 | 10,000                      | 10,000                 | 10,000                   |
| ICS Exchange                                  | 25,000                      | 25,000                 | 25,000                   |
| Expand SNWA Agreement                          | 15,000                      | 15,000                 | 15,000                   |
| Agreements with CVWD                           | 35,000                      | 35,000                 | 35,000                   |
| Hayfield Groundwater Extraction Project       | 5,000                       | 5,000                  | 5,000                    |
| **Subtotal of Proposed Programs**             | **206,000**                 | **206,000**            | **206,000**              |

### Additional Non-Metropolitan CRA Supplies

| SDCWA/IID Transfer                            | 161,000                     | 193,000                | 193,000                  |
| Coachella & All-American Canal Lining         |                             |                        |                          |
| To SDCWA                                      | 80,000                      | 80,000                 | 80,000                   |
| To San Luis Rey Settlement Parties           | 16,000                      | 16,000                 | 16,000                   |
| **Subtotal of Non-Metropolitan Supplies**    | **257,000**                 | **289,000**            | **289,000**              |

| Maximum CRA Supply Capability覆               | **2,130,000**               | **2,021,000**          | **1,726,000**            |
| Less CRA Capacity Constraint (amount above 1.25 MAF) | (880,000)                  | (771,000)              | (476,000)                |
| Maximum Expected CRA Deliveries覆             | **1,250,000**               | **1,250,000**          | **1,250,000**            |
| Less Non-Metropolitan Supplies覆               | (257,000)                   | (289,000)              | (289,000)                |
| **Maximum Metropolitan Supply Capability覆**  | **993,000**                 | **961,000**            | **961,000**              |

---

1. Subject to satisfaction of conditions specified in agreement among Metropolitan, the United States, and the San Luis Rey Settlement Parties.
2. Total amount of supplies available without taking into consideration CRA capacity constraint.
3. The Colorado River Aqueduct delivery capacity is 1.250 MAF annually.
4. Exchange obligation for the SDCWA-IID transfer and the Coachella and All American Canal Lining projects.
5. The amount of CRA water available to Metropolitan after meeting its exchange obligations.
# Attachment A

## Colorado River Aqueduct
### Program Capabilities
#### Year 2025
(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic Apportionment – Priority 4</td>
<td>550,000</td>
<td>550,000</td>
<td>550,000</td>
</tr>
<tr>
<td>IID/MWD Conservation Program</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>Priority 5 Apportionment (Surplus)</td>
<td>0</td>
<td>250,000</td>
<td>53,000</td>
</tr>
<tr>
<td>PVID Land Management, Crop Rotation, and Water Supply Program</td>
<td>133,000</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Lower Colorado Water Supply Project</td>
<td>6,000</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Lake Mead Storage Program</td>
<td>400,000</td>
<td>400,000</td>
<td>400,000</td>
</tr>
<tr>
<td>Quechan Settlement Agreement Supply</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
</tr>
<tr>
<td>Forbearance for Present Perfected Rights</td>
<td>(47,000)</td>
<td>(47,000)</td>
<td>(47,000)</td>
</tr>
<tr>
<td>CVWD SWP/QSA Transfer Obligation</td>
<td>(35,000)</td>
<td>(35,000)</td>
<td>(35,000)</td>
</tr>
<tr>
<td>DWCV SWP Table A Obligation</td>
<td>(77,000)</td>
<td>(60,000)</td>
<td>(155,000)</td>
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<tr>
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<td>82,000</td>
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<td>73,000</td>
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<td>25,000</td>
</tr>
<tr>
<td>SNWA Agreement</td>
<td>0</td>
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<td>0</td>
</tr>
<tr>
<td><strong>Subtotal of Current Programs</strong></td>
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<td><strong>1,379,000</strong></td>
<td><strong>1,182,000</strong></td>
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<tr>
<td><strong>Programs Under Development</strong></td>
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<td></td>
</tr>
<tr>
<td>Additional PVID Transfers (Crop Stressing/Fallowing)</td>
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<td>66,000</td>
<td>66,000</td>
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<tr>
<td>Arizona Programs - CAP</td>
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<td>50,000</td>
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<tr>
<td>California Indians / Other Ag</td>
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<td>10,000</td>
<td>10,000</td>
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<tr>
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<tr>
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<tr>
<td>Agreements with CVWD</td>
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<tr>
<td>Hayfield Groundwater Extraction Project</td>
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<td>5,000</td>
<td>5,000</td>
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<td><strong>Subtotal of Proposed Programs</strong></td>
<td><strong>191,000</strong></td>
<td><strong>191,000</strong></td>
<td><strong>191,000</strong></td>
</tr>
<tr>
<td><strong>Additional Non-Metropolitan CRA Supplies</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SDCWA/IID Transfer</td>
<td>200,000</td>
<td>200,000</td>
<td>200,000</td>
</tr>
<tr>
<td>Coachella &amp; All-American Canal Lining</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To SDCWA</td>
<td>80,000</td>
<td>80,000</td>
<td>80,000</td>
</tr>
<tr>
<td>To San Luis Rey Settlement Parties¹</td>
<td>16,000</td>
<td>16,000</td>
<td>16,000</td>
</tr>
<tr>
<td><strong>Subtotal of Non-Metropolitan Supplies</strong></td>
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<td><strong>296,000</strong></td>
<td><strong>296,000</strong></td>
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<tr>
<td><strong>Maximum CRA Supply Capability²</strong></td>
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<td><strong>1,669,000</strong></td>
</tr>
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<td>Less CRA Capacity Constraint (amount above 1.25 MAF)</td>
<td>(364,000)</td>
<td>(616,000)</td>
<td>(419,000)</td>
</tr>
<tr>
<td><strong>Maximum Expected CRA Deliveries³</strong></td>
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<td><strong>1,250,000</strong></td>
<td><strong>1,250,000</strong></td>
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<tr>
<td>Less Non-Metropolitan Supplies⁴</td>
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<td>(296,000)</td>
<td>(296,000)</td>
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<tr>
<td><strong>Maximum Metropolitan Supply Capability⁵</strong></td>
<td><strong>954,000</strong></td>
<td><strong>954,000</strong></td>
<td><strong>954,000</strong></td>
</tr>
</tbody>
</table>

¹ Subject to satisfaction of conditions specified in agreement among Metropolitan, the United States, and the San Luis Rey Settlement Parties

² Total amount of supplies available without taking into consideration CRA capacity constraint

³ The Colorado River Aqueduct delivery capacity is 1.250 MAF annually.

⁴ Exchange obligation for the SDCWA-IID transfer and the Coachella and All American Canal Lining projects.

⁵ The amount of CRA water available to Metropolitan after meeting its exchange obligations.
### Colorado River Aqueduct

**Program Capabilities**

**Year 2030**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic Apportionment – Priority 4</td>
<td>550,000</td>
<td>550,000</td>
<td>550,000</td>
</tr>
<tr>
<td>IID/MWD Conservation Program</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>Priority 5 Apportionment (Surplus)</td>
<td>0</td>
<td>0</td>
<td>13,000</td>
</tr>
<tr>
<td>PVID Land Management, Crop Rotation, and Water Supply Program</td>
<td>133,000</td>
<td>133,000</td>
<td>133,000</td>
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<tr>
<td>Lower Colorado Water Supply Project</td>
<td>5,000</td>
<td>5,000</td>
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<tr>
<td>Lake Mead Storage Program</td>
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<td>400,000</td>
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<tr>
<td>Quechan Settlement Agreement Supply</td>
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<td>13,000</td>
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<tr>
<td>Forbearance for Present Perfected Rights</td>
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<td>(47,000)</td>
<td>(47,000)</td>
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<tr>
<td>CVWD SWP/QSA Transfer Obligation</td>
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<td>(35,000)</td>
<td>(35,000)</td>
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<tr>
<td>DWCV SWP Table A Obligation</td>
<td>(77,000)</td>
<td>(60,000)</td>
<td>(155,000)</td>
</tr>
<tr>
<td>DWCV SWP Table A Transfer Callback</td>
<td>41,000</td>
<td>32,000</td>
<td>82,000</td>
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<td>36,000</td>
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<td>73,000</td>
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<tr>
<td>Drop 2 Reservoir Funding</td>
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<td>25,000</td>
</tr>
<tr>
<td>SNWA Agreement</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Subtotal of Current Programs</strong></td>
<td>1,126,000</td>
<td>1,129,000</td>
<td>1,142,000</td>
</tr>
</tbody>
</table>

| **Programs Under Development** | | | |
| Additional PVID Transfers [Crop Stressing/Fallowing] | 66,000 | 66,000 | 66,000 |
| Arizona Programs - CAP | 50,000 | 50,000 | 50,000 |
| California Indians / Other Ag | 10,000 | 10,000 | 10,000 |
| ICS Exchange | 25,000 | 25,000 | 25,000 |
| Expand SNWA Agreement | 0 | 0 | 0 |
| Agreements with CVWD | 35,000 | 35,000 | 35,000 |
| Hayfield Groundwater Extraction Project | 0 | 0 | 0 |
| **Subtotal of Proposed Programs** | 186,000 | 186,000 | 186,000 |

| **Additional Non-Metropolitan CRA Supplies** | | | |
| SDCWA/IID Transfer | 200,000 | 200,000 | 200,000 |
| Coachella & All-American Canal Lining | | | |
| To SDCWA | 80,000 | 80,000 | 80,000 |
| To San Luis Rey Settlement Parties | 16,000 | 16,000 | 16,000 |
| **Subtotal of Non-Metropolitan Supplies** | 296,000 | 296,000 | 296,000 |

| **Maximum CRA Supply Capability** | 1,608,000 | 1,611,000 | 1,624,000 |
| **Less CRA Capacity Constraint (amount above 1.25 MAF)** | (358,000) | (361,000) | (374,000) |
| **Maximum Expected CRA Deliveries** | 1,250,000 | 1,250,000 | 1,250,000 |
| **Less Non-Metropolitan Supplies** | (296,000) | (296,000) | (296,000) |
| **Maximum Metropolitan Supply Capability** | 954,000 | 954,000 | 954,000 |

---

1. Subject to satisfaction of conditions specified in agreement among Metropolitan, the United States, and the San Luis Rey Settlement Parties.
2. Total amount of supplies available without taking into consideration CRA capacity constraint.
3. The Colorado River Aqueduct delivery capacity is 1.250 MAF annually.
4. Exchange obligation for the SDCWA-IID transfer and the Coachella and All American Canal Lining projects.
5. The amount of CRA water available to Metropolitan after meeting its exchange obligations.
### Colorado River Aqueduct

**Program Capabilities**

**Year 2035**

(acre-feet per year)

<table>
<thead>
<tr>
<th>Hydrology</th>
<th>Multiple Dry Years (1990-92)</th>
<th>Single Dry Year (1977)</th>
<th>Average Year (1922-2004)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Programs</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basic Apportionment - Priority 4</td>
<td>550,000</td>
<td>550,000</td>
<td>550,000</td>
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<tr>
<td>IID/MWD Conservation Program</td>
<td>85,000</td>
<td>85,000</td>
<td>85,000</td>
</tr>
<tr>
<td>Priority 5 Apportionment (Surplus)</td>
<td>0</td>
<td>0</td>
<td>10,000</td>
</tr>
<tr>
<td>PVID Land Management, Crop Rotation, and Water Supply Program</td>
<td>133,000</td>
<td>133,000</td>
<td>133,000</td>
</tr>
<tr>
<td>Lower Colorado Water Supply Project</td>
<td>5,000</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Lake Mead Storage Program</td>
<td>332,000</td>
<td>400,000</td>
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<td>Quechan Settlement Agreement Supply</td>
<td>13,000</td>
<td>13,000</td>
<td>13,000</td>
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<tr>
<td>Forbearance for Present Perfected Rights</td>
<td>(47,000)</td>
<td>(47,000)</td>
<td>(47,000)</td>
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<tr>
<td>CVWD SWP/QSA Transfer Obligation</td>
<td>(35,000)</td>
<td>(35,000)</td>
<td>(35,000)</td>
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<tr>
<td>DWCV SWP Table A Obligation</td>
<td>(77,000)</td>
<td>(60,000)</td>
<td>(155,000)</td>
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<td>DWCV SWP Table A Transfer Callback</td>
<td>41,000</td>
<td>32,000</td>
<td>82,000</td>
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<td>DWCV Advance Delivery Account</td>
<td>36,000</td>
<td>28,000</td>
<td>73,000</td>
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<tr>
<td>Drop 2 Reservoir Funding</td>
<td>22,000</td>
<td>25,000</td>
<td>25,000</td>
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<tr>
<td>SNWA Agreement</td>
<td>0</td>
<td>0</td>
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<tr>
<td><strong>Subtotal of Current Programs</strong></td>
<td><strong>1,058,000</strong></td>
<td><strong>1,129,000</strong></td>
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<tr>
<td><strong>Programs Under Development</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Additional PVID Transfers (Crop Stressing/Fallowing)</td>
<td>66,000</td>
<td>66,000</td>
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<tr>
<td>Arizona Programs - CAP</td>
<td>50,000</td>
<td>50,000</td>
<td>50,000</td>
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<tr>
<td>California Indians / Other Ag</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
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<tr>
<td>ICS Exchange</td>
<td>25,000</td>
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<tr>
<td>Expand SNWA Agreement</td>
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<td>Agreements with CVWD</td>
<td>35,000</td>
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<td>Hayfield Groundwater Extraction Project</td>
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<td><strong>Subtotal of Proposed Programs</strong></td>
<td><strong>186,000</strong></td>
<td><strong>186,000</strong></td>
<td><strong>186,000</strong></td>
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<tr>
<td><strong>Additional Non-Metropolitan CRA Supplies</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>SDCWA/IID Transfer</td>
<td>200,000</td>
<td>200,000</td>
<td>200,000</td>
</tr>
<tr>
<td>Coachella &amp; All-American Canal Lining</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To SDCWA</td>
<td>80,000</td>
<td>80,000</td>
<td>80,000</td>
</tr>
<tr>
<td>To San Luis Rey Settlement Parties¹</td>
<td>16,000</td>
<td>16,000</td>
<td>16,000</td>
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<tr>
<td><strong>Subtotal of Non-Metropolitan Supplies</strong></td>
<td><strong>296,000</strong></td>
<td><strong>296,000</strong></td>
<td><strong>296,000</strong></td>
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<tr>
<td><strong>Maximum CRA Supply Capability</strong></td>
<td><strong>1,540,000</strong></td>
<td><strong>1,611,000</strong></td>
<td><strong>1,621,000</strong></td>
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<tr>
<td>Less CRA Capacity Constraint (amount above 1.25 MAF)</td>
<td>(290,000)</td>
<td>(361,000)</td>
<td>(371,000)</td>
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<tr>
<td><strong>Maximum Expected CRA Deliveries</strong></td>
<td><strong>1,250,000</strong></td>
<td><strong>1,250,000</strong></td>
<td><strong>1,250,000</strong></td>
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<tr>
<td>Less Non-Metropolitan Supplies ²</td>
<td>(296,000)</td>
<td>(296,000)</td>
<td>(296,000)</td>
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<tr>
<td><strong>Maximum Metropolitan Supply Capacity</strong> ³</td>
<td><strong>954,000</strong></td>
<td><strong>954,000</strong></td>
<td><strong>954,000</strong></td>
</tr>
</tbody>
</table>

¹ Subject to satisfaction of conditions specified in agreement among Metropolitan, the United States, and the San Luis Rey Settlement Parties

² Total amount of supplies available without taking into consideration CRA capacity constraint.

³ The Colorado River Aqueduct delivery capacity is 1.250 MAF annually.

⁴ Exchange obligation for the SDCWA-IID transfer and the Coachella and All American Canal Lining projects.

⁵ The amount of CRA water available to Metropolitan after meeting its exchange obligations.
## Attachment B

**Metropolitan Water District of Southern California**  
**Water Rates and Charges**

<table>
<thead>
<tr>
<th>Rate Description</th>
<th>Effective 1/1/2010</th>
<th>Effective 1/1/2011</th>
<th>Effective 1/1/2012</th>
</tr>
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<tbody>
<tr>
<td>Tier 1 Supply Rate (dollars per acre-foot)</td>
<td>$101</td>
<td>$104</td>
<td>$106</td>
</tr>
<tr>
<td>Delta Supply Surcharge (dollars per acre-foot)</td>
<td>$69</td>
<td>$51</td>
<td>$58</td>
</tr>
<tr>
<td>Tier 2 Supply Rate (dollars per acre-foot)</td>
<td>$280</td>
<td>$280</td>
<td>$290</td>
</tr>
<tr>
<td>System Access Rate (dollars per acre-foot)</td>
<td>$154</td>
<td>$204</td>
<td>$217</td>
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<tr>
<td>Water Stewardship Rate (dollars per acre-foot)</td>
<td>$41</td>
<td>$41</td>
<td>$43</td>
</tr>
<tr>
<td>System Power Rate (dollars per acre-foot)</td>
<td>$119</td>
<td>$127</td>
<td>$136</td>
</tr>
<tr>
<td>Full Service Untreated Volumetric Cost ($/AF)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tier 1</td>
<td>$484</td>
<td>$527</td>
<td>$560</td>
</tr>
<tr>
<td>Tier 2</td>
<td>$594</td>
<td>$652</td>
<td>$666</td>
</tr>
<tr>
<td>Replenishment Water Rate: untreated (dollars per acre-foot)</td>
<td>$366</td>
<td>$409</td>
<td>$442</td>
</tr>
<tr>
<td>Interim Agricultural Water Program: untreated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(dollars per acre-foot)</td>
<td>$416</td>
<td>$482</td>
<td>$537</td>
</tr>
<tr>
<td>Treatment Surcharge (dollars per acre-foot)</td>
<td>$217</td>
<td>$217</td>
<td>$234</td>
</tr>
<tr>
<td>Full Service Treated Volumetric Cost ($/AF)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tier 1</td>
<td>$701</td>
<td>$744</td>
<td>$794</td>
</tr>
<tr>
<td>Tier 2</td>
<td>$811</td>
<td>$869</td>
<td>$920</td>
</tr>
<tr>
<td>Treated Replenishment Water Rate (treated dollars per acre-foot)</td>
<td>$558</td>
<td>$601</td>
<td>$651</td>
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<tr>
<td>Treated Interim Agricultural Water Program (dollars per acre-foot)</td>
<td>$615</td>
<td>$687</td>
<td>$765</td>
</tr>
<tr>
<td>Readiness-to-serve Charge (millions of dollars)</td>
<td>$114</td>
<td>$125</td>
<td>$146</td>
</tr>
<tr>
<td>Capacity Charge (dollars per cubic foot second)</td>
<td>$7,200</td>
<td>$7,200</td>
<td>$7,400</td>
</tr>
</tbody>
</table>

### Definitions

- **Tier 1 Supply Rate** - recovers the majority of the supply costs.
- **Tier 2 Supply Rate** - a higher block rate that reflects Metropolitan’s cost of developing additional supply applied to annual purchase of water above baseline.
- **Delta Supply Surcharge** - recovers the additional supply costs and other costs due to the pumping restrictions on the State Water Project. The Delta Supply Surcharge replaced the Water Supply Surcharge effective with the 2009/10 rates.
- **System Access Rate** - recovers a portion of the capital and operations maintenance costs associated with the delivery of supplies.
- **System Power Rate** - recovers Metropolitan’s power costs for pumping water to Southern California.
- **Water Stewardship Rate** - recovers the cost of Metropolitan’s financial commitment to conservation, water recycling.
Attachment B

groundwater clean-up and other local resource management programs.

**Replenishment Water Rate** - a discounted rate for surplus system supplies available for the purpose of replenishing local storage.

**Treated Replenishment Water Rate** - a discounted rate for surplus system supplies available for the purpose of replenishing local storage.

**Interim Agricultural Water Rate** - discounted rate for surplus system supplies available for agricultural use. Program is phasing out.

**Treated Interim Agricultural Water Program Rate** – a discounted rate for surplus system supplies available for the agricultural use. Program is phasing out.

**Treatment Surcharge** - recovers the costs of treating water.

**Readiness-to-Serve Charge** - a fixed charge that recovers the cost of the portion of system capacity that provides standby and emergency service.

**Capacity Charge** - a fixed charge to recover the cost of providing peak capacity within the distribution system.
8/17/2010 Board Meeting

Subject
Approve adjustments to Metropolitan's Water Supply Allocation Plan and implement the allocation of seawater barrier supplies for the 2010/11 Allocation Year

Description

Background

Between July 2007 and February 2008, Metropolitan staff worked with the member agency managers and the Board to develop a Water Supply Allocation Plan (WSAP). The WSAP includes the specific formulas for calculating member agency supply allocations and the key implementation elements needed for administering an allocation. The WSAP formula allocates Metropolitan supplies over ten regional shortage levels. The WSAP was adopted at the February 12, 2008, board meeting. Staff was also directed to review the WSAP 12 months following implementation to ensure opportunity for Metropolitan staff and the member agencies to re-evaluate the plan and recommend appropriate changes to the Board.

In April 2009, the Board voted to implement the WSAP for the first time. The WSAP was implemented at a Level 2 allocation level, and was in effect for the period of July 1, 2009, through June 30, 2010. Since implementation of the 2009/10 WSAP began in July 2009, a number of practical issues relating to the plan were identified by staff and the member agencies for further consideration. In the interest of ensuring a comprehensive review process that could produce appropriate changes in time for the next WSAP year, the 12-month review process for the 2009/10 WSAP commenced in January 2010, six months into the WSAP year. Over the course of the six months, staff consulted with the member agency managers to discuss the WSAP and collected feedback on potential modifications.

This letter provides the Board with staff recommendations for modifications to the WSAP that would address the issues identified and discussed during the review process. This letter also provides the Board with the staff recommendation for allocation of seawater barrier demands. Any actions to modify the WSAP are intended to take effect for the 2010/11 allocation year.

Process

Metropolitan staff engaged with the member agencies in a formal review of the WSAP beginning in January 2010. The purpose of the review was to collaborate with the member agencies to identify potential modifications to the WSAP and to recommend changes, if any, for board consideration. Since the review process began in 2010, the member agency managers participated in a series of six workshops. The focus of these workshops was to facilitate in-depth discussion on WSAP-related issues and lessons learned since the WSAP was implemented in July 2009.
The main topics of discussion in the review process generally fell into the following categories:

- Groundwater basin management
- Local supply production
- Demand hardening
- Growth adjustments

To prepare for the review process, Metropolitan staff collected WSAP-related issues from several sources, including an online feedback form, WSAP appeal submittals, internal staff meetings, and interactions with member agency managers and staff. Since June 2009, Metropolitan staff has maintained an online WSAP feedback form on the member agency website. The WSAP also includes a comprehensive “Appeals Process” for managing requested changes in member agency data and subsequent supply allocations. To date, Metropolitan has received 14 appeal submittals for the 2009/10 allocation year, which revealed additional issues and topics for clarification and discussion. Attachment 1 shows a listing of the meetings that were held as part of the formal WSAP review process.

Metropolitan staff compiled WSAP-related issues from these various sources for presentation and discussion at the WSAP review workshops. Recommendations on how to deal with these issues were subsequently developed in conjunction with the member agency managers for Board direction.

**Recommended Modifications to the Water Supply Allocation Plan**

Metropolitan staff consulted with the member agency managers and staff to develop these recommendations. They are intended to be effective in the 2010/11 allocation year.

1. **Remove references to Gains and Losses of Local Supply** – Retail demands in the WSAP are calculated using 2004/06 Base Period Local Supplies. However, WSAP allocations are determined by each member agency’s current Allocation Year Local Supplies. Under the WSAP, changes in Allocation Year Local Supplies are documented through communication with member agencies and verified through a formal local supply certification process at the end of each allocation year. Corrections to historical Base Period Local Supply data are made through the formal WSAP appeals process.

   Staff recommends removing references in the WSAP to “gains and losses of local supplies” in order to better facilitate the accounting of historical base year and allocation year local supplies. This recommended change would not affect the WSAP formula or allocations.

2. **Remove references to Regional Shortage Percentage** – Each WSAP Regional Shortage Level currently has a defined “Regional Shortage Percentage.” This percentage is a factor within the WSAP formula and does not represent a shortage amount. However, the percentage figure has led to difficulty with public outreach and communication because it can be easily misinterpreted as an indicator of the depth of shortage or as a percentage of required cutbacks or reductions.

   Staff recommends removing references to the “Regional Shortage Percentage” in the WSAP to reduce unintended confusion between calculation factors and shortage amounts. This recommended change would not affect the WSAP formula or allocations.

3. **Include the Retail Impact Adjustment in Regional Shortage Level 1 and Level 2** – The purpose of the Retail Impact Adjustment in the WSAP is to help ensure that member agencies that are highly reliant upon Metropolitan do not experience disparate shortages at the retail level compared to other agencies that are less reliant on Metropolitan. It is prorated on a linear scale based on each member agency’s dependence on Metropolitan at the retail level. However, it is currently only applied when the WSAP Regional Shortage Level is 3 or greater. Extending the adjustment to Level 1 and Level 2 would provide additional allocation to agencies based on their retail-level needs as well as consistency in methodology across all shortage levels.

   Staff recommends inclusion of the Retail Impact Adjustment for Regional Shortage Level 1 and Level 2. This recommended change would result in additional allocations to Metropolitan-dependent agencies under Level 1 and Level 2 regional shortages. Implementing this change would result in approximately
56,000 acre-feet of additional allocation for the upcoming 2010/11 WSAP Allocation Year. Based on the water supply and demand balance as of June 2010, staff does not anticipate that the proposed modification would affect the WSAP Regional Shortage Level. A detailed accounting showing the estimated impact to each member agency from including the Retail Impact Adjustment can be found in Attachment 2.

4. Revise the Accounting for Extraordinary Supplies – In June 2010, the Board adopted principles to be considered in determining Extraordinary Supplies under the WSAP. Local supply production classified as Extraordinary Supply is accounted differently than “planned” or “ordinary” Allocation Year Local Supply. Under the current formula, Extraordinary Supplies are subject to a Base Period Local Supply threshold; this means that an agency must produce as much local supply as they did in the Base Period in order for an Extraordinary Supply to be counted as Extraordinary. Also, according to the current formula Extraordinary Supplies are only partially included in the WSAP allocation formula depending on the WSAP Level. This has the effect of overstating the agency’s demand for Metropolitan supplies and providing significantly more benefit to the member agency in terms of total water supply. However, Extraordinary Supplies are increasingly shared with the rest of the region on a sliding-scale as WSAP Levels increase.

During the 12-month review process, it was recognized that the Base Period Local Supply threshold provision and the sliding-scale sharing mechanism in the formula could have punitive outcomes. These impacts are particularly severe in deeper regional shortages and unintentionally create disincentives for member agencies to develop Extraordinary Supplies.

Staff recommends modifying the methodology for accounting of Extraordinary Supply in the WSAP formula. This would be accomplished by:

- Removing the Base Period Local Supply threshold provision,
- Removing the sliding-scale sharing mechanism from the formula, and
- Including the full amount of the Extraordinary Supply in the calculation of the Retail Impact Adjustment.

Attachment 3 provides an example of how these changes would offer more of a benefit to agencies that procure Extraordinary Supplies. There would be no change in the sliding-scale sharing because the current formula does not apply a sliding scale until Level 3. The only impacts to the 2010/11 WSAP Allocation Year supply allocations under a Level 2 would come from the changes to the Base Period Local Supply threshold and the recalculation of the Retail Impact Adjustment. Quantifying the impact is not practicable because any quantification is dependent on knowing actual amounts of Extraordinary Supply that agencies would procure and the dependence on Metropolitan of the agency procuring the Extraordinary Supply.

5. Include a Minimum Per Capita Water Use Threshold – There is significant variation in per capita water use among the member agencies. Member agencies with lower per capita water use and higher levels of demand hardening are disproportionately affected by demand reductions under WSAP allocations. As absolute per capita water use decreases beyond certain thresholds, further reductions are more likely to come from indoor residential use as opposed to outdoor landscape use.

Staff recommends comparing member agency water use, on a gallon per capita per day (GPCD) basis, to the following minimum thresholds:

- 100 GPCD total use or
- 55 GPCD residential indoor use

Staff’s proposed minimum thresholds are based upon compliance guidelines established under Senate Bill X7-7 (Water Conservation Act of 2009).
Member agencies would receive additional Metropolitan allocation for an acre-foot equivalent of GPCD below the minimum threshold. Implementing this change would result in about 900 acre-feet of additional allocation for the upcoming 2010/11 WSAP Allocation Year. The estimated impact to each member agency from including a Minimum Per Capita Water Use Threshold can be found in Attachment 4. Attachment 4 also shows the total acre-feet of additional allocation that would result from this change at each of the WSAP Shortage Levels.

6. Exclude Seawater Barrier Supplies from the WSAP Formula – The WSAP formula currently includes seawater barrier deliveries as local supplies. However, unlike other local demands, seawater barrier deliveries cannot be cut during an allocation year because of obligations to protect groundwater basins, including blending requirements when recycled water is used. This creates a demand hardening effect where the other customers from member agencies that supply seawater barrier deliveries must curtail their demands even more to compensate during an allocation. For this reason, seawater barrier deliveries provide an important regional benefit but also have disparate impacts to individual member agencies and their customers.

During the 2004/06 WSAP Base Period, Metropolitan seawater barrier deliveries averaged approximately 25,000 acre-feet per year. Using the current WSAP formula an estimated 22,000 acre-feet would be allocated to seawater barrier demands in the 2010/11 WSAP Allocation Year. Removing seawater barrier demands from the allocation formula would reduce the 2010/11 WSAP allocation by a like amount. An additional and separate allocation of supplies to meet seawater barrier demands would be determined by the Board of Directors. For the purposes of setting the allocation of supplies for seawater barrier, staff will use estimates of seawater barrier demands provided by the member agencies. At the conclusion of a WSAP Allocation Year, staff would require those agencies that have seawater barrier obligations to certify the actual demands for seawater barrier that occurred in that year. Attachment 5 shows the estimated impacts to each member agency from this proposal, as well as the total change in allocation at each WSAP Shortage Level.

Staff recommends excluding seawater barrier supplies from the 2004/06 Base Period and WSAP Allocation Year local supply calculations. This would allow the Board to determine allocations for seawater barrier demands separately from the WSAP. The current WSAP formula does not account for actual barrier requirements, or the changes in the use of recycled water to meet those requirements that have occurred since the Base Period. With the proposed revision, the Board would be able to consider actual barrier requirements in the Allocation Year, as well as the availability of recycled supplies for blending given current operational and regulatory constraints. Staff proposes that allocations to seawater barrier demands would be no deeper than the WSAP Wholesale Minimum Percentage implemented at that time.

Other Identified Items from the 12-Month Review

In addition to the WSAP modifications recommended in the preceding section, several other items of concern had been identified and discussed by staff and the member agencies during the WSAP 12-Month Review process. For some of these items, it was determined that they would be appropriately addressed on a case-by-case basis through the formal WSAP appeals process. For the remaining items, it was determined through discussions with the member agencies that that they did not necessitate changes in the WSAP during this review. The items are listed below:

Items to be addressed by appeal

- Losses of supply in basins used as distribution systems
- Exclude physically isolated areas from the WSAP formula
- Treatment of water quality and physical solution obligations in the WSAP formula
Other Identified Items

- Conversion of replenishment demands to firm demands
- Increase the Conerving Rate Structure Credit
- Modify how the Base Period Local Supplies are calculated
- Capacity charges should not be affected by the WSAP
- Fire suppression/maintenance water should be excluded from the WSAP
- Adjudications that require replenishment supplies
- Remove the Growth Adjustment from the WSAP formula
- WSAP Base Period selection

Of particular note is the issue of the Growth Adjustment in the WSAP formula. No change in the existing Growth Adjustment is recommended for the 2010/11 WSAP through this review process. However, staff and the member agencies are in agreement that the methodology for accounting for growth in the WSAP formula warrants continued review and discussion in the future.

**Recommended Allocation of Seawater Barrier Supplies**

The adjustment proposed in this letter to exclude seawater barrier supplies from the WSAP formula states that an “additional and separate allocation of supplies to meet seawater barrier demands will be determined by the Board of Directors”. Separating the seawater barrier allocation from the WSAP allocation allows the Board to consider actual barrier requirements in the Allocation Year. The current WSAP formula does not account for actual barrier requirements, or the changes in the use of recycled water to meet those requirements that have occurred since the Base Period.

During the 2004/06 Base Period, Seawater Barrier purchases from Metropolitan averaged just over 25,000 acre-feet per year. Under the existing WSAP formula about 22,000 acre-feet of supplies would be allocated to meet seawater barrier demands at the current Level 2 implementation. Based on initial estimates provided by the member agencies, the total amount of Metropolitan supplies needed to meet barrier demands in the current Allocation Year is 16,000 acre-feet. The following table shows the total amount of seawater barrier demands in the Allocation Year by member agency, as well as the anticipated local recycled supplies that will be available to meet barrier demands and the resulting demands on Metropolitan.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Total Barrier Demand</th>
<th>Local Barrier Supply</th>
<th>Barrier Demand on Metropolitan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Beach</td>
<td>6,000</td>
<td>2,700</td>
<td>3,300</td>
</tr>
<tr>
<td>MWDOC</td>
<td>38,000</td>
<td>37,700</td>
<td>300</td>
</tr>
<tr>
<td>West Basin</td>
<td>24,800</td>
<td>12,400</td>
<td>12,400</td>
</tr>
<tr>
<td>Total</td>
<td>68,800</td>
<td>52,800</td>
<td>16,000</td>
</tr>
</tbody>
</table>

The proposal in this letter to exclude seawater barrier supplies from the WSAP formula states that the allocations to seawater barrier demands should be no deeper than the WSAP Wholesale Minimum Percentage implemented at that time. Under the current Level 2 WSAP implementation the Wholesale Minimum Percentage is 85 percent. The following table shows the amount of seawater barrier supplies that would be provided under various levels of allocation, with the minimum allocation equal to 85 percent of seawater barrier demands on Metropolitan.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>100%</th>
<th>95%</th>
<th>90%</th>
<th>85%</th>
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<tbody>
<tr>
<td>Long Beach</td>
<td>3,300</td>
<td>3,135</td>
<td>2,970</td>
<td>2,805</td>
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<tr>
<td>MWDOC</td>
<td>300</td>
<td>285</td>
<td>270</td>
<td>255</td>
</tr>
<tr>
<td>West Basin</td>
<td>12,400</td>
<td>11,780</td>
<td>11,160</td>
<td>10,540</td>
</tr>
<tr>
<td>Total</td>
<td>16,000</td>
<td>15,200</td>
<td>14,400</td>
<td>13,600</td>
</tr>
</tbody>
</table>
Some key considerations in determining the allocation of seawater barrier demands are:

- the importance of the seawater barriers in protecting groundwater supplies for the region
- the demand hardening impacts associated with cutting seawater barrier supplies

In excluding seawater barrier deliveries from the WSAP allocation, Metropolitan would effectively isolate the actual demands for seawater barrier in the allocation year. Any reductions in seawater barrier deliveries would translate into real cuts to seawater barrier deliveries, or would shift supplies allocated under the WSAP away from potable customers to provide for the seawater barrier.

Given the key considerations outlined above, staff recommends that Metropolitan provide sufficient supplies to meet 100 percent of seawater barrier demands for the Allocation Year. Approving this action would reduce the WSAP allocation by just over 22,000 acre-feet, and add an additional 16,000 acre-feet of seawater barrier allocation; the net change would be a 6,000-acre-foot reduction in supplies allocated by Metropolitan. The allocation figures shown above are based on preliminary estimates provided by the member agencies; final allocations will be based on actual certified barrier demands and local supplies.

Next Steps

Changes to the WSAP as a result of board action this month are intended to be in effect for the 2010/11 WSAP Allocation Year. Metropolitan staff has communicated the process timeline to the member agencies through the 12-month review workshops and through meetings with the member agency managers.

For reference, Attachment 6 provides a comparison of the estimated 2010/11 WSAP allocations under the current allocation formula and with all of the adjustments proposed in this letter. This comparison quantifies the cumulative impact of all of the proposed changes for each member agency.

Policy

By Minute Item 47393, dated February 12, 2008, the Board adopted the Water Supply Allocation Plan.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, where it can be seen with certainty that there is no possibility that the proposed action in question may have a significant effect on the environment, the proposed action is not subject to CEQA (Section 15061(b)(3) of the State CEQA Guidelines).

The CEQA determination is: Determine that the proposed action is not subject to CEQA pursuant to Sections 15378(b)(2) and 15061(b)(3) of the State CEQA Guidelines.

CEQA determination for Option #2:

None required

Board Options

Option #1

- approve the proposed adjustments to Metropolitan’s Water Supply Allocation Plan; and
- approve the proposed allocation of seawater barrier supplies.

Fiscal Impact: None

Business Analysis: Approving the proposed adjustments would address the major issues identified for refinement in the 12-month review process. Specifically the proposed adjustments would help clarify data requirements and accounting, alleviate potential confusion in public messaging regarding the size of required reductions, provide consistency in methodology across all shortage levels, lessen disincentives for member agencies to develop Extraordinary Supplies, protect agencies with lower per capita water use from
disproportionately high levels of demand hardening, and allow the Board to determine appropriate allocations for seawater barrier demands separately from the WSAP.

**Option #2**

Do not approve the proposed adjustments to Metropolitan’s Water Supply Allocation Plan, and do not approve the proposed allocation of seawater barrier supplies.

**Fiscal Impact:** None

**Business Analysis:** Not approving the proposed adjustments maintains the existing Water Supply Allocation Plan formula

**Staff Recommendation**

Option #1

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**Attachment 1 – WSAP 12-Month Review Process Meeting Summary**

**Attachment 2 – Proposal to Include the Retail Impact Adjustment in Regional Shortage Level 1 and Level 2**

**Attachment 3 – Proposal to Revise the Extraordinary Supply Methodology**

**Attachment 4 – Proposal to Include a Minimum Per Capita Water Use Threshold**

**Attachment 5 – Proposal to Exclude Seawater Barrier Supplies from the WSAP Formula**

**Attachment 6 – Comparison of 2010/11 WSAP Allocations with Proposed Adjustments**

Ref# wrm12606248
# WSAP 12-Month Review Process Meeting Summary

**Meetings with Member Agencies to Discuss Issues from 2009/10 Water Supply**

<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 13, 2010</td>
<td>WSAP 12-Month Review Workshop #1</td>
<td>First meeting of the WSAP 12-Month Review process; focused discussion of WSAP issues identified by Metropolitan staff and by member agencies since 2009/10 WSAP implementation</td>
</tr>
<tr>
<td>February 1, 2010</td>
<td>WSAP 12-Month Review Workshop #2</td>
<td>Continuation of prior workshop</td>
</tr>
<tr>
<td>February 18, 2010</td>
<td>WSAP 12-Month Review Workshop #3</td>
<td>Continuation of prior workshop</td>
</tr>
<tr>
<td>March 1, 2010</td>
<td>WSAP 12-Month Review Workshop #4</td>
<td>Continuation of prior workshop</td>
</tr>
<tr>
<td>April 8, 2010</td>
<td>WSAP 12-Month Review Workshop #5</td>
<td>WSAP 12-Month Review process: Recap of identified issues and discussion of Metropolitan staff proposals for changes to the WSAP</td>
</tr>
<tr>
<td>April 16, 2010</td>
<td>Member Agency Managers Meeting</td>
<td>Update on the WSAP 12-Month Review process</td>
</tr>
<tr>
<td>April 19, 2010</td>
<td>WSAP 12-Month Review Workshop #6</td>
<td>Discussion of WSAP issues related to replenishment</td>
</tr>
<tr>
<td>April 23, 2010</td>
<td>Member Agency Managers Conference Call</td>
<td>Clarification of WSAP definition for Extraordinary Supply</td>
</tr>
<tr>
<td>May 14, 2010</td>
<td>Member Agency Managers Meeting</td>
<td>Discussion of Extraordinary Supply proposed policy principles and WSAP Local Supply Certification process</td>
</tr>
<tr>
<td>May 21, 2010</td>
<td>Member Agency Managers Conference Call</td>
<td>Discussion of Extraordinary Supply proposed policy principles</td>
</tr>
</tbody>
</table>
Proposal to Include the Retail Impact Adjustment in Regional Shortage Level 1 and Level 2

Under the current WSAP formula, the Retail Impact Adjustment is not included in Regional Shortage Level 1 and Level 2. The purpose of the Retail Impact Adjustment is to provide additional allocation to agencies based upon their dependence on Metropolitan and avoid disparate retail-level impacts around the service area.

The proposed adjustment to the WSAP formula is to include the Retail Impact Adjustment in Regional Shortage Level 1 and Level 2. This change would provide additional allocation to agencies based on retail level need in Shortage Level 1 and Level 2.

In the 2010/11 WSAP Allocation Year, this adjustment would result in approximately 56,000 acre-feet of total additional allocation at the current Level 2 implementation. The following table shows the Level 2 allocation by Member Agency with and without the retail impact adjustment, as well as the net change for each agency. The allocations shown below are based on local supply estimates as of June 1, 2010, and do not include any of the other proposed adjustments.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaheim</td>
<td>29,417</td>
<td>30,088</td>
<td>670</td>
</tr>
<tr>
<td>Beverly Hills</td>
<td>10,927</td>
<td>11,437</td>
<td>510</td>
</tr>
<tr>
<td>Burbank</td>
<td>11,296</td>
<td>11,595</td>
<td>298</td>
</tr>
<tr>
<td>Calleguas</td>
<td>102,708</td>
<td>106,638</td>
<td>3,930</td>
</tr>
<tr>
<td>Central Basin</td>
<td>68,584</td>
<td>69,715</td>
<td>1,131</td>
</tr>
<tr>
<td>Compton</td>
<td>3,206</td>
<td>3,268</td>
<td>63</td>
</tr>
<tr>
<td>Eastern</td>
<td>98,339</td>
<td>101,144</td>
<td>2,805</td>
</tr>
<tr>
<td>Foothill</td>
<td>10,270</td>
<td>10,580</td>
<td>310</td>
</tr>
<tr>
<td>Fullerton</td>
<td>13,355</td>
<td>13,683</td>
<td>328</td>
</tr>
<tr>
<td>Glendale</td>
<td>19,722</td>
<td>20,421</td>
<td>699</td>
</tr>
<tr>
<td>Inland Empire</td>
<td>68,970</td>
<td>70,084</td>
<td>1,114</td>
</tr>
<tr>
<td>Las Virgenes</td>
<td>20,853</td>
<td>21,947</td>
<td>1,094</td>
</tr>
<tr>
<td>Long Beach</td>
<td>34,505</td>
<td>35,443</td>
<td>938</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>320,406</td>
<td>328,867</td>
<td>8,461</td>
</tr>
<tr>
<td>MWDOC</td>
<td>230,707</td>
<td>236,987</td>
<td>6,280</td>
</tr>
<tr>
<td>Pasadena</td>
<td>24,765</td>
<td>25,673</td>
<td>908</td>
</tr>
<tr>
<td>SDCWA</td>
<td>455,379</td>
<td>470,837</td>
<td>15,458</td>
</tr>
<tr>
<td>San Fernando</td>
<td>322</td>
<td>324</td>
<td>2</td>
</tr>
<tr>
<td>San Marino</td>
<td>1,516</td>
<td>1,541</td>
<td>24</td>
</tr>
<tr>
<td>Santa Ana</td>
<td>19,075</td>
<td>19,524</td>
<td>448</td>
</tr>
<tr>
<td>Santa Monica</td>
<td>12,316</td>
<td>12,769</td>
<td>452</td>
</tr>
<tr>
<td>Three Valleys</td>
<td>64,796</td>
<td>66,872</td>
<td>2,076</td>
</tr>
<tr>
<td>Torrance</td>
<td>19,976</td>
<td>20,889</td>
<td>913</td>
</tr>
<tr>
<td>Upper San Gabriel</td>
<td>32,499</td>
<td>32,839</td>
<td>340</td>
</tr>
<tr>
<td>West Basin</td>
<td>129,562</td>
<td>135,025</td>
<td>5,462</td>
</tr>
<tr>
<td>Western</td>
<td>105,674</td>
<td>107,356</td>
<td>1,683</td>
</tr>
<tr>
<td>MWD Total</td>
<td>1,909,147</td>
<td>1,965,544</td>
<td>56,398</td>
</tr>
</tbody>
</table>
Proposal to Revise the Extraordinary Supply Methodology

Under the current WSAP formula, a percentage of all Extraordinary Supplies are “shared” with the region based upon the Regional Shortage Level; the following table shows the Extraordinary Supply Percentage at each Shortage Level. The Extraordinary Supply Percentage is the amount of an Extraordinary Supply that is included in the WSAP formula to determine each agency’s Wholesale Minimum Allocation from Metropolitan.

<table>
<thead>
<tr>
<th>Regional Shortage Level</th>
<th>Extraordinary Supply Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0%</td>
</tr>
<tr>
<td>2</td>
<td>0%</td>
</tr>
<tr>
<td>3</td>
<td>15%</td>
</tr>
<tr>
<td>4</td>
<td>20%</td>
</tr>
<tr>
<td>5</td>
<td>25%</td>
</tr>
<tr>
<td>6</td>
<td>30%</td>
</tr>
<tr>
<td>7</td>
<td>35%</td>
</tr>
<tr>
<td>8</td>
<td>40%</td>
</tr>
<tr>
<td>9</td>
<td>45%</td>
</tr>
<tr>
<td>10</td>
<td>50%</td>
</tr>
</tbody>
</table>

The proposed adjustment to the WSAP removes the Extraordinary Supply Percentage from the allocation formula. Under this proposal, Extraordinary Supplies would no longer be used in calculating an agency’s Wholesale Minimum Allocation from Metropolitan. In other words, Extraordinary Supplies would no longer be “shared” with the region at any of the Regional Shortage Levels.

The proposed adjustment would also revise the current formula to include the full amount of Extraordinary Supplies in the calculation of an agency’s Allocation Year Dependence on Metropolitan. This adjustment serves to more accurately reflect an agency’s true need for Metropolitan supplies in the Retail Impact Adjustment.

Another aspect of the proposed adjustment is to remove the Base Period Local Supply threshold provision from the WSAP formula. Under the current WSAP formula, agencies must produce as much local supplies in the Allocation Year as they did in the Base Period in order for Extraordinary Supplies to be accounted in the formula as Extraordinary.

The table below shows the net gain that an agency would receive from procuring 10,000 acre-feet of Extraordinary Supply at each of the Regional Shortage Levels. The value of the 10,000 acre-feet is shown under both the current and proposed formulas; the net change between the two methodologies is shown in the far right column. This analysis assumes that the agency in this example meets the Base Period Local Supply threshold provision under the current methodology, and that the entire 10,000 acre-feet qualify as Extraordinary Supply. This example is based on an agency that has 100,000 acre-feet of Allocation Year Retail Demand and is 50 percent dependent on Metropolitan. The results shown below do not include any of the other proposed adjustments.
<table>
<thead>
<tr>
<th>Regional Shortage Level</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10,000</td>
<td>10,000</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>10,000</td>
<td>10,000</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>8,727</td>
<td>9,625</td>
<td>898</td>
</tr>
<tr>
<td>4</td>
<td>8,404</td>
<td>9,500</td>
<td>1,096</td>
</tr>
<tr>
<td>5</td>
<td>8,133</td>
<td>9,375</td>
<td>1,242</td>
</tr>
<tr>
<td>6</td>
<td>7,914</td>
<td>9,250</td>
<td>1,337</td>
</tr>
<tr>
<td>7</td>
<td>7,746</td>
<td>9,125</td>
<td>1,379</td>
</tr>
<tr>
<td>8</td>
<td>7,632</td>
<td>9,000</td>
<td>1,368</td>
</tr>
<tr>
<td>9</td>
<td>7,571</td>
<td>8,875</td>
<td>1,304</td>
</tr>
<tr>
<td>10</td>
<td>7,563</td>
<td>8,750</td>
<td>1,188</td>
</tr>
</tbody>
</table>
Proposal to Include a Minimum Per Capita Water-Use Threshold

Under the current WSAP formula, there is no mechanism to adjust WSAP Allocations for Member Agencies with low per capita water use.

The proposed adjustment would create a minimum per capita water use threshold. Member agencies’ retail-level water use under the WSAP formula would be compared to two different thresholds. The proposed minimum thresholds are based upon compliance guidelines established under Senate Bill X7-7

- 100 GPCD total water use
- 55 GPCD residential water use

Agencies that fall below either threshold under the WSAP would receive additional allocation from Metropolitan to bring them up to the minimum GPCD water use level. If an agency qualified under both thresholds, the one resulting in the maximum allocation adjustment would be given.

This adjustment would result in almost 900 acre-feet of total additional allocation at the current Level 2 implementation. The table below shows the Level 2 allocation by member agency with and without the Minimum Per Capita Water Use Adjustment, as well as the net change for each agency.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaheim</td>
<td>29,417</td>
<td>29,417</td>
<td>0</td>
</tr>
<tr>
<td>Beverly Hills</td>
<td>10,927</td>
<td>10,927</td>
<td>0</td>
</tr>
<tr>
<td>Burbank</td>
<td>11,296</td>
<td>11,296</td>
<td>0</td>
</tr>
<tr>
<td>Calleguas</td>
<td>102,708</td>
<td>102,708</td>
<td>0</td>
</tr>
<tr>
<td>Central Basin</td>
<td>68,584</td>
<td>68,584</td>
<td>0</td>
</tr>
<tr>
<td>Compton</td>
<td>3,206</td>
<td>4,075</td>
<td>869</td>
</tr>
<tr>
<td>Eastern</td>
<td>98,339</td>
<td>98,339</td>
<td>0</td>
</tr>
<tr>
<td>Foothill</td>
<td>10,270</td>
<td>10,270</td>
<td>0</td>
</tr>
<tr>
<td>Fullerton</td>
<td>13,355</td>
<td>13,355</td>
<td>0</td>
</tr>
<tr>
<td>Glendale</td>
<td>19,722</td>
<td>19,722</td>
<td>0</td>
</tr>
<tr>
<td>Inland Empire</td>
<td>68,970</td>
<td>68,970</td>
<td>0</td>
</tr>
<tr>
<td>Las Virgenes</td>
<td>20,853</td>
<td>20,853</td>
<td>0</td>
</tr>
<tr>
<td>Long Beach</td>
<td>34,505</td>
<td>34,505</td>
<td>0</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>320,406</td>
<td>320,406</td>
<td>0</td>
</tr>
<tr>
<td>MWDOC</td>
<td>230,707</td>
<td>230,707</td>
<td>0</td>
</tr>
<tr>
<td>Pasadena</td>
<td>24,765</td>
<td>24,765</td>
<td>0</td>
</tr>
<tr>
<td>SDCWA</td>
<td>455,379</td>
<td>455,379</td>
<td>0</td>
</tr>
<tr>
<td>San Fernando</td>
<td>322</td>
<td>322</td>
<td>0</td>
</tr>
<tr>
<td>San Marino</td>
<td>1,516</td>
<td>1,516</td>
<td>0</td>
</tr>
<tr>
<td>Santa Ana</td>
<td>19,075</td>
<td>19,075</td>
<td>0</td>
</tr>
<tr>
<td>Santa Monica</td>
<td>12,316</td>
<td>12,316</td>
<td>0</td>
</tr>
<tr>
<td>Three Valleys</td>
<td>64,796</td>
<td>64,796</td>
<td>0</td>
</tr>
<tr>
<td>Torrance</td>
<td>19,976</td>
<td>19,976</td>
<td>0</td>
</tr>
<tr>
<td>Upper San Gabriel</td>
<td>32,499</td>
<td>32,499</td>
<td>0</td>
</tr>
<tr>
<td>West Basin</td>
<td>129,562</td>
<td>129,562</td>
<td>0</td>
</tr>
<tr>
<td>Western</td>
<td>105,674</td>
<td>105,674</td>
<td>0</td>
</tr>
<tr>
<td>MWD Total</td>
<td>1,909,147</td>
<td>1,910,016</td>
<td>869</td>
</tr>
</tbody>
</table>
The following table shows the total impact of including a minimum per capita water use threshold under each Regional Shortage Level. The maximum credit that would be given under the proposal would be just over 12,000 acre-feet in a Regional Shortage Level 10. The allocations shown in this analysis are based on local supply estimates as of June 1, 2010, and do not include any of the other proposed adjustments.

<table>
<thead>
<tr>
<th>Regional Shortage Level</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>621</td>
<td>621</td>
</tr>
<tr>
<td>2</td>
<td>0</td>
<td>869</td>
<td>869</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>1,024</td>
<td>1,024</td>
</tr>
<tr>
<td>4</td>
<td>0</td>
<td>1,241</td>
<td>1,241</td>
</tr>
<tr>
<td>5</td>
<td>0</td>
<td>1,458</td>
<td>1,458</td>
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<tr>
<td>6</td>
<td>0</td>
<td>1,675</td>
<td>1,675</td>
</tr>
<tr>
<td>7</td>
<td>0</td>
<td>2,764</td>
<td>2,764</td>
</tr>
<tr>
<td>8</td>
<td>0</td>
<td>4,205</td>
<td>4,205</td>
</tr>
<tr>
<td>9</td>
<td>0</td>
<td>7,564</td>
<td>7,564</td>
</tr>
<tr>
<td>10</td>
<td>0</td>
<td>12,419</td>
<td>12,419</td>
</tr>
</tbody>
</table>
Proposal to Exclude Seawater Barrier Supplies from the WSAP Formula

Under the current WSAP formula, seawater barrier purchases from Metropolitan are included in the calculation of Base Period Local Supplies.

This proposal would remove seawater barrier purchases from the Base Period calculation and create a separate allocation for seawater barrier demands. This change would allow the Board to determine allocation of barrier demands separately from WSAP.

Seawater Barrier purchases from Metropolitan averaged just over 25,000 acre-feet per year during the 2004/06 Base Period. The following table shows the averages for the three agencies that purchased seawater barrier supplies from Metropolitan during the base period.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Base Period Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Beach</td>
<td>3,456</td>
</tr>
<tr>
<td>MWDOC</td>
<td>8,461</td>
</tr>
<tr>
<td>West Basin</td>
<td>13,195</td>
</tr>
<tr>
<td>MWD Total</td>
<td>25,111</td>
</tr>
</tbody>
</table>

In the 2010/11 WSAP Allocation Year, this adjustment would result in a 22,000-acre-foot reduction in the total allocation at the current Level 2 implementation. The following table compares the Level 2 allocation by member agency under the current formula with what it would be with the proposed exclusion of seawater barrier supplies, and shows the net change for each agency in the far-right column. Because the proposal includes a provision that seawater barrier demands be allocated separately, the figures shown below may not represent an actual reduction in demands on Metropolitan. Ultimately, the net impact on Metropolitan will depend upon how the Board chooses to allocate supplies to seawater barrier demands.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaheim</td>
<td>29,417</td>
<td>29,417</td>
<td>0</td>
</tr>
<tr>
<td>Beverly Hills</td>
<td>10,927</td>
<td>10,927</td>
<td>0</td>
</tr>
<tr>
<td>Burbank</td>
<td>11,296</td>
<td>11,296</td>
<td>0</td>
</tr>
<tr>
<td>Calleguas</td>
<td>102,708</td>
<td>102,708</td>
<td>0</td>
</tr>
<tr>
<td>Central Basin</td>
<td>68,584</td>
<td>68,584</td>
<td>0</td>
</tr>
<tr>
<td>Compton</td>
<td>3,206</td>
<td>3,206</td>
<td>0</td>
</tr>
<tr>
<td>Eastern</td>
<td>98,339</td>
<td>98,339</td>
<td>0</td>
</tr>
<tr>
<td>Foothill</td>
<td>10,270</td>
<td>10,270</td>
<td>0</td>
</tr>
<tr>
<td>Fullerton</td>
<td>13,355</td>
<td>13,355</td>
<td>0</td>
</tr>
<tr>
<td>Glendale</td>
<td>19,722</td>
<td>19,722</td>
<td>0</td>
</tr>
<tr>
<td>Inland Empire</td>
<td>68,970</td>
<td>68,970</td>
<td>0</td>
</tr>
<tr>
<td>Las Virgenes</td>
<td>20,853</td>
<td>20,853</td>
<td>0</td>
</tr>
<tr>
<td>Long Beach</td>
<td>34,505</td>
<td>31,453</td>
<td>(3,052)</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>320,406</td>
<td>320,406</td>
<td>0</td>
</tr>
<tr>
<td>MWDOC</td>
<td>230,707</td>
<td>223,148</td>
<td>(7,559)</td>
</tr>
<tr>
<td>Pasadena</td>
<td>24,765</td>
<td>24,765</td>
<td>0</td>
</tr>
<tr>
<td>SDCWA</td>
<td>455,379</td>
<td>455,379</td>
<td>0</td>
</tr>
<tr>
<td>San Fernando</td>
<td>322</td>
<td>322</td>
<td>0</td>
</tr>
<tr>
<td>San Marino</td>
<td>1,516</td>
<td>1,516</td>
<td>0</td>
</tr>
<tr>
<td>Santa Ana</td>
<td>19,075</td>
<td>19,075</td>
<td>0</td>
</tr>
<tr>
<td>Santa Monica</td>
<td>12,316</td>
<td>12,316</td>
<td>0</td>
</tr>
</tbody>
</table>
The following table shows the total impact of removing seawater barrier purchases from the WSAP formula at each Regional Shortage Level. The maximum impact of this proposal would be just over 24,000 acre-feet in a Regional Shortage Level 1. The allocations shown in this analysis are based on local supply estimates as of June 1, 2010, and do not include any of the other proposed adjustments.

<table>
<thead>
<tr>
<th>Regional Shortage Level</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>24,046</td>
<td>0</td>
<td>(24,046)</td>
</tr>
<tr>
<td>2</td>
<td>22,177</td>
<td>0</td>
<td>(22,177)</td>
</tr>
<tr>
<td>3</td>
<td>21,916</td>
<td>0</td>
<td>(21,916)</td>
</tr>
<tr>
<td>4</td>
<td>20,583</td>
<td>0</td>
<td>(20,583)</td>
</tr>
<tr>
<td>5</td>
<td>19,251</td>
<td>0</td>
<td>(19,251)</td>
</tr>
<tr>
<td>6</td>
<td>17,918</td>
<td>0</td>
<td>(17,918)</td>
</tr>
<tr>
<td>7</td>
<td>16,585</td>
<td>0</td>
<td>(16,585)</td>
</tr>
<tr>
<td>8</td>
<td>15,253</td>
<td>0</td>
<td>(15,253)</td>
</tr>
<tr>
<td>9</td>
<td>13,920</td>
<td>0</td>
<td>(13,920)</td>
</tr>
<tr>
<td>10</td>
<td>12,587</td>
<td>0</td>
<td>(12,587)</td>
</tr>
</tbody>
</table>
Comparison of 2010/11 WSAP Allocations with Proposed Adjustments

This attachment summarizes the net impact that would result from implementing all of the proposed adjustments to the WSAP:

- Include the Retail Impact Adjustment in Regional Shortage Level 1 and Level 2
- Revise the Extraordinary Supply Methodology
- Include a Minimum Per Capita Water Use Threshold
- Exclude Seawater Barrier Deliveries from the WSAP Formula
- Allocate supplies to meet 100 percent of estimated seawater barrier demands on Metropolitan for the 2010/11 allocation year

For the 2010/11 WSAP Allocation Year, the impact of all of the proposed adjustments would be an increase of approximately 34,000 acre-feet in the total amount of water allocated under the current Level 2 implementation. Providing an allocation of Metropolitan supplies sufficient to meet 100 percent of the estimated seawater barrier demands would add an additional 16,000 acre-feet; for a net increase of nearly 50,000 acre-feet. The following table shows the Level 2 allocation by member agency under the current formula and with all of the proposed adjustments. The net change for each agency is shown in the far-right column. The allocations shown below are based on local supply estimates as of June 1, 2010.

<table>
<thead>
<tr>
<th>Member Agency</th>
<th>Current Methodology</th>
<th>Proposed Methodology</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anaheim</td>
<td>29,417</td>
<td>30,088</td>
<td>671</td>
</tr>
<tr>
<td>Beverly Hills</td>
<td>10,927</td>
<td>11,437</td>
<td>510</td>
</tr>
<tr>
<td>Burbank</td>
<td>11,296</td>
<td>11,595</td>
<td>299</td>
</tr>
<tr>
<td>Calleguas</td>
<td>102,708</td>
<td>106,638</td>
<td>3,930</td>
</tr>
<tr>
<td>Central Basin</td>
<td>68,584</td>
<td>69,715</td>
<td>1,131</td>
</tr>
<tr>
<td>Compton</td>
<td>3,206</td>
<td>4,075</td>
<td>869</td>
</tr>
<tr>
<td>Eastern</td>
<td>98,339</td>
<td>101,144</td>
<td>2,805</td>
</tr>
<tr>
<td>Foothill</td>
<td>10,270</td>
<td>10,580</td>
<td>310</td>
</tr>
<tr>
<td>Fullerton</td>
<td>13,355</td>
<td>13,683</td>
<td>328</td>
</tr>
<tr>
<td>Glendale</td>
<td>19,722</td>
<td>20,421</td>
<td>699</td>
</tr>
<tr>
<td>Inland Empire</td>
<td>68,970</td>
<td>70,084</td>
<td>1,114</td>
</tr>
<tr>
<td>Las Virgenes</td>
<td>20,853</td>
<td>21,947</td>
<td>1,094</td>
</tr>
<tr>
<td>Long Beach</td>
<td>34,505</td>
<td>35,564</td>
<td>1,059</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>320,406</td>
<td>328,867</td>
<td>8,461</td>
</tr>
<tr>
<td>MWDOC</td>
<td>230,707</td>
<td>229,410</td>
<td>-1,297</td>
</tr>
<tr>
<td>Pasadena</td>
<td>24,765</td>
<td>25,673</td>
<td>908</td>
</tr>
<tr>
<td>SDCWA</td>
<td>455,379</td>
<td>470,837</td>
<td>15,458</td>
</tr>
<tr>
<td>San Fernando</td>
<td>322</td>
<td>324</td>
<td>2</td>
</tr>
<tr>
<td>San Marino</td>
<td>1,516</td>
<td>1,541</td>
<td>24</td>
</tr>
<tr>
<td>Santa Ana</td>
<td>19,075</td>
<td>19,524</td>
<td>448</td>
</tr>
<tr>
<td>Santa Monica</td>
<td>12,316</td>
<td>12,769</td>
<td>452</td>
</tr>
<tr>
<td>Three Valleys</td>
<td>64,796</td>
<td>66,872</td>
<td>2,076</td>
</tr>
<tr>
<td>Torrance</td>
<td>19,976</td>
<td>20,889</td>
<td>913</td>
</tr>
<tr>
<td>Upper San Gabriel</td>
<td>32,499</td>
<td>32,839</td>
<td>340</td>
</tr>
<tr>
<td>West Basin</td>
<td>129,562</td>
<td>135,231</td>
<td>5,669</td>
</tr>
<tr>
<td>Western</td>
<td>105,674</td>
<td>107,356</td>
<td>1,683</td>
</tr>
<tr>
<td>MWD Total</td>
<td>1,909,147</td>
<td>1,959,103</td>
<td>49,956</td>
</tr>
</tbody>
</table>
ITEM 13.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

LONG RANGE FINANCIAL PROJECTIONS
ITEM 14.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
AGENDA
SPECIAL MEETING OF THE BOARD OF WATER COMMISSIONERS
LUNCHEON MEETING WITH STATE & FEDERAL ADVOCACY MEMBERS
THURSDAY, NOVEMBER 15, 2018
11:00 A. M.
LONG BEACH AIRPORT MARRIOTT TERRACE GRILLE
4700 AIRPORT PLAZA DRIVE, LONG BEACH, CA

- 11:00 A.M. CALL TO ORDER – GLORIA CORDERO, PRESIDENT, BOARD OF WATER COMMISSIONERS
- GENERAL DISCUSSION OF FEDERAL AND STATE ADVOCACY ISSUES AND STRATEGIES WITH CONTRACTED CONSULTANTS
- PUBLIC COMMENT
- ADJOURNMENT

Written materials relating to any item on the Commission's agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.
If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.

Kung ang pasalitang pagsasalin-wika para sa mga taong hindi nagsasalita ng Ingles ay hinahangad o kung ang isang natatanging kaluwagan ay hinahangad alinsunod sa Batas sa mga Amerikanong May Kapansanan, mangyaring gawin ang iyong kahilingan sa pagpasisipan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 oras bago ang pulong ng Komisyon sa Karta.

Si desea una interpretación en otro idioma para las personas que no hablan inglés o si se desea una adaptación especial de acuerdo con la Ley de Estadounidenses con Discapacidad, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión de Estatutos.
AGENDA
BOARD OF WATER COMMISSIONERS
SPECIAL MEETING OF THURSDAY, NOVEMBER 15, 2018, AT 8:30 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

1. Pledge of Allegiance

2. Closed Session
Pursuant to Section 54957.6 of the California Government Code regarding labor negotiations with represented employees: Board Designated representative: Christopher J. Garner; Employee Organizations: Association of Long Beach Employees; Long Beach Supervisors Employees Association; and International Association of Machinists and Aerospace Workers, Local Lodge 1930 District Lodge 947.

3. Public Comment:

      GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

4. Update on California Data Collaborative
   • Patrick Atwater, Project Manager, California Data Collaborative
   • Joone Lopez, General Manager, Moulton Niguel Water District

5. Federal & State Legislative Reports
   • Lana J. Haddad, Director of Government & Public Affairs

6. Approval of Minutes – September 6, 2018

7. Finance Standing Committee report for November 9, 2018 meeting
   • Commissioner Harry Saltzgaver, Chair

8. President’s Report
   • Gloria Cordero, President, Board of Water Commissioners

9. General Manager’s Report
   • Christopher J. Garner, General Manager

10. Consider the establishment of a temporary committee consisting of two members of the Board of Water Commissioners for the limited purpose of reviewing and revising Board policies regarding expenditures of Water Department funds for the sponsorships and/or the promotion of community and civic activities, and matters related thereto, and if so established, authorize the President of the Board to immediately make appointments thereto
   • Richard Anthony, Deputy City Attorney
11. Authorization to sponsor the 16th Annual American Association of University Women (AAUW) Science, Technology, Engineering and Math (STEM) Conference held in Long Beach, California and the Long Beach City College (LBCC) Liberal Arts Campus on February 22, 2019. (Community Outreach/Education Annual Event).
   • Lana Haddad, Director of Government & Public Affairs

12. Report of the Metropolitan Water District (MWD) Board Meeting on November 6, 2018
   • Gloria Cordero, Metropolitan Water District Director

13. Consider Standing Committee Referrals
   • Gloria Cordero, President, Board of Water Commissioners

14. New Business

15. Adjournment to the special meeting of the Board of Water Commissioners and their State and Federal legislative advocacy consultants at 11:00 A.M. at the Marriott Airport Hotel, 4700 Airport Plaza Drive, Long Beach, Terrace Grille – Yeager Room.

Written materials relating to any item on the Commission’s agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807. If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.
If language translation of the Commission agenda and minutes for non-English speaking persons is desired please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Commission meeting.

Kung ang pagsasalin-wika ng adyenda at mga katitikan ng Komisyon ay hinahangad para sa mga taong hindi nagsasalita ng Ingles manyangang gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 pitong oras bago ang pulong ng Komisyon.

Si desea obtener la traducción lingüística de la agenda y las actas de la Comisión para las personas que no hablan inglés, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión.
ITEM. 2

CLOSED SESSION:

Pursuant to Section 54957.6 of the California Government Code regarding labor negotiations with represented employees. Board Designated representative: Christopher J. Garner; Employee Organizations: Association of Long Beach Employees; Long Beach Supervisors Employees Association; and International Association of Machinists and Aerospace Workers, Local Lodge 1930 District Lodge 947.
ITEM 4.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

UPDATE ON CALIFORNIA DATA COLLABORATIVE
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

FEDERAL & STATE LEGISLATIVE REPORTS
The Board of Water Commissioners of the City of Long Beach met in the Board Room at the Administration Building, 1800 E. Wardlow Road, Long Beach, California, on September 6, 2018.

The meeting was called to order at 9:00 a.m. by President Shannon.

1. PLEDGE OF ALLEGIANCE

President Shannon requested that the Commission, staff and audience stand and advised he would be calling for a moment of silence before the Pledge of Allegiance. He
called on Mr. Garner who reported that staff had just learned of the passing of Eric Swedlund of Carpi Clay, the department’s lobbyist from Washington, DC. President Shannon called for the moment of silence in memory of Mr. Swedlund.

He then called on Dani Krick, who led the Board and audience in the Pledge of Allegiance.

Mr. Garner then called on Ms. Krick to say a few words regarding her family’s military background. She also spoke about her recent appointment as Chaplain with the Martine Corps League Association to Detachment 17.

2. PUBLIC COMMENT

President Shannon opened the public comment period.

As there was no public comment, the public comment period was closed.

3. FINANCE STANDING COMMITTEE REPORT OF SEPTEMBER 6, 2018
   • Commissioner Harry Saltzgaver, Chair

Commissioner Saltzgaver, Chair of the Finance Standing Committee provided the following report of the September 6, 2018 Finance Committee:

• Committee reviewed the 3rd quarter financial report
• Reported on the status of the fund balances

Commissioner Martinez complimented staff for their efforts in preparing the 3rd quarter financial update.

President Shannon inquired if this report would have an effect on the need for the General Manager to come back to the Board for a budget adjustment.

Commissioner Saltzgaver advised at this time they did not anticipate that the results of this report would be cause for a budget adjustment. He noted the final budget report for the fiscal year would be available in late November.

President Shannon called for any other Commissioner comments.

Commissioner Levine inquired about the past report from the Auditor related to excessive reserves, and requested that Commissioner Saltzgaver comment regarding this issue.

Commissioner Saltzgaver reported the current reserve policy was established to address these types of concerns.

President Shannon called for any public comment. Hearing none he moved on in the agenda.
4. **PRESIDENT’S REPORT**
   - Robert Shannon, President, Board of Water Commissioners

   President Shannon advised he did not have a report.

5. **GENERAL MANAGER’S REPORT**
   - Christopher J. Garner, General Manager

   President Shannon called on Mr. Garner for his report.

**FY 18/19 COUNCIL BUDGET APPROVAL**

Mr. Garner reported the City Council had adopted the Long Beach Water Department budget and rates for FY 18/19.

**PRESENTATION REGARDING AMERICAN ASSOCIATION OF UNIVERSITY WOMEN (AAUW)**

Ms. Haddad provided introductory comments regarding AAUW:

She noted AAUW is an organization dedicated to empowering women and has been in existence for more than 130 years.

She outlined their three strategic initiatives as follows:
- Education and Training
- Economic Security
- Leadership

She advised that AAUW also offers several programs, including research, on campus initiatives, STEM education, public policy, case support, educational funding, and salary negotiations. She advised they also work globally, and provide leadership development training to their members.

Ms. Haddad reported that in late July, she had received a call from Mary Lamo-Putnam, from the local LB chapter of AAUW. She advised that after another call with her, Frances Rozner and Raquel Sanchez, she asked and they graciously agreed to come and present to this Board about the wonderful work that they are doing in the community, particularly with STEM education in our Title I schools.

Ms. Rozner provided a presentation on behalf of AAUW.

President Shannon called for any public comment. Hearing none he called for Commissioner comments.
Commissioner Levine advised he thought it was exciting that LBWD would be co-sponsoring the upcoming conference. He questioned if this sponsorship had come before the Board for a vote.

Ms. Haddad responded that first the Board was being provided with this presentation, and that AAUW would be asked to complete the sponsorship application, which would then be brought back to the Board at a later meeting for consideration.

Commissioner Martinez related a personal story regarding his daughter’s experience with AAUW.

**KAYLEE WEATHERLY ACCREDITATION IN PUBLIC RELATIONS (APR)**

Ms. Haddad highlighted a very significant achievement in Ms. Weatherly’s career. She announced that in July, Ms. Weatherly had earned her accreditation in public relations. She noted this internationally recognized accreditation is held by only the top twenty percent of communications professionals. She advised that Ms. Weatherly had dedicated countless hours of study outside her already demanding workload to achieve her APR - over six months of rigorous study and attendance at a study group in Orange County, successfully completing an oral presentation to a panel of APRs (similar to the T-5 testing process), in addition to a final examination preceded this accreditation. She noted that earning her APR demonstrates Ms. Weatherly’s drive for excellence, her professional acumen and alignment with best communication practices, an uncompromising commitment to ethics, and her dedication to lifelong learning.

She added that she was so impressed how Ms. Weatherly continues to elevate the bar when it comes to representing Long Beach Water.

She asked the Board and staff to join her in congratulating Kaylee on passing her Accreditation in Public Relations (APR) exam today.

Ms. Weatherly received a round of applause, and made comments regarding her achievement.

**FALL COMMUNITY ENGAGEMENT LIST OF EVENTS**

Mr. Garner advised the Board that a copy of the fall community engagement list of events from the Government and Public Affairs group was in their cubby folders.

**LETTERS SENT TO GOVERNOR BROWN REGARDING AB 2050 & SB 998**

Mr. Garner also reported to the Board that copies of letters that had been sent to the Governor regarding AB 2050 and SB 998 were in their cubby folders.
6. **VERBAL PRESENTATION REGARDING CLIMATE ADAPTATION AND ACTION PLAN**
   - Alison Spindler, AICP - Planner & Budget Specialist

   President Shannon introduced agenda item 6. Ms. Haddad made introductory remarks and introduced Ms. Spindler and her Planning Manager, Christopher Koontz.

   Note: President Shannon left the meeting at 9:28 A.M.
   Note: President Shannon returned to the meeting 9:30 A.M.

   Note: Mr. Garner left the meeting at 9:34 A.M.
   Note: Mr. Garner returned to the meeting at 9:36 A.M.

   Note: Commissioner Levine left the meeting at 9:42 A.M.
   Note: Commissioner Levine returned to the meeting at 9:45 AM.

   Ms. Spindler provided a presentation to the Board regarding the City of Long Beach Climate Adaptation and Action Plan.

   President Shannon called for any public comment. Hearing none he called for any Commissioner comments.

   There was general discussion held by the Board regarding the presentation and report.

7. **OVERVIEW OF BUSINESS OUTREACH EFFORTS FOR CONTRACTS**
   - Sandy Tsang-Palmer, City of Long Beach Purchasing and Business Services Manager

   President Shannon introduced agenda item 7. and called on Mr. Falagan for opening remarks.

   Mr. Falagan noted this report was in response to previous Board requests regarding the department’s outreach to local businesses. He introduced Ms. Tsang-Palmer who provided the following report that covered these components:

   - Regulatory environment that is part of procedures for all City contracts
     - Requirement to award to lowest responsive and responsible bidder or “best value” proposer.
     - Federal funding may require the City or its contractors to comply with particular requirements.
     - California law prohibits both discrimination and preferential treatment on the basis of race or gender.
• Local business outreach supports diversity
  o 41.9% of Long Beach businesses are women-owned.
  o 57.5% of Long Beach businesses are minority-owned.
  o 7.3% of Long Beach businesses are veteran-owned.

Note: Commissioner Saltzgaver left the meeting at 10:00 A.M.
Note: Commissioner Saltzgaver returned to the meeting at 10:03 A.M.

• Leveraging technology
  o Critical improvements to online bid management system have been made.
  o Registered businesses receive electronic notifications for relevant procurements.
  o These improvements allow the City to best match local businesses with City procurement opportunities.
  o In addition, in-person targeted outreach takes place at local business events.

• Growing local business database
  o Partnership with Economic Development to develop and distribute outreach materials to recruit local businesses to register/update their information
  o Materials will be distributed to/via City public counters; local business districts; Long Beach Chamber of Commerce; Regional Hispanic Chamber of Commerce and Black Business Association

• Plans for continued improvements
  o Ms. Tsang-Palmer provided future plans.

President Shannon called for any public comment regarding the report. Hearing none he called for any Commissioner comments.

Commissioner Martinez recommended that Ms. Tsang-Palmer reach out to the Veterans in Business (VIB) group to have them included in the database.

Ms. Tsang-Palmer thanked Commissioner Martinez for this reference, and advised that staff would reach out to this group.

Hearing no further comments, President Shannon moved on in the agenda.

8. AUTHORIZATION TO ATTEND THE LONG BEACH AREA CHAMBER OF COMMERCE 2018 STATE OF THE COUNTY LUNCHEON ON THURSDAY, NOVEMBER 29, 2018 AT THE LONG BEACH CONVENTION CENTER
  • Christopher J Garner, General Manager

President Shannon introduced agenda item 8. and called on Mr. Garner for a staff report.
Mr. Garner provided background information regarding the event sponsorship request.

Commissioner Saltzgaver made a motion to approve a sponsorship in the amount of $1,495.00 for a table of ten for the Long Beach Area Chamber of Commerce 2018 State of the County Luncheon on Thursday, November 29, 2018 at the Long Beach Convention Center. Commissioner Martinez seconded the motion.

President Shannon inquired about the price for an individual ticket.

Mr. Garner responded that individual tickets are $75.00.

President Shannon inquired if the Board would be able to purchase a table of ten for $750.00.

Mr. Garner advised this was probably possible.

President Shannon then called for any other Commissioner comments.

Commissioner Levine inquired if we would be able to fill a table of ten.

Mr. Garner advised it would depend on how many Commissioners would be attending the ACWA fall conference in San Diego, CA that occurs on the same date as the luncheon.

Ms. Fox confirmed that as of this date she did not have any Commissioners confirmed to attend the ACWA conference.

Commissioner Saltzgaver advised he would be planning to attend the luncheon. He commented on the opportunity of the advantage of having a table at this type of community event which affords the department more visibility, rather than a purchase of individual tickets.

President Shannon called for any further Commissioner comments. Hearing none he called for any public comment.

President Shannon then called for the vote. The motion carried with a 4 yes, 1 absent vote.

9. APPROVAL OF SPONSORSHIP OF THE HISTORICAL SOCIETY OF LONG BEACH 23RD ANNUAL CEMETERY TOUR IN THE AMOUNT OF $1,500

- Christopher J Garner, General Manager

President Shannon introduced agenda item 9. and called on Mr. Garner for a staff report.

Mr. Garner provided background information regarding the requested sponsorship and event.
President Shannon requested background information regarding the LBWD employee the Historical Society would be highlighting at the event. Mr. Garner provided this information.

President Shannon called for public comment. Hearing none he called for any Commissioner comments.

Commissioner Levine made a motion to approve a sponsorship in the amount of $1,500 for the Historical Society of Long Beach 23rd Annual Cemetery tour.

Commissioner Levine commented on the substantial amount of publicity the department received from past participation in this event.

President Shannon called for a second. Commissioner Martinez seconded the motion.

President Shannon called for any further Commissioner comments.

Commissioner Saltzgaver thanked Ms. Haddad and Ms. Weatherly for becoming more involved with this organization and the involvement of the LBWD at this event.

President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

10. AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN AGREEMENT WITH STANTEC TO PROVIDE PROFESSIONAL SERVICES TO DEVELOP A WEST LONG BEACH ADVANCED TREATED RECYCLED WATER FEASIBILITY STUDY IN AN AMOUNT NOT-TO-EXCEED $245,396
• B. Anatole Falagan, Assistant General Manager

President Shannon introduced agenda item 10. and called on Mr. Falagan for a staff report. Mr. Falagan advised Dean would provide the report.

Mr. Wang provided background information regarding the requested professional services agreement request.

President Shannon inquired who was on the selection committee for this bid.

Mr. Wang advised that in addition to himself, Jinny Huang from Engineering and a representative from the Port of Long Beach.

President Shannon asked if the decision by the selection committee had been unanimous.

Mr. Wang responded yes.

President Shannon called for any Commissioner comments.
Commissioner Martinez commented on the consultant proposal.

Commissioner Martinez made a motion to approve to authorize the General Manager to Execute an Agreement with Stantec to provide professional services to develop a West Long Beach Advanced Treated Recycled Water Feasibility Study in an amount not-to-exceed $245,396.

He inquired if it was feasible to reuse industrial water.

Mr. Wang responded that this would not be feasible for all users, but noted that a lot of the industrial water is consumed, and not available for reuse or recirculation.

Commissioner Martinez seconded the motion.

President Shannon called for any public comment. Hearing none he called for any additional Commissioner comments.

Commissioner Levine inquired if LBWD had looked at, and planned for potential emergency preparedness water sources.

Mr. Falagan advised that the department utilizes this type of water planning each year using any number of different scenarios and how the department would respond. He also noted that Metropolitan Water District also goes through this type of planning each year.

Commissioner Levine asked if staff was comfortable with this type of planning.

Mr. Falagan responded yes.

President Shannon called for any additional Commission comments. Hearing none, he called for the vote. The motion carried with a 4 yes, 1 vote.

11. ADOPT A SUPPORT POSITION, CONSISTENT WITH BOARD ADOPTED LEGISLATIVE PLATFORM, ON PROPOSITION 3: AUTHORIZES BONDS TO FUND PROJECTS FOR WATER SUPPLY AND QUALITY, WATERSHED, FISH, WILDLIFE, WATER CONVEYANCE, AND GROUNDWATER SUSTAINABILITY AND STORAGE
   • Lana Haddad, Director of Government & Public Affairs

President Shannon introduced agenda item 11. and called on Ms. Haddad for a staff report.
Ms. Haddad advised this agenda item was a follow-up to a previous presentation made by Matteo Crow to the Board of Water Commissioners. She provided background on Proposition 3, which she advised had qualified for the November 2018 ballot. She advised the previously board-approved policy platform is supportive of additional state funding for water-related needs, ranging from funding for urban water conservation to water infrastructure.

President Shannon called for any public comment. Hearing none he called for any Commissioner comments.

Commissioner Levine inquired if there were any critical Long Beach Water Department infrastructure projects that could be funded through this bond if it were to pass.

Ms. Haddad responded certainly, and also noted that the City of Long Beach could also have some projects, such as the LBMUST project that could benefit from this bond. She also mentioned other areas throughout the city that could also benefit with the passage of the proposition.

President Shannon called for a motion.

Commissioner Saltzgaver made a motion to Adopt a Support Position, consistent with Board Adopted Legislative Platform, on Proposition 3: Authorizes Bonds to Fund Projects for Water Supply and Quality, Watershed, Fish, Wildlife, Water Conveyance, and Groundwater Sustainability and Storage. Commissioner Martinez seconded the motion.

President Shannon then called for the vote. The motion carried with a 4 yes, 1 absent vote.

12. ADOPT SPECIFICATIONS WD-07-17 FOR THE ALAMITOS TANK NO. 4 REHABILITATION PROJECT (EO-3390) AND AUTHORIZE THE GENERAL MANAGER TO SIGN A CONSTRUCTION CONTRACT WITH PASO ROBLES TANK, INC., IN THE AMOUNT OF $1,692,020.50

- Sean Crumby, Deputy General Manager of Engineering

President Shannon introduced agenda item 12. and called on Mr. Crumby for a staff report.

Mr. Crumby provided an overview of the project and supplied background information regarding the bid.

President Shannon called for any public comment. Hearing none he called for any Commissioner comments.
Commissioner Saltzgaver inquired if this was the same company that the department had been involved with in litigation.

Mr. Crumby responded yes, and provide background information related to this issue.

President Shannon reminded staff that he had asked that the Board be advised if a proposed contracted vendor was involved in any current, or past litigation. He asked that this point be included in any future Board letters.

Commissioner Martinez inquired if the earlier litigation had been settled successfully.

Mr. Anthony noted that the City had tendered this litigation to the contractor/other party; at which time the Water Department was removed from the litigation. He reported that the other party ended up losing the litigation. He advised that case was a while ago, and noted that Paso Robles technically won that litigation, and had since completed at least three other projects for LBWD without any issues.

President Shannon requested clarification regarding which tank on the attached diagram was being rehabilitated.

Mr. Crumby responded that the action the Board was being requested to approve was for rehabilitation of Tank No. 4.

President Shannon inquired if similar work needed to be done on all the tanks that appear in the attached diagram to the Board letter.

Mr. Crumby referred to the Tank Master Plan that provides an assessment for all the tanks. He advised that staff is currently reviewing the assessment for all the tanks. He advised this rehabilitation work is being done on a phased-in approach to address over time.

President Shannon called for any other Commissioner comments.

Mr. Falagan made comments regarding the historical Capital Improvement Program which he noted also includes tank rehabilitation.

Commissioner Martinez requested that staff provide a future presentation on the Tank Master Plan and anticipated rehabilitation work, and tank projects that have been completed.

Mr. Crumby advised staff would bring this report back to the Board at a future meeting.

Mr. Garner thanked Mr. Rendon for his work on this complicated bid.

President Shannon called for a motion.
Commissioner Saltzgaver made a motion to Adopt Specifications WD-07-17 for the Alamitos Tank No. 4 Rehabilitation Project (EO-3390) and authorize the General Manager to sign a construction contract with Paso Robles Tank, Inc., in the amount of $1,692,020.50. Commissioner Martinez seconded the motion.

President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

13. **AUTHORIZE THE GENERAL MANAGER TO ENTER INTO A LONG-TERM POWER PURCHASE AGREEMENT (PPA) WITH PFMG SOLAR TO PROVIDE ELECTRICITY TO ADMIN/OSC COMPLEX AT AN ELECTRICAL RATE OF $0.1644 PER KWH FOR A PERIOD NOT TO EXCEED 25 YEARS**

- Tai Tseng, Assistant General Manager - Operations

President Shannon introduced agenda item 13. and called on Mr. Tseng for a staff report and presentation.

Mr. Tseng advised that he and Ms. Zhang would be making the presentation to the Board.

Mr. Tseng's and Ms. Zhang's presentation contained the following components:

- Request for Proposal (RFP) details for Solar Photovoltaic (PV) Project
  - RFP posted on April 16, 2018
  - Seeking proposals for solar electricity generation (through installation of solar canopies over existing parking lots)
  - Two sites: Administration/OSC complex; Treatment Plant
- 27 vendor representatives attended the mandatory pre-proposal meeting on 4/30/18
- 3 vendors submitted proposals
  - PFMG Solar
  - Skybridge Renewables
  - Performance Contracting, Inc.
- Administration/OSC complex – proposed PV systems
  - Presentation provided rate, $/kwhr and escalation for each vendor (including current power rate cost from Southern California Edison)
- Administration/OSC Complex model cost analysis for each vendor
- Treatment Plan – proposed PV systems
  - Presentation provided rate, $/kwhr and escalation for each vendor (including current power rate cost from Southern California Edison)
- Treatment Plant model cost analysis for each vendor
- Reviewed vendor scoring
- Provided review of PFMG Solar System Terms (recommended vendor)
Mr. Tseng advised that the City Attorney would continue to review and finalize the final agreement with PFMG once the Board had taken action.

Mr. Garner reported to the Board that in the interest of full disclosure former City of Long Beach City Manager, Jim Hankla has a relationship with PFMG.

President Shannon inquired who participated in the selection committee.

Mr. Tseng responded that he and Ms. Zhang were the selection committee members.

President Shannon asked Mr. Tseng to verify that their decision had been unanimous.

Mr. Tseng responded yes.

Commissioner Levine requested clarification on the site selection.

Mr. Tseng confirmed that staff recommended moving forward with installation at the Administration/OSC complex, but not at the Treatment Plant.

Commissioner Saltzgaver inquired about the payment situation for this project.

Mr. Tseng verified that payments are not made to the vendor until the project has been installed and is generating electricity.

Commissioner Saltzgaver then inquired about obtaining an estimation regarding Southern California Edison’s future rates (up to 25 years in the future).

Mr. Tseng responded that there is a problem obtaining this information from SCE. He advised that staff could only use the historical rate increases to guesstimate future SCE rate increases.

Commissioner Saltzgaver then noted that this project could guarantee certainty on rates for twenty-five years.

Mr. Tseng confirmed that was correct.

Commissioner Saltzgaver made a motion to authorize the General Manager to enter into a long-term Power Purchase Agreement (PPA) with PFMG Solar to provide electricity to Admin/OSC complex at an electrical rate of $0.1644 per kWh for a period not to exceed 25 years. Commissioner Martinez seconded the motion.

Commissioner Martinez commented on the use of the competitive RFP process for this project.
He applauded the staff in sharing the important scoring details with the Board.

Commissioner Martinez inquired about operation and maintenance details for the project.

Mr. Tseng provided background information regarding this component of the project.

Commissioner Martinez inquired if any of the City’s solar projects were yet online, and if so was there any performance data available for review.

Mr. Tseng responded no; noting they were still in design for the city’s thirteen sites. He advised that the City had a component in their contract that construction would not take place until all the City facility’s designs had been finalized.

Commissioner Martinez inquired about the project timeline once the notice to proceed had been issued.

Mr. Alex Smith of PFMG responded to this inquiry.

Commissioner Martinez asked Mr. Smith how long the LBWD design process would take.

Mr. Smith said this typically takes between three to six months.

Commissioner Levine inquired if the new city hall and port building complexes would be installing a solar component in that project.

Mr. Anthony advised he did not believe that solar panels had been incorporated into the current design of the new city hall and port complex project.

There were general comments made regarding the performance contract related to energy for the new civic center buildings.

Mr. Anthony advised that there was flexibility built into the long-term contract for this project related to a solar component for the future.

Mr. Crumby commented on the civic center project as it relates to incorporation of solar projects.

Commissioner Levine inquired if PFMG had been involved in the planning for the civic center project.

Mr. Smith of PFMG responded no.
Mr. Tseng advised the Board that PFMG is working with the ECOC to incorporate solar panels in their parking areas.

President Shannon called for public comment. Hearing none he called for the vote. The motion carried with a 4 yes, 1 absent vote.

14. APPROVAL OF SPONSORSHIP OF THE PARTNERS OF PARKS “SOWING THE SEEDS OF SUMMER 2019” EVENT TO BE HELD SEPTEMBER 29, 2018 AT THE EL DORADO NATURE CENTER

- Christopher J. Garner, General Manager

President Shannon introduced agenda item 14. and called on Mr. Garner for a staff report.

Mr. Garner provided background information regarding the sponsorship request.

Commissioner Saltzgaver provided information regarding the Partners of Parks organization. He spoke about the group’s sponsorship application and the potential for water education in conjunction with the Nature Center. He advised he felt the sponsorship request level of $5,000 was too large.

Commissioner Saltzgaver made a motion for approval of a sponsorship at the level of $2,500 for the Partners of Parks “Sowing the Seeds of Summer 2019” event to be held September 29, 2018 at the El Dorado Nature Center.

Commissioner Martinez advised he was advocating for a $1,000 sponsorship for this event.

President Shannon advised he agreed with the recommendation for the $1,000 level.

Commissioner Levine requested clarification on the first motion. President Shannon noted that motion had died for lack of a second.

President Shannon made a motion for approval of a sponsorship at the level of $1,000 for the Partners of Parks “Sowing the Seeds of Summer 2019” event to be held September 29, 2018 at the El Dorado Nature Center. Commissioner Levine seconded the motion.

President Shannon called for any additional Commissioner comments. Hearing none he called for any public comment.

He then called for the vote. The motion carried with a 4 yes, 1 absent vote.
Commissioner Martinez inquired about the status of the request to have the newly appointed Director of Parks, Recreation and Marine to come to a Board meeting for a report to the Board.

Mr. Garner reported that he had had lunch with the new Director and he was going to check his schedule and get back to him with a suggested date.

15. **CONSIDER STANDING COMMITTEE REFERRALS**

- Robert Shannon, President, Board of Water Commissioners

President Shannon called for any committee referrals.

He reported that a meeting had been set for September 12, 2018 for the Ad Hoc Policy Handbook committee to meet.

Hearing no other requests, he moved on in the agenda.

16. **NEW BUSINESS**

President Shannon called for any new business.

Commissioner Saltzgaver made a motion to excuse Commissioner Cordero from the September 6, 2018 Board meeting. Commissioner Martinez seconded the motion.

President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

17. **Closed session pursuant to Section 54957.6 of the California Government Code regarding labor negotiations with represented employees:**

- City Designated representative: Christopher Garner;
- Employee Organizations: (1) Long Beach Supervisors Employees Association, (2) International Association of Machinists and Aerospace Workers, and (3) Association of Long Beach Employees.

President Shannon reminded everyone that after the adjournment of the meeting the Board and staff would be meeting in the lobby for a presentation regarding the plaque regarding Board of Water Commissioners.

President Shannon read the closed session topic into the record. He then called for any public comment regarding agenda item 17. Hearing none he adjourned the Board to the closed session at 10:58 A.M. to the Board conference room.

President Shannon called the meeting back in session at 11:37 A.M. He advised there was no reportable action related to the closed session to report.
18. ADJOURNMENT

There being no further business to come before the Board, President Shannon adjourned the regular meeting at 11:38 a.m. in memory of Eric Swedlund of Carpi Clay to the next special meeting for the Water Commission to be held September 20, 2018 at 9:00 a.m., in the Board Room of the Administration Building, 1800 E. Wardlow Road, in Long Beach, California.

________________________
Frank Martinez, Secretary

Attest:

________________________
Gloria Cordero, President
ITEM 7.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

FINANCE STANDING COMMITTEE REPORT
11/9/2018 MEETING
ITEM 8.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 9.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GENERAL MANAGER’S REPORT
Board of Water Commissioners
November 15, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Recommended Action:
Consider the establishment of a temporary committee consisting of two members of the Board of Water Commissioners for the limited purpose of reviewing and revising Board policies regarding expenditures of Water Department funds for the sponsorships and/or the promotion of community and civic activities, and matters related thereto, and if so established, authorize the President of the Board to immediately make appointments thereto.

Executive Summary:
The Board of Water Commissioners (Board) may establish temporary (or ad hoc) committees for limited purposes and duration. This committee, if established, will immediately dissolve upon any final action taken by the Board with respect to such committee's report or proposals. The proposed committee will not have regular meeting times or dates and shall not be subject to the requirements of the Brown Act. The committee shall have no authority whatsoever to act on behalf of, or otherwise bind, the Board.

Fiscal Impact
Fiscal Impact: None.

Richard F. Anthony
Date
Authorization to sponsor the 16th Annual American Association of University Women (AAUW) Science, Technology, Engineering and Math (STEM) Conference held in Long Beach, California and the Long Beach City College (LBCC) Liberal Arts Campus on February 22, 2019. (Community Outreach/Education Annual Event).

Executive Summary:
AAUW Long Beach Chapter is holding its 16th Annual STEM conference on February 22, 2019. The annual conference, held at the LBCC Liberal Arts Campus, serves an average of 250 seventh and eighth grade schoolgirls, predominately from Title I schools. Title I is one of the oldest and largest federally funded education programs, according to the U.S. Department of Education. The designation indicates that at least forty percent of the students come from low-income families. The purpose of the AAUW annual event is to show traditionally underserved Long Beach Unified School District (LBUSD) students in an experiential and immersive way, possible STEM careers, and encourage their consideration in taking science classes in high school and college in pursuit of STEM careers.

Attached is the Sponsorship Application submitted by AAUW requesting a $2,500 sponsorship. The sponsorship would help defray costs of the event, in addition to providing visibility for Long Beach Water Department, through recognition on the event program, on the AAUW Long Beach Branch website, in all event press releases, on social media and in the AAUW newsletter. Additionally, LBWD has been invited to provide a speaker from one of our technical bureaus to address the students.

Staff Recommendation:
Determine that the 16th Annual AAUW Long Beach STEM Conference complies with Board Policy Statement 1998-31, Expenditure of Water Department Funds for Board Approved Long Beach Related Community and Civic Activities, and authorize a sponsorship in an amount recommended by the Board of Water Commissioners.

Fiscal Impact: Funds for Long-Beach-related community activities and education are included in the FY 2018-2019 annual budget.

Christopher J. Garner
General Manager

Date

Attachments
Long Beach Water Department Program Sponsorship Application

Cover Page
Submitted (date) 09/28/2018 mail electronic X

Event Date 02/22/2019 Time 4:30 pm-7:00 pm
Location Long Beach City College Liberal Arts Campus

Title of Program/Event 16th Annual AAUW STEM Career Conference

Please attach previous or current promotional and sponsorship materials to this application.

APPLICANT ORGANIZATION
Name of Organization America Association of University Women, Long Beach Branch
Mailing Address 450 Laurinda Av, Long Beach, CA 90803
Phone 562.799.6475 Federal/Tax ID 95-6042956

Check one:
Not-for-profit Organization
Government Agency
Public Organization
Sole proprietor: Owner’s Full Name
Address

Tax EIN/SSN

Representative of Applicant Organization
Name Mary Lamo Title AAUW STEM Career Conference, Co-Chair
Email marylamo@verizon.net Cell 562.522.3622
Long Beach Water Department
1800 E. Wardlow Rd
Long Beach, CA 90807

AAUW Long Beach Branch
Mary Lamo, Frances Rozner, Raquel Sanchez
Co-chairs AAUW STEM Career Conference
450 Laurinda Av
Long Beach, CA 90803

Subject: Sponsorship Application Addendum

Event: 16th Annual AAUW Long Beach STEM Career Conference

Program Information

1. Target market for the program/event?

The Long Beach Branch of the American Association of University Women (AAUW) will host its 16th Annual STEM Conference for 7th & 8th grade predominately Title I Long Beach schoolgirls on February 22, 2019 at Long Beach City College Liberal Arts Campus. This partnership with LBCC gives the girls an opportunity to be on a college campus.

We will have 7 schools bringing up to a combined total of 250 girls bused to LBCC LAC to participate in the plenary opening session, which includes a keynote speaker, two workshops and a concluding session. The February 2019 Conference will once again see AAUW LB partner with teachers at Franklin Classical Middle School, Hamilton Middle School, Jackie Robinson Academy, Muir Academy, Powell Academy for Success, Stephens Middle School and Washington Middle School to select, enroll, transport, and supervise up to 250 7th and 8th grade girls, many of whom are very low-income.

2. Purpose of program/event?

The purpose of this project is to expose traditionally underserved Long Beach Unified School District girls to STEM (Science Technology Engineering Math) careers and to excite them about attending college and taking math and science courses in pursuit of STEM careers. The conference is specifically held before the eighth-graders select their high school courses.

Our keynote speaker will be a young woman of color who has worked past adversity through her ability to set goals, work hard and collaborate with people who believe in her success. Our workshop leaders are women in STEM careers who share information about their education and career and then lead the girls in a hands-on activity.
The conference experience impacts these girls in so many ways. We have pictorial details which are available at www.aauw-longbeach.org. Also, here are just a few of the comments from the girls’ conference evaluation forms:

- Set goals for yourself and keep moving forward. Never give up. Women can have the same careers as men. Never have friends you can’t trust. Work hard and stay in school. You need a college education. I need to start looking for scholarships. I heard a heartbeat. I loved making a building out of marshmallows. It was fun working with other students to build a car. There are different kinds of engineering. We got to design our dream home. It made me feel so proud to be a nerd.

The branch is partnering with LBUSD in a research project to follow the 2015 and 2016 attending eighth graders’ math and science courses over their high school years and interview them in their senior year to determine the influence of this conference. The 2018 Conference surpassed 2225 as the total number of girls attending over the last 15 years.

3. Sponsorship Request?

Event costs include outfitting the LBCC small gym and using the classrooms on the LAC campus. This year our conference will move to the LBCC small gym to better accommodate the 320 individuals attending plenary and concluding sessions, and with that move we will incur additional costs. Since the STEM conference is an extension of their school day, and understanding that healthy calories are necessary for their brains to function on a Friday afternoon, we provide two snack bags for each girl – one on arrival and one on departure. The chaperones, the majority of whom are teachers volunteering after hours, also receive snack bags. The 40-plus volunteers, including the workshop speakers, are provided with a light supper immediately following the event, which provides the opportunity to debrief and gather feedback for the following year’s conference. Other expenses include event buses and event supplies (e.g., printing, signage, AAUW logo goodie bag).

At a $2500 sponsorship level you are recognized on the event program, on the AAUW Long Beach Branch website with a logo, in event press releases, in social media, and in our newsletter.

Eligibility

1. Raising public awareness on issues related to the LBWD’s mission and core business of the department?

The conference addresses the LBWD mission statement in the following ways:
- Contributing to a sustainable city by exposing the participants to STEM careers and opportunities.
- Pay equity for women with the goal of these young women following a STEM career path where they should have a better chance to close the gender pay gap and achieve pay equity through a college education and STEM careers.

- Diversity & Inclusion is evident with these young women who have the chance to see successful women building careers in which they are judged by their skill sets and training and not by their gender or the color of their skin.

2. Contributing to a sustainable Long Beach by promoting conservation?

Our 2019 speakers include a unique group of female STEM professionals who donate their time for this event. The girls have an opportunity to learn about life at the cellular level (Molecular Cell Biology and Physiology Research Project Manager) or in space (Astrophysicist); to see the impact humans have had on the world (Paleontologist) and what we are currently doing to the world (Environmental Scientist) and to our oceans (Marine Biologist); to build sustainable buildings (Architect) and sustainable power (Mechanical Engineer); and listen and learn from our bodies (Speech-Language Pathologist and Coroner).

3. Promoting collaboration with regional partners as part of fulfilling the LBWD’s vision?

The Conference is a collaborative effort with a growing number of partners - all interested in advancing STEM careers to an often neglected segment of the population. While the AAUW Long Beach Branch supports the Conference with volunteers and project coordination, Long Beach City College provides facilities at a reduced cost, and the ten Workshop Speakers donate their time and share their expertise. LBUSD assists with registration coordination and is supporting our research project. The LBCC Foundation promotes the Long Beach College Promise at the event. Numerous local businesses have donated items for the girls’ conference bags. For years, the Port of Long Beach has provided for the buses to ensure the girls arrive safely. For the 2019 Conference, we’ve already received monetary commitments from AES and TABC, which have supported in the past, and from Southern California Edison and SCS Engineers, which are new to the Conference.

This year’s STEM attendee may well be a future Long Beach Water Department intern or professional creating sustainable solutions for the LBWD.

AAUW Long Beach is a 501(c)4. If your company wishes to take the tax deduction for a charitable contribution, we use the AAUW CA 501(c)3 foundation called the AAUW CA Special Project Fund. We will help you with the process.
Please answer the following questions/sections on a separate sheet of paper; attach additional sheets as needed.

PROGRAM INFORMATION

Please answer the following questions; attach additional sheets as needed.

1. Target market for the program/event?

2. Purpose of program/event?

3. Sponsorship request?

Eligibility

Please explain how the program promotes one of the LBWD goals; attach additional sheets as needed.

1. Raising public awareness on issues related to the LBWD's mission and core business of the department?

2. Contributing to a sustainable Long Beach by promoting conservation?

3. Promoting collaboration with regional partners as part of fulfilling the LBWD's vision?

Applicant Signature

The person signing this application certifies that the information presented on this application is correct and complete. This signature is also an affirmative statement that the program or event is not a political fundraising event and is non-partisan.

Signature ___________________________ Date 09-28-2018

Please mail or deliver your completed application to
Long Beach Water Department
Attention: Executive Assistant to the Board, 4th Floor
1800 E. Wardlow Rd.
Long Beach, CA 90807

Additional inquiries or information needed? Please call: 562-570-2302
BOARD OF WATER COMMISSIONERS

Policy Statement 1998-31

RE: EXPENDITURE OF WATER DEPARTMENT FUNDS FOR BOARD APPROVED LONG BEACH RELATED COMMUNITY AND CIVIC ACTIVITIES

As provided by the Long Beach City Charter, the Board of Water Commissioners may, in its discretion authorize the expenditure of Water Department funds for the promotion of community and civic activities. That discretion is limited, however, to those activities which have a clear water, water conservation or sewer related purpose.

Requests shall be considered on a case by case basis; special consideration will be given to those activities which promote the following goals:

1. Water education
2. Sound water policy
3. Water conservation
4. The role of the Department in the Long Beach community.

Consideration will also be given to those activities which educate and also advance the operations of the Sewer division.

At the beginning of each fiscal year, a budget shall be set for the expenditures of these funds. Each expenditure shall require the prior approval of the Board.

ADOPTED: September 24, 1998
AMENDED: August 26, 1999
AMENDED: May 24, 2001
AMENDED: April 17, 2003
AMENDED: March 18, 2004
AMENDED: November 17, 2016
**Board of Water Commissioners**

**FY 19 SPONSORSHIPS**

**CATEGORY 1: Interdepartmental Events**

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<th>Actuals</th>
<th>Description</th>
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<tr>
<td></td>
<td>TOTAL CATEGORY 1: Interdepartmental Events</td>
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**CATEGORY 2: Community Outreach Events**

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<tr>
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<td>WATER DEPT-SPONSOR CEMETERY TOUR OCT 28, 2017</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
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<tr>
<td>$ 400</td>
<td>Belmont Shore Xmas Parade Entrance Fee</td>
<td>Belmont Shore Business Assoc</td>
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<td>State of the County Luncheon 11/29/2018</td>
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**CATEGORY 3: Ads for Events**

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<td>TOTAL CATEGORY 3: Ads for Events</td>
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**CATEGORY 4: Ad & Individual Tickets for Events**

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<tr>
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<td>TOTAL CATEGORY 4: Ad &amp; Individual Tickets for Events</td>
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$ 3,395  TOTAL SPONSORSHIPS YTD  
$ 50,000  FY 19 SPONSORSHIP BUDGET  

**6.8% (as of Sept 27, 2018)**
## Board of Water Commissioners

### FY 18 SPONSORSHIPS

#### CATEGORY 1: Interdepartmental Events

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#### CATEGORY 2: Community Outreach Events

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#### CATEGORY 3: Ads for Events

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#### CATEGORY 4: Ad & Individual Tickets for Events

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<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP FOR APRIL 25TH EVENT</td>
<td>WOMEN'S SHELTER OF LONG BEACH</td>
</tr>
<tr>
<td>$ 1,375</td>
<td>LBCC 90TH ANNIVERSARY CELEBRATION GALA (INVOICED)</td>
<td>LONG BEACH CITY COLLEGE</td>
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<tr>
<td>$   720</td>
<td>ICT ENCORE 2018 EVENT</td>
<td>INTERNATIONAL CITY THEATRE</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>PARTNERS OF PARKS 9/29/2018 SOWING THE SEEDS OF SUM PARTNERS OF PARS</td>
<td></td>
</tr>
</tbody>
</table>
### Board of Water Commissioners

<table>
<thead>
<tr>
<th>Amount</th>
<th>Description</th>
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<tbody>
<tr>
<td>$4,095</td>
<td>TOTAL CATEGORY 4: Ad &amp; Individual Tickets for Events</td>
</tr>
<tr>
<td>$40,740</td>
<td>TOTAL SPONSORSHIPS YTD</td>
</tr>
<tr>
<td>$30,000</td>
<td>FY 18 SPONSORSHIP BUDGET</td>
</tr>
</tbody>
</table>

135.8% (as of Sept 11th, 96% of the year)
# Board of Water Commissioners

## FY 17 Sponsorships

### CATEGORY 1: Interdepartmental Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2017<em>998317-0221</em></td>
<td>L B CONVENTION&amp;ENTERTNMNT CTR</td>
</tr>
<tr>
<td></td>
<td>TOTAL CATEGORY 1: Interdepartmental Events</td>
<td></td>
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</tbody>
</table>

### CATEGORY 2: Community Outreach Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$500</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT-SPONSORSHIP LEADERSHIP AWARDS DINNER 12/8/16</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 7/9/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/9/17</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
</tr>
<tr>
<td>$1,250</td>
<td>WATER DEPT-SPONSORSHIP CONF 7/17-6/30/18</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$1,500</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR OCT 28, 2017</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
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<tr>
<td>$1,500</td>
<td>WATER DEPT-SPONSORSHIP AWARDS EVENT 09/29/17</td>
<td>CENTRO C H A INC</td>
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<tr>
<td>$1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 2/8-2/10/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 8/17/17</td>
<td>URBAN WATER INSTITUTE INC</td>
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<tr>
<td>$2,500</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 6/1/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$3,000</td>
<td>WATER DEPT-SPONSORSHIP 5/8/17 ORCHESTRA GALA</td>
<td>MUSICA ANGELICA</td>
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<tr>
<td>$5,000</td>
<td>WATER DEPT-SPONSORSHIP CONSERVATION AWARDS 2017</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td></td>
<td>TOTAL CATEGORY 2: Community Outreach Events</td>
<td></td>
</tr>
<tr>
<td>$21,250</td>
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<td></td>
</tr>
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</table>

### TOTAL SPONSORSHIPS YTD

$36,250

### TOTAL SPONSORSHIP BUDGET

$30,000

120.8% (as of May 24, 67% of the year)

MOVED TO GOVT PUBLIC AFFAIRS

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$25,000</td>
<td>WATERSHED EXHIBIT SPONSORSHIP PAYMENT 1 OF 2</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
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</table>
Adjourned Board Meeting

November 6, 2018

12:00 p.m. – Boardroom

1. Call to Order
   
   (a) Invocation: Ron Dominguez, Senior IT Infrastructure Administrator, Information Technology

   (b) Pledge of Allegiance: Director Tim Smith, San Diego County Water Authority

2. Roll Call

3. Determination of a Quorum

4. Opportunity for members of the public to address the Board on matters within the Board’s jurisdiction. (As required by Gov. Code § 54954.3(a)

5. OTHER MATTERS

   A. Approval of the Minutes of the Meeting for October 9, 2018
      (A copy has been mailed to each Director)
      Any additions, corrections, or omissions

   B. Report on Directors’ events attended at Metropolitan expense for month of October

   C. Approve committee assignments

   D. Chairman’s Monthly Activity Report
ITEM 13.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
E. Induction of new Director Yazdan T. Emrani from the City of San Fernando
   (a) Receive credentials
   (b) Report on credentials by General Counsel
   (c) File credentials
   (d) Administer Oath of Office
   (e) File Oath

F. Approve Commendatory Resolution for Director Sylvia Ballin representing the City of San Fernando

G. Authorize preparation of Commendatory Resolution for Association of California Water Agencies Executive Director Tim Quinn for his service to the water community

H. Report from Executive Committee on nominations for Board Secretary

I. Nomination and Election for Board Secretary for two-year term effective January 1, 2019

6. DEPARTMENT HEADS' REPORTS

A. General Manager's summary of activities for the month of October

B. General Counsel's summary of activities for the month of October

C. General Auditor's summary of activities for the month of October

D. Ethics Officer's summary of activities for the month of October
7. CONSENT CALENDAR ITEMS — ACTION

7-1 Approve The Metropolitan Water District of Southern California’s salary schedules pursuant to CalPERS regulations; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA.

7-2 Review and consider the Lead Agency’s adopted Mitigated Negative Declaration and adopt the Lead Agency’s findings, and adopt resolution for Eastern 109th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan. (F&I)

7-3 Adopt Resolution for Eastern 110th Fringe Area Annexation to Eastern Municipal Water District and Metropolitan; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (F&I)

END OF CONSENT CALENDAR

8. OTHER BOARD ITEMS — ACTION

8-1 Approve and authorize the distribution of Appendix A for use in the issuance and remarketing of Metropolitan’s Bonds; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (F&I)

8-2 Award $43,998,000 contract to Bernards Bros., Inc. for seismic upgrades and building improvements for Metropolitan’s Headquarters Building; award $620,713 contract to R&F Rolapp Enterprises, Inc. for staff relocation services; and authorize: (1) agreement with Lee & Ro, Inc. for a not-to-exceed amount of $2.5 million, for specialized inspection support; (2) increase of $3.98 million to an agreement with ABS Consulting, Inc., for a new not-to-exceed total of $11.58 million for technical support; and (3) increase of $245,000 to an agreement with IBI Group, for a new not-to-exceed total of $1,135,000, for technical support; the General Manager has determined that the proposed actions are exempt or otherwise not subject to CEQA. (E&O)
8-3 Review and consider Addendum No. 2 to the 2017 Program Environmental Impact Report, and award $14,536,130 contract to J. F. Shea Construction, Inc. to rehabilitate a portion of the Second Lower Feeder. (E&O)

8-4 Review and consider Addendum No. 2 to the 2014 Mitigated Negative Declaration, and award $6,967,500 contract to Michels Pipeline Construction to replace the lining in a portion of the Orange County Feeder. (E&O)

8-5 Adopt CEQA determination that the proposed action was previously addressed in the certified Program Environmental Impact Report and award $2,606,700 contract to Minako America Corporation for electrical upgrades at 15 structures. Authorize an agreement with Kennedy/Jenks Consultants, Inc., with a not-to-exceed amount of $2,037,000, for technical support of electrical upgrades at 290 structures within the Orange County operating region; the General Manager has determined that this proposed action is exempt or otherwise not subject to CEQA. (E&O)

8-6 Approve amendments to the Water Use Efficiency Guidelines for proposed annexations in Metropolitan’s Administrative Code Sections 3107 and 2700; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (WP&S)

8-7 Approve amendments to the Administrative Code to clarify the Ethics Officer Reporting Structure and Duties and to establish the Audit and Ethics Committee as a Standing Committee of the Board; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA. (A&E)

9. BOARD INFORMATION ITEMS

9-1 Update on Conservation Program

9-2 Overview of agreements related to drought contingency planning in the Colorado River Basin. (WP&S)
9-3 Information on proposed approach to increasing conservation in Disadvantaged Communities. (WP&S)

10. OTHER MATTERS

   Added
   a. Review of Settlement Proposal received from SDCWA and Report on San Diego County Water Authority v. Metropolitan Water District of Southern California, et al., San Francisco County Superior Court Case Nos. CPF-10-510830, CPF-12-512466, CPF-14-514004, CPF-16-515282, CPF-16-515391 and CGC-17-563350; the appeal of the 2010 and 2012 actions, Court of Appeal for the First Appellate District Case Nos. A146901 and A148266 and California Supreme Court Case No. S243500; the petition for extraordinary writ in the 2010 and 2012 actions, Court of Appeal for the First Appellate District Case No. A155310; the petition for extraordinary writ in the second 2016 action, Court of Appeal for the First Appellate District Case No. A154325 and California Supreme Court Case No. S251025; and Los Angeles County Superior Court Case No. BS173868.

   [Conference with legal counsel – existing litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1)]

11. FOLLOW-UP ITEMS

12. FUTURE AGENDA ITEMS

13. ADJOURNMENT

NOTE: Each agenda item with a committee designation will be considered and a recommendation may be made by one or more committees prior to consideration and final action by the full Board of Directors. The committee designation appears in parentheses at the end of the description of the agenda item e.g., (E&O, F&I). Committee agendas may be obtained from the Board Executive Secretary.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site http://www.mwdh2o.com.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.
AGENDA
BOARD OF WATER COMMISSIONERS
FINANCE COMMITTEE
COMMISSIONER HARRY SALTZGAVER/COMMISSIONER FRANK MARTINEZ
FRIDAY, NOVEMBER 9 2018, AT 8:30 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
BOARD ROOM
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

Staff:
B. Anatole Falagan

1. Call to Order
2. Long Range Financial Projections
3. New Business
4. Adjournment

AN OPPORTUNITY WILL BE GIVEN TO THE PUBLIC TO ADDRESS THE COMMITTEE
OF THE BOARD OF WATER COMMISSIONERS CONCERNING THE SUBJECT
MATTER. EACH PERSON WILL BE ALLOWED THREE MINUTES UNLESS
EXTENDED BY THE COMMITTEE CHAIR.

Written materials relating to any item on the Commission’s agenda which are submitted to the
Commission after distribution of the agenda packet are available for public inspection at the Water
Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.
If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.

Kung ang pasalitang pagsasalin-wika para sa mga taong hindi nagsasalita ng Ingles ay hinahangad o kung ang isang natatanging kaluwagan ay hinahangad alinsunod sa Batas sa mga Amerikanong May Kapansanan, mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 oras bago ang pulong ng Komisyon sa Karta.

Si desea una interpretación en otro idioma para las personas que no hablan inglés o si se desea una adaptación especial de acuerdo con la Ley de Estadounidenses con Discapacidad, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión de Estatutos.
Long Range Financial Projections

Finance Committee
November 9, 2018
For Today

- Water Fund Projections
  - Need for mid-year rate increase?
- Sewer Fund Projections
- Effect on Customer Bills
- Next Steps
Water Fund Projections
FY 18 Q3 Estimated Water Fund Balance

<table>
<thead>
<tr>
<th></th>
<th>Beginning</th>
<th>Budget End</th>
<th>Q2 Est End</th>
<th>Q3 Est End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millions</td>
<td>$24.7</td>
<td>$21.3</td>
<td>$23.0</td>
<td>$24.9</td>
</tr>
</tbody>
</table>

**Budgeted draw on reserves**
- **Max** $35.3
- **Min** $21.8

**Q2 est. draw on reserves**
- **$1.6M**

**Q3 est. increase in reserves**
- **$200k**
Water Fund Balance Projections

FY 19 Beg

Min $24.5

Max $38.1

$24.9
FY 19 Budget Expenditure Increases

- Labor $1.3M
- AMI Debt Service $1.2M
  - FY 20 $300k Meter reading reduction
  - FY 21 $440k Meter reading reduction
- Purchase/Pump/Treatment $1.35M
- L.A. River Project $600k
FY 19 Budget Expenditure Increases

- Conservation Programs $375k
  - $150k West LB Recycled
  - $100k Parkways
  - $50k Direct Install Multi-Family
  - $50k Weather-Based Irrigation Controllers
  - $25k Large Business Landscape Savings
- Customer credit card fee waiver $210k
Water Fund Balance Projections

- FY 19 Beg: $24.9
- FY 19 End: $17.2

- Max: $38.1
- Min: $24.5
- Mid Year: 0%
Water Fund Balance Projections

- **FY 19 Beg**: $19.9 (6% Mid Year)
- **Max**: $38.1
- **Min**: $24.5
- **FY 19 End**: $24.9
FY 20 Expenditure Increases

- Labor $750k
- Purchase/Pump/Treatment $1.3M
- Measure M General Fund Transfer $350k
  - CPI Adjustment
- CIP Projects $3.2M
  - Wells $3.7M
  - SCADA $860k
  - Treatment Plant HVAC $1.1M
## Water Fund Balance Projections

<table>
<thead>
<tr>
<th></th>
<th>FY 19 Beg</th>
<th>FY 19 End</th>
<th>FY 20 End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min</td>
<td>$24.5</td>
<td>$19.9</td>
<td>$15.1</td>
</tr>
<tr>
<td>Mid Year</td>
<td>$24.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max</td>
<td>$38.1</td>
<td>$38.7</td>
<td>$24.9</td>
</tr>
</tbody>
</table>

### Water Fund Balance Projections

- **FY 19 Beg**: Min $24.5, Max $38.1
- **FY 19 End**: Min $24.5, Max $38.7
- **FY 20 End**: Min $24.5, Max $38.1

The chart shows the projections for the water fund balance from FY 19 to FY 20. The Min, Mid Year, and Max values are indicated for each fiscal year end.
FY 21 – FY 23 Expenditures

- Increased Labor
- Increased Purchase/Pump/Treatment
- Increased Measure M General Fund Transfer
- CIP Projects return to historical levels
- Meter reading costs eliminated
Water Fund Balance Projections

<table>
<thead>
<tr>
<th></th>
<th>FY 19 Beg</th>
<th>FY 19 End</th>
<th>FY 20 End</th>
<th>FY 21 End</th>
<th>FY 22 End</th>
<th>FY 23 End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max $ (Millions)</td>
<td>$24.9</td>
<td>$19.9</td>
<td>$15.1</td>
<td>$14.8</td>
<td>$20.4</td>
<td>$25.1</td>
</tr>
<tr>
<td>Min $ (Millions)</td>
<td>$24.9</td>
<td>$19.9</td>
<td>$15.1</td>
<td>$14.8</td>
<td>$20.4</td>
<td>$25.1</td>
</tr>
</tbody>
</table>

- **Mid Year**
  - **6%**
  - **5%**
  - **4%**
  - **0%**
Sewer Fund Projections
FY 18 Estimated Sewer Fund Balance

Budgeted draw on reserves
$3M
Q2 est. draw on reserves
$810k
Q3 est. increase to reserves
$660k
Sewer Fund Balance Projections

FY 19 Beg

- $11.6
- Max $8.6
- Min $3.3
FY 19 Budget Expenditure Increases

• AMI Debt Service $1.2M
  • FY 20 $300k Meter reading reduction
  • FY 21 $440k Meter reading reduction

• CIP Projects $1.4M
  • Lift Station Rehab

• Customer credit card fee waiver $190k
Sewer Fund Balance Projections

<table>
<thead>
<tr>
<th></th>
<th>FY 19 Beg</th>
<th>FY 19 End</th>
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</thead>
<tbody>
<tr>
<td>Min</td>
<td>$3.3</td>
<td>$0%</td>
</tr>
<tr>
<td>Max</td>
<td>$8.6</td>
<td>$10.2</td>
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<tr>
<td>Millions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$11.6</td>
<td></td>
<td></td>
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</tbody>
</table>

FY 19 End: $11.6
FY 19 Beg: $10.2

Min $3.3 to Max $8.6
FY 20 – FY 23 Expenditures

• Increased Labor
• Increased Measure M General Fund Transfer
• CIP Projects continue at increased level
  • Continued Lift Station Rehab
  • FY 23 SCADA $900k
• Meter reading costs eliminated
Sewer Fund Balance Projections

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Beg</th>
<th>End</th>
<th>End Change</th>
<th>Min</th>
<th>Max</th>
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<td></td>
<td></td>
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<td>$3.3</td>
<td>$8.6</td>
</tr>
<tr>
<td>FY 20</td>
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<td>$3.3</td>
<td>$8.9</td>
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<td>FY 21</td>
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<td>$3.2</td>
<td>$8.5</td>
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<tr>
<td>FY 22</td>
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<tr>
<td>FY 23</td>
<td></td>
<td></td>
<td></td>
<td>$3.3</td>
<td>$8.6</td>
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</table>

Millions
Effect on Customer Bills
Effect on Customer Bills

- Effect on the typical customer bill to be less than $3.00 per month for the next 4 years

<table>
<thead>
<tr>
<th></th>
<th>FY 19 Apr 1</th>
<th>FY 20</th>
<th>FY 21</th>
<th>FY 22</th>
<th>FY 23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Rate Increase</td>
<td>6.0%</td>
<td>6.0%</td>
<td>5.0%</td>
<td>4.0%</td>
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<tr>
<td>Sewer Rate Increase</td>
<td>0.0%</td>
<td>0.0%</td>
<td>4.0%</td>
<td>6.0%</td>
<td>6.0%</td>
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<tr>
<td>Avg Bill Increase</td>
<td>4.9%</td>
<td>4.9%</td>
<td>4.8%</td>
<td>4.3%</td>
<td>1.0%</td>
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<tr>
<td>Total Bill Increase</td>
<td>$2.73</td>
<td>$2.90</td>
<td>$2.97</td>
<td>$2.80</td>
<td>$0.69</td>
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</tbody>
</table>
Effect on Customer Bills – FY 23 Projection

- Long Beach: $84
- Golden State: $108
- Sacramento: $109
- Los Angeles: $119
- San Jose: $120
- San Diego: $150
- Oakland: $153
- San Francisco: $249
Possible Next Steps

• Nov – Fund projections discussion with the Board
• Dec/Jan – Board consideration of mid-year rate adjustment
• Feb – Prop 218 Hearing
• Feb/Mar – Council approval
• April 1 – Mid-year rate adjustment effective
AGENDA
BOARD OF WATER COMMISSIONERS
REGULAR MEETING OF THURSDAY, NOVEMBER 1, 2018, AT 9:00 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

1. Pledge of Allegiance

2. Public Comment:

GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

3. Water Resources Workshop
   • B. Anatole Falagan, Assistant General Manager

4. Review Board Meeting Schedule for December 2018 and January 2019
   • Gloria Cordero, President, Board of Water Commissioners

5. President’s Report
   • Gloria Cordero, President, Board of Water Commissioners

6. General Manager’s Report
   • Christopher J. Garner, General Manager

7. Authorize the General Manager to execute all documents necessary, including any as-needed contracts, for the relinquishment of the City of Long Beach Water Department’s Right of First Refusal, pertaining to real property located at 2400 East Wardlow Road and 2401 East Wardlow Road (APN’s 7149-003-017, 7149-003-018, 7149-006-053, 7149-008-004, 7149-008-007, 7149-008-012, 7149-008-015, and 7149-008-016), District 5
   • Sean Crumby, P.E., Deputy General Manager of Engineering

8. Postponed from October 25, 2018 Board Meeting Agenda
   Authorize the General Manager to execute an Agreement with HDR Engineering, Inc., to provide Professional Engineering Services for the Tank Master Plan Update Project (EO-3455), in an Amount Not-to-Exceed $321,538
   • Sean Crumby, P.E., Deputy General Manager of Engineering

9. Authorize the General Manager, or designee, to execute a lease-purchase agreement and related financing documents with Banc of America Public Capital Corp, for the financing of the Advanced Meter Infrastructure Project, in an amount not to exceed $36,000,000, including cost of issuance, principal and interest, payable over a fifteen-year period
   • B. Anatole Falagan, Assistant General Manager
10. Water Supply Update
   • Dean Wang, Water Conservation Specialist

11. Consider Standing Committee Referrals
   • Gloria Cordero, President, Board of Water Commissioners

12. New Business

13. Adjournment to the next Regular Meeting, Thursday, November 15, 2018, at 9:00 a.m. in the Board Room at 1800 E. Wardlow Road, Long Beach, CA

Written materials relating to any item on the Commission’s agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.

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If language translation of the Commission agenda and minutes for non-English speaking persons is desired please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Commission meeting.

Kung ang pagsasalin-wika ng adyenda at mga katitikan ng Komisyon ay hinahangad para sa mga taong hindi nagsasalita ng Ingles mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 pitong oras bago ang pulong ng Komisyon.

Si desea obtener la traducción lingüística de la agenda y las actas de la Comisión para las personas que no hablan inglés, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión.
ITEM 3.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

WATER RESOURCES WORKSHOP
Water Resources Plan:
Water Demand Forecast

Board Workshop
November 1, 2018
1. Statistical Water Demand Modeling
2. Explaining Past Water Use
3. Demographic and Climate Projections
4. Water Demand Forecast
5. Next Steps for Water Resources Plan (WRP)
Statistical Water Demand Modeling
Common Demand Forecast Approach

Forecast Approach: Recent per capita water use multiplied by projected population

Per capita demand forecast method cannot account for changing climate, increases in water use efficiency or changing demographics into the future.

Demand is reduced as result of drought, wet weather, increasing conservation or some combination.

Demand partially rebounds, followed by another dip.

Based on recent per capita use, revised forecast.
Multi-variate statistical regression fits historical water use data to explanatory variables known to impact demand.

This is done on a monthly basis from 2005 to 2017 for each billing sector (single-family residential, multifamily residential, commercial, industrial, irrigation).

Benefits of this approach:
- Helps explain past variability in water use
- Used to develop robust and defensible forecast of future water demand
Variables in Statistical Methodology

Single-Family Residential (SFR) Sector Example

Actual Monthly SFR Water Use ÷ Number of SFR Homes (DRIVER) = Household Water Use Gallons per Day per Home (DEPENDANT VARIABLE)  

Climate, Lot Size, Price of Water, Indoor Use Efficiency, Periods of Water Use Restrictions (EXPLANATORY VARIABLES)

Projected EXPLANATORY VARIABLES → Projected DEPENDANT VARIABLE (Household Water Use) Estimated by Statistical Function × Projected DRIVER (Number of SFR Homes) = SFR Sector Water Demand Forecast
### Statistical Models for Long Beach

<table>
<thead>
<tr>
<th>Water Use Sector</th>
<th>Dependent Variable</th>
<th>Explanatory Variables</th>
<th>Projected Driver</th>
<th>R² (Correlation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Family Residential</td>
<td>Gallons per Day per Home</td>
<td>Climate, Lot Size, Price of Water, Indoor Efficiency, Periods of Use Restrictions</td>
<td># of SFR Homes</td>
<td>0.92</td>
</tr>
<tr>
<td>Multifamily Residential</td>
<td>Gallons per Day per Home</td>
<td>Climate, Price of Water, Indoor Efficiency, Periods of Use Restrictions</td>
<td># of MFR Homes</td>
<td>0.92</td>
</tr>
<tr>
<td>Commercial</td>
<td>Gallons per Day per Employee</td>
<td>Climate, Empl. Mix, Price of Water, Indoor Efficiency, Periods of Use Restrictions</td>
<td># of COM Employees</td>
<td>0.80</td>
</tr>
<tr>
<td>Industrial</td>
<td>Gallons per Day per Employee</td>
<td>Climate, Periods of Economic Recession, Periods of Use Restrictions</td>
<td># of IND Employees</td>
<td>0.47</td>
</tr>
<tr>
<td>Large Irrigation</td>
<td>Gallons per Day per IRR Account</td>
<td>Climate, Price of Water, Periods of Use Restrictions</td>
<td># of IRR Accounts</td>
<td>0.89</td>
</tr>
</tbody>
</table>
Breakdown of Long Beach Water Use

Historical split by major sector of demand

Current Water Use:
Demand = 50,000 AF
Non-Revenue (4%) = 2,000 AF
Total = 52,000 AF

Non-Revenue includes:
System losses, fire protection, and unaccounted for water
10% increase in Temperature →
1.9% to 18.9% increase in sector water use, or aggregate City increase of 5.7%

10% decrease in Precipitation →
0.5% to 4.8% increase in sector water use, or aggregate City increase of 1.2%

10% increase in Indoor Use Efficiency →
9.8% to 15.9% decrease in sector water use, or aggregate City decrease of 12.3%

10% increase in real Price of Water →
1.9% to 10.1% decrease in sector water use, or aggregate City decrease of 2.7%

Periods of Water Use Restrictions →
10.0% to 25.2% decrease in sector water use, or aggregate City decrease of 14.1%

10% decrease in Irrigation Lot Size →
1.5% decrease in SFR sector water use, or aggregate City decrease of 0.6%

10% increase in Services Employment →
17.4% increase in COM sector water use, or aggregate City increase of 4.4%

Periods of Economic Recession →
21.0% decrease in IND sector water use, or aggregate City decrease of 0.2%

10% change in variables are just for relative comparison, actual projections are used for demand forecast.
Statistical Validity

SFR Water Demand Model Verification

Adjusted R-Square = 0.92
Statistical Validity

COM Demand Model Verification

Adjusted R-Square = 0.802
Statistical Validity

IND Model Verification

Adjusted R-Square = 0.467
Explaining Past Water Use
Historical Water Use for LBWD

- LBWD begins its conservation rebate program with larger numbers of rebates happening 2008-2010 and 2015-2016.
- New State plumbing codes for high efficiency toilets and ultra low-flow showerheads.
Demographic and Climate Projections
<table>
<thead>
<tr>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Resident Population</td>
<td>460,325</td>
<td>471,382</td>
<td>471,205</td>
<td>484,790</td>
<td>492,689</td>
<td>525,221</td>
<td>549,920</td>
<td>577,215</td>
<td>0.6%</td>
</tr>
<tr>
<td>Single-Family Housing</td>
<td>75,157</td>
<td>76,887</td>
<td>78,431</td>
<td>79,329</td>
<td>80,612</td>
<td>82,752</td>
<td>86,274</td>
<td>89,409</td>
<td>0.4%</td>
</tr>
<tr>
<td>Multifamily Housing</td>
<td>87,405</td>
<td>87,364</td>
<td>87,528</td>
<td>87,599</td>
<td>95,506</td>
<td>102,301</td>
<td>108,277</td>
<td>114,654</td>
<td>0.7%</td>
</tr>
<tr>
<td>Commercial Employment</td>
<td>163,333</td>
<td>164,257</td>
<td>155,066</td>
<td>168,926</td>
<td>163,774</td>
<td>170,192</td>
<td>177,696</td>
<td>187,704</td>
<td>0.5%</td>
</tr>
<tr>
<td>Industrial Employment</td>
<td>30,199</td>
<td>17,778</td>
<td>9,693</td>
<td>9,484</td>
<td>9,875</td>
<td>9,775</td>
<td>9,498</td>
<td>9,472</td>
<td>-0.1%</td>
</tr>
</tbody>
</table>
Monthly Maximum Temperature

![Temperature Chart for Long Beach](chart)

- **Temperature (°F)**
  - Historical Average
  - Projected Range with Climate Change (Year 2050)

- ~5% average increase
Monthly Precipitation

Long Beach Monthly Precipitation

Historical Average

Projected Range with Climate Change (Year 2050)

~20% decrease

~10% increase
Water Demand Forecast
Baseline Water Conservation for LBWD

<table>
<thead>
<tr>
<th>Conservation Savings</th>
<th>2020</th>
<th>2030</th>
<th>2040</th>
<th>2050</th>
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</thead>
<tbody>
<tr>
<td>SFR Indoor Efficiency Index (1.0 = maximum efficiency)</td>
<td>0.68</td>
<td>0.72</td>
<td>0.75</td>
<td>0.77</td>
</tr>
<tr>
<td>MFR Indoor Efficiency Index (1.0 = maximum efficiency)</td>
<td>0.79</td>
<td>0.82</td>
<td>0.85</td>
<td>0.86</td>
</tr>
<tr>
<td>COM Indoor Efficiency Index (1.0 = maximum efficiency)</td>
<td>0.65</td>
<td>0.69</td>
<td>0.72</td>
<td>0.72</td>
</tr>
<tr>
<td>SFR Landscape Ordinance (gallons per home savings)</td>
<td>-1.0</td>
<td>-1.3</td>
<td>-3.0</td>
<td>-4.0</td>
</tr>
<tr>
<td>COM Landscape Ordinance (gallons per employ. savings)</td>
<td>-1.0</td>
<td>-2.0</td>
<td>-3.2</td>
<td>-4.2</td>
</tr>
</tbody>
</table>

Maximum indoor efficiency is based on Water Research Foundation and assumes all water fixtures are at ultra-conserving levels and there are minimal leaks.
Projected Water Unit Use for LBWD

Under Average Historical Climate and Baseline Conservation

Gallons per Day per Unit (see Legend)

Legend
- SFR (per home)
- MFR (per home)
- COM (per employee)
- IND (per employee)
While LBWD Demand Forecast is not developed using a per capita water use approach, it is important to show the resulting per capita water use for Urban Water Management Plan.
### Water Demand Forecast by Sector for LBWD

**Baseline Forecast:** (Acre-Feet/Year)  
**Historical Average Weather, Planned Growth, and Baseline Water Conservation**

<table>
<thead>
<tr>
<th>Demand Sector</th>
<th>2020</th>
<th>2030</th>
<th>2040</th>
<th>2050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Family Residential</td>
<td>19,255</td>
<td>18,693</td>
<td>18,575</td>
<td>18,636</td>
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<tr>
<td>Multifamily Residential</td>
<td>15,109</td>
<td>15,224</td>
<td>15,257</td>
<td>15,828</td>
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<tr>
<td>Commercial</td>
<td>10,636</td>
<td>10,228</td>
<td>9,966</td>
<td>10,610</td>
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<tr>
<td>Industrial</td>
<td>590</td>
<td>583</td>
<td>567</td>
<td>566</td>
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<tr>
<td>Large Irrigation Accounts</td>
<td>2,091</td>
<td>2,229</td>
<td>2,334</td>
<td>2,444</td>
</tr>
<tr>
<td>Non-Revenue*</td>
<td>1,907</td>
<td>1,878</td>
<td>1,868</td>
<td>1,923</td>
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<tr>
<td><strong>Total</strong></td>
<td>49,588</td>
<td>48,836</td>
<td>48,567</td>
<td>50,007</td>
</tr>
</tbody>
</table>

*Includes system losses, unaccounted for water, and fire protection.
Water Demand Forecast Range for LBWD

Forecast based on statistical modeling

Actual

Upper Range:
Planned growth, current conservation, hot/dry future climate

Lower Range:
Slightly less growth, expanded conservation, cool/wet historical climate
Next Steps for Water Resources Plan
Next Steps for WRP Development

1) Develop **planning scenarios** that include different assumptions regarding future climate, water demands, and MWD supplies
   - Example: **Ideal Conditions Scenario** would include no climate change, lower LBWD water demands, successful implementation of California WaterFix and MWD’s Carson indirect potable reuse project

2) Estimate range of potential **water supply needs** for LBWD under planning scenarios

3) Identify and rank new LBWD **water supply projects** and management strategies

4) Develop **adaptive management approach** to implement recommendations for WRP
<table>
<thead>
<tr>
<th>Date</th>
<th>Meeting Details</th>
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</thead>
<tbody>
<tr>
<td>November 5, 2018</td>
<td>Stakeholder Meeting No. 2 – Focus on water demands, planning scenarios and</td>
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<td></td>
<td>potential water supply gaps</td>
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<tr>
<td>Early January 2019</td>
<td>Stakeholder Meeting No. 3 – Focus on identifying new water supply projects for</td>
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<td>LBWD</td>
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<tr>
<td>Late March 2019</td>
<td>Board Workshop No. 2 – Focus on ranking water supply projects for LBWD and draft</td>
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<td>adaptive management approach for WRP</td>
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<tr>
<td>Late April 2019</td>
<td>Stakeholder Meeting No. 4 – Draft WRP recommendations and final comments</td>
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<tr>
<td>SUNDAY</td>
<td>MONDAY</td>
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<tr>
<td>2</td>
<td></td>
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<tr>
<td>HANUKKAH BEGINS AT SUNDOWN</td>
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<td>24</td>
<td>25</td>
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<tr>
<td>CHRISTMAS EVE</td>
<td>CHRISTMAS DAY HOLIDAY ADMIN OFFICES CLOSED</td>
</tr>
<tr>
<td>30</td>
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<td>31</td>
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<tr>
<td>SUNDAY</td>
<td>MONDAY</td>
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<td>6</td>
<td>7</td>
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<tr>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>20</td>
<td>21 MARTIN LUTHER KING JR DAY ADMIN OFFICES CLOSED</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
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</tbody>
</table>
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 6.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GENERAL MANAGER’S REPORT
Board of Water Commissioners
November 1, 2018 Board Meeting

Subject:
Authorize the General Manager to execute all documents necessary, including any as-needed contracts, for the relinquishment of the City of Long Beach Water Department’s Right of First Refusal, pertaining to real property located at 2400 East Wardlow Road and 2401 East Wardlow Road (APN’s 7149-003-017, 7149-003-018, 7149-006-053, 7149-008-004, 7149-008-007, 7149-008-012, 7149-008-015, and 7149-008-016), District 5.

Executive Summary:
On December 10, 1981, the City of Long Beach (City) and the Board of Water Commissioners of the City authorized Real Estate Sales Agreement No. 15651 (Agreement). The subject Agreement was for the sale of real property located at 2400 E. Wardlow Road and 2401 E. Wardlow Road (Subject Property) to McDonnell Douglas Corporation (MDC) for aircraft manufacturing. The sale included provisions for the reservation of aviation easements, water rights, oil, gas, and minerals. Additionally, a provision for the Long Beach Water Department’s (LBWD) Right of First Refusal was included in the sale. This provision provided LBWD the opportunity to purchase the Subject Property for the same price as a bona fide third party’s offer.

In 1997, MDC merged with The Boeing Company (Boeing).

On September 10, 2018, Boeing notified LBWD of its intent to dispose of the Subject Property. In return for release, Boeing will grant LBWD certain well and pipeline easements for the possible development of two future wells on the site. To facilitate the sale and economic development of the Subject Property, staff recommends the relinquishment of the LBWD’s Right of First Refusal regarding the use of Subject Property.

The matter was reviewed by Deputy City Attorney, Richard F. Anthony, on October 3, 2018.

Recommendation/Fiscal Impact
Authorize the General Manager to execute all documents necessary, including any as-needed contracts, for the relinquishment of the City of Long Beach Water Department’s Right of First Refusal, pertaining to real property located at 2400 East Wardlow Road and 2401 East Wardlow Road (APN’s 7149-003-017, 7149-003-018, 7149-006-053, 7149-008-004, 7149-008-007, 7149-008-012, 7149-008-015, and 7149-008-016), District 5.

Fiscal Impact:
Approval of this recommendation will have no fiscal impact. The property is privately held and LBWD does not have any liabilities related to a private sale.

Sean Crumby, P.E.
Deputy General Manager of Engineering

Christopher J. Garner
General Manager
Board of Water Commissioners
October 25, 2018 Board Meeting

Subject:
Authorize the General Manager to execute an Agreement with HDR Engineering, Inc., to provide Engineering Consulting Services for the Tank Master Plan Update Project (EO-3455), in an amount not-to-exceed $321,538.

Executive Summary:
Staff solicited proposal from five (5) engineering consulting firms to provide Engineering Consulting Services for the Tank Master Plan Project. Three (3) proposals were received and analyzed. Staff recommends HDR Engineering, Inc., based on their experience on similar projects, project understanding, specific techniques and methods used, resource availability, and reasonableness of fee. The Not-to-Exceed fee for the services is $321,538 and the duration of the Agreement is one year from the Notice to Proceed.

Recommendation/Fiscal Impacts
Authorize the General Manager to execute an agreement with HDR Engineering, Inc., to provide Engineering Consulting Services for the Tank Master Plan Update Project (EO-3455), in an amount not-to-exceed $321,538.

Fiscal Impact: The funds are included in the FY 18/19 CIP budget (Water Funds).

Sean Crumby, P.E. Date
Deputy General Manager of Engineering

Christopher J. Garner Date
General Manager
PROFESSIONAL ENGINEERING CONSULTING SERVICES
FOR THE TANK MASTER PLAN UPDATE PROJECT (EO-3455)

CONSULTANT EVALUATION FORM

DATE: SEPTEMBER 12, 2018

<table>
<thead>
<tr>
<th>CONSULTANT</th>
<th>RANKING</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDR Engineering, Inc.</td>
<td>1</td>
</tr>
<tr>
<td>V&amp;A Consulting Engineers</td>
<td>2</td>
</tr>
<tr>
<td>AKM Consulting Engineers</td>
<td>3</td>
</tr>
<tr>
<td>Ucorr</td>
<td>No Proposal</td>
</tr>
<tr>
<td>AECOM</td>
<td>No Proposal</td>
</tr>
</tbody>
</table>
Tank Master Plan Update

November 1, 2018

Presented by

Sean Crumby
Background

Why Do We Need Storage?
- Fire Protection
- Peak Demands (Diurnal)
- System Pressure

Why Tanks Not Reservoirs?
- Secure
- Expandable
- Easier to Maintain
Alamitos Reservoir

- **Year Constructed:**
  - ALA 1 – ALA 8, **1923**
  - ALA 9 – ALA 12, **1935**
  - ALA 13 – ALA 23, **1949**
  - ALA 24, **2005**
- 24 x 3.3 Million Gallon Tanks
- 132 Foot Diameter
- 35 Feet High
J. Will Johnson Reservoir

- **Year Constructed:** 1949
- **12 x 3.3 Million Gallon Tanks**
- **132 Foot Diameter**
- **35 Feet High**
Previous Projects Completed

- JWJ No 8
- JWJ No 9-12
- Alamitos No. 7&8
- JWJ No 7
- Alamitos No. 21
- Alamitos No. 24
- Alamitos No. 1
- Alamitos No. 2
- Alamitos No. 3
- Alamitos No. 9
- JWJ No 1
- Alamitos No. 12
- JWJ No 2
- Alamitos No. 4
- JWJ and Alamitos Safety Improvements and OSHA Compliance
What Does Tank Rehabilitation Include?

- Remove and Replace Tank Coating
- Replace Roof
- Update Tank Structural Reinforcing
- Seismic Upgrades
- Safety Improvements
- Cathodic Protection (Anodes)
Tank Interior Coating

Failed Interior Coating
Tank Interior Coating

New Interior Coating
Structural Reinforcing

Tank Wall Upgrades
Structural Reinforcing

Steel Beam Upgrades
Tank Roof

Damaged Screens

Damaged Wood Planking
Tank Roof

Damaged Lumber Repairs

Full Section Plywood Repairs
Tank Roof

Weather Coating and Screen Upgrades
Upgrade Safety Components

Non-Compliant Access
Upgrade Safety Components

OSHA Compliant Upgrades
Modifications Inlet/Outlet Piping

Inlet Relocated and Reinforced

Outlet Relocated and Reinforced
Questions?
Authorize the General Manager, or designee, to execute a lease-purchase agreement and related financing documents with Banc of America Public Capital Corp, for the financing of the Advanced Meter Infrastructure Project, in an amount not to exceed $36,000,000, including cost of issuance, principal and interest, payable over a fifteen-year period.

Executive Summary:

Advanced Metering Infrastructure, more commonly known as AMI, is an integrated network of smart meters, communication collectors, and data management systems that allow water meters to be read automatically and uploaded electronically. Automating the meter reading process allows utilities to achieve operational efficiencies and cost savings, and AMI can also allow customers to receive personal hourly consumption information to help them better understand and change their usage patterns to better facilitate water efficiency.

At the Board of Water Commissioners meeting of July 26, 2018, the Board authorized the General Manager to move forward on implementation of the LBWD AMI Program. This included an authorization to initiate the process with the City Treasurer and City Attorney to obtain project financing in support of the AMI project, and to return to the Board and City Council for approval of such project financing.

The AMI Project cost to be financed is approximately $27.4 million. The City Treasurer proposes utilizing the City’s Master Lease Agreement (MLA) between the City (“Lessee”) and Banc of America Public Capital Corp (“Lessor”). The MLA serves as a financing vehicle and was used to finance the Energy Resources Department’s AMI Project. The LBWD plans to enter into a lease-purchase agreement, under the terms and conditions of the MLA, to finance the AMI Project. A lease-purchase is a financing mechanism generally utilized to purchase assets with a useful life of 15 years or less. Based on current market conditions and subject to change, a lease-purchase would provide a competitive tax-free financing rate of approximately 3.50%.

Several legal and related documents are required to be executed to implement the lease-purchase. LBWD staff has worked closely with the City Treasurer’s Office and City Attorney’s Office in developing the documents. This authorization will approve and direct execution of the following documents and certain actions related thereto:
• Project Addendum to the Master Lease Agreement
• Opinion of Counsel
• Incumbency Certificate
• Acquisition Fund Account Control Agreement
• Schedule of Property

Subsequent to the Board’s approval, the City Council of the City of Long Beach must also approve the lease-purchase agreement by the Board of Water Commissioners on behalf of the City of Long Beach.

Staff Recommendation/Fiscal Impacts

Authorize the General Manager, or designee, to execute a lease-purchase agreement and related financing documents with Banc of America Public Capital Corp, for the financing of the AMI Project, in an amount not to exceed $36,000,000, including cost of issuance, principal and interest, payable over a fifteen-year period.

Fiscal Impact:
The lease-purchase agreement for the AMI Project, including cost of issuance, principal and interest, will not exceed $36,000,000. The estimated annual lease payment will be approximately $2,351,000 over the next fifteen years to be paid equally by Water Enterprise Fund and Sewer Enterprise Fund revenues, and have been budgeted in each fund accordingly for fiscal year 2019. The lease payments will be partially offset by savings from the elimination of the manual meter reading contract with Corix, with these savings to LBWD expecting to reach approximately $1.5 million annually.

B. Anatole Falagan
Assistant General Manager

Christopher J. Gamer
General Manager
Authorize Execution of a Lease-Purchase Agreement with Banc of America Public Capital Corp for Financing of the Advanced Metering Infrastructure (AMI) Project

Presented to the Board of Water Commissioners
November 1, 2018
For Today

Overview of Lease-Purchase Agreement
• Objectives and Transaction Structure
• Benefits

Next Steps

Staff Recommendation
Overview of Lease-Purchase Agreement

Objectives and Structure
July 26, 2018 Board authorization for LBWD AMI program

AMI project costs to be financed
• Approximately $27.4 million out of total $28.8 million program costs

Utilize existing City Master Lease Agreement (MLA) with Banc of America Public Capital Corp (Lessor)
• LBWD (Lessee) Lease-Purchase financing agreement
  • Project Addendum to the MLA
  • 15 year term, matches useful life of equipment
  • Bank funds $27.4 million into Acquisition Fund escrow account with Union Bank
  • Bank (Lessor) is legal owner of the assets for duration of lease term
  • LBWD (Lessee) retains operating control and usage of assets
Objectives and Structure (Cont.)

- LBWD (Lessee) Lease-Purchase financing agreement
  - Interest rate estimate ~ 3.5%. Based on current market conditions, subject to change until locked-in.
  - Est. monthly lease payments total approx. $2.35 million annually
    - Paid equally from Water and Sewer Funds, included in FY19 Budget
    - Partial offset by $1.5 million annual savings from elimination of Corix manual meter reading contract
  - Total lease-purchase costs not to exceed $36 million over 15 years, includes cost of issuance, principal and interest
Overview of Lease-Purchase Agreement

Benefits:

Pricing
• Interest rate comparable to tax-exempt bond issuance
• Interest rate risk - ability to lock-in rate 14 days before funding

Ease of issuance
• Existing MLA, minimal documentation compared to bond issuance
• Low cost of issuance
• Funding/Timing ~ 3 month turnaround

Flexibility
• Unspent proceeds in escrow account applied to principal balance
• Prepayment option - can be paid off after 7 years
Next Steps

• Finalize all legal and other required documents
• City Council Approval – December 11
• Funding ~ December 21
Recommendation

Authorize the General Manager, or designee, to execute a lease-purchase agreement and related financing documents with Banc of America Public Capital Corp, for the financing of the Advanced Meter Infrastructure Project, in an amount not to exceed $36,000,000, including cost of issuance, principal and interest, payable over a fifteen-year period.
ITEM 10.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

WATER SUPPLY UPDATE
Water Supply Update

Board of Water Commissioners

November 1, 2018
Long Beach continues to conserve

Water Use (AF)

<table>
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<th>Year</th>
<th>Water Use (AF)</th>
<th>Change</th>
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<tr>
<td>2013</td>
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<tr>
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<tr>
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<td>-11.8%</td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
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</table>
Colorado River Supply

0% likelihood of shortage projected for 2019
State Water Project Supply

- Allocation determined annually
  - Based on precipitation, runoff, and other conditions
- 2018 allocation = 35%
  - Historical average = 57%
MWD has multiple years of storage reserves
Summary of Water Supply Conditions

1. Water demand remains low and is not projected to “rebound”

2. Regional supplies and storage are in good shape for 2019
ITEM 11.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
AGENDA
BOARD OF WATER COMMISSIONERS
SPECIAL MEETING OF THURSDAY, OCTOBER 25, 2018, AT 9:00 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

1. Pledge of Allegiance

2. Public Comment:

GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

3. Closed Session (two items):

1. Closed session pursuant to California Government Code Section 54957(a) with David Lopez, Manager, Security and Emergency Preparedness, to discuss and assess threats to public services or facilities.

2. Closed session pursuant to Section 54956.8 of the California Government Code regarding a conference with the City's real property negotiator:

   Property: 2400 and 2401 East Wardlow Road
   Long Beach, CA 90807
   Board’s Negotiator: Christopher J. Garner, General Manager
   Negotiating Parties: Board of Water Commissioners and The Boeing Company
   Under Negotiation: Price and Terms

4. Approval of Minutes – August 30, 2018 Special Meeting & August 30, 2018 Prop 218 Hearing

5. President’s Report
   • Gloria Cordero, President, Board of Water Commissioners

6. General Manager’s Report
   • Christopher J. Garner, General Manager

7. Unfinished Business: The following item was held over from the September 20, 2018 Regular Meeting:

   Adopt Specifications WD-27-18 and authorize the General Manager to execute an agreement with Allied Universal Security Services to provide security services to the Long Beach Water Department (LBWD) in an amount not to exceed $366,166.68 for a one-year period, and to exercise the options to renew two additional one-year periods. A 5% increase will be imposed for each renewal year, which would bring the final year of contract services to $403,513.67
   • B. Anatole Falagan, Assistant General Manager
8. Authorize the General Manager to execute an Agreement with HDR Engineering, Inc., to provide Professional Engineering Services for the Tank Master Plan Update Project (EO-3455), in an Amount Not-to-Exceed $321,538
   • Sean Crumby, P.E., Deputy General Manager of Engineering

9. Authorize the General Manager to execute an agreement with AKM Consulting Engineers, to provide professional engineering services for the 2018 Water Distribution System Master Plan (EO-3446), in the amount not-to-exceed $484,820.00
   • Sean Crumby, P.E., Deputy General Manager of Engineering

10. Adopt Specifications WD-35-18 for the Siphon Replacement at Cedar Avenue and 52nd Street (SC-0342) and authorize the General Manager to sign a construction contract with Charles King Company in the amount of $189,408.00
    • Sean Crumby, P.E., Deputy General Manager of Engineering

11. Long Beach Water Department Web Redesign Update
    • Kaylee Weatherly, Public Information Officer

12. State Conservation Mandate Update (Held over from September 20, 2018 Meeting)
    • Dean Wang, Conservation Specialist

13. Report of the Metropolitan Water District (MWD) Board Meeting on October 9, 2018
    • Gloria Cordero, Metropolitan Water District Director

14. Consider Standing Committee Referrals
    • Gloria Cordero, President, Board of Water Commissioners

15. New Business

16. Adjournment to the next Regular Meeting, Thursday, November 1, 2018, at 9:00 a.m.
    in the Board Room at 1800 E. Wardlow Road, Long Beach, CA

Written materials relating to any item on the Commission's agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807. If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.
If language translation of the Commission agenda and minutes for non-English speaking persons is desired please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Commission meeting.

Kung ang pagsasalin-wika ng adyenda at mga katitikan ng Komisyon ay hinahangad para sa mga taong hindi nagsasalita ng Ingles mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 pitong oras bago ang pulong ng Komisyon.

Si desea obtener la traducción lingüística de la agenda y las actas de la Comisión para las personas que no hablan inglés, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión.
ITEM 3.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CLOSED SESSION:
Pursuant to California Government Code Section 54957(a) with David Lopez, Manager, Security and Emergency Preparedness, to discuss and assess threats to public services or facilities.

CLOSED SESSION:
Pursuant to Section 54956.8 of the California Government Code regarding a conference with the City’s real property negotiator:

Property: 2400 and 2401 East Wardlow Rd Long Beach, CA 90807
Board’s Negotiator: Christopher J. Garner, General Manager
Negotiating Parties: Board of Water Commissioners and The Boeing Company
Under Negotiations: Price and Terms
MINUTES
SPECIAL MEETING OF THE BOARD OF WATER COMMISSIONERS
LONG BEACH, CALIFORNIA
AUGUST 30, 2018

The Board of Water Commissioners of the City of Long Beach met in the Assembly Room at the Treatment Plant, 2950 Redondo Avenue, Long Beach, California, on August 30, 2018.

The meeting was called to order at 5:31 p.m. by President Shannon.

PRESENT:
Robert Shannon  Commissioner
Gloria Cordero  Commissioner
Harry Saltzgaver  Commissioner
Frank Martinez  Commissioner
Arthur Levine  Commissioner
Richard Anthony  Deputy City Attorney
Christopher J. Garner  General Manager
Sandra L. Fox  Executive Assistant to the Board of Water Commissioners
B. Anatole Falagan  Assistant General Manager

Lana Haddad  Director of Government & Public Affairs
Paul T. Fujita  Director of Finance
Sean Crumby  Deputy General Manager – Engineering
Kaylee Weatherly  Public Information Officer
Dynna Long  Office Administrator
Ernie Ankele  Business Systems Specialist III

ABSENT:
Lisa Squires  Executive Assistant to the General Manager
Tai Tseng  Assistant General Manager – Operations
Robert Verceles  Manager, Engineering
Abelardo Rendon  Manager, Engineering
Jennifer Rojas  Superintendent Sewer Operations
Robert Katzenberger  Superintendent Water Services
Ken Bott  Manager, Administration
Mike Salas  Superintendent of Water Construction
Dean Wang  Conservation Specialist
Jenyffer Vasquez  Assistant Administrative Analyst
Monya Hawkins  Manager, Information Services
Doug McKee  Treatment Operations Superintendent
Greg Sorensen  Manager of Budget and Rates
Liza Gutierrez  Manager, Support Services
Cynthia Andrews-Tate  Water Laboratory Manager
Patrizia Hall  Manager, Engineering
Chris Pincherli  Construction Services Officer

1. PLEDGE OF ALLEGIANCE

Sandy Fox, led the Board and audience in the Pledge of Allegiance.
2. CLOSED SESSION: ANTICIPATED LITIGATION – CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL RELATED TO ANTICIPATED LITIGATION PURSUANT TO PARAGRAPH (2) OF SUBDIVISION (D), AND PARAGRAPH (1) AND/OR PARAGRAPH (5) OF SUBDIVISION (E) OF SECTION 54956.9 OF THE CALIFORNIA GOVERNMENT CODE. (ONE MATTER)

President Shannon read the closed session language into the record and called for any public comment. Hearing none, he adjourned the Board to the closed session at 5:32 P.M.

President Shannon reconvened the meeting at 5:59 P.M. and advised there was no reportable action from the closed session.

He called for any public comment regarding the closed session. Hearing none, he moved on in the agenda.

3. PUBLIC COMMENT

President Shannon opened the public comment period.

As there was no public comment, the public comment period was closed.

4. APPROVAL OF MINUTES – JUNE 21, 2018 & JUNE 28, 2018

President Shannon called for a motion to approve the minutes.

Commissioner Levine made a motion to approve the minutes of June 21, 2018 and June 28, 2018. Commissioner Cordero seconded the motion.

President Shannon called for the vote. The motion carried unanimously.

5. REVIEW BOARD MEETING SCHEDULE FOR SEPTEMBER 2018

President Shannon reviewed the meeting dates for September 2018.

Commissioner Cordero reported that she would be absent from the September 6, 2018 Board meeting and asked to be excused.

The Board confirmed the following meeting dates for September 2018:

- September 6, 2018 – 9:00 A.M. – Regular Meeting
- September 20, 2018 – 9:00 A.M. – Regular Meeting
6. **PRESIDENT’S REPORT**
   - Robert Shannon, President, Board of Water Commissioners

   President Shannon provided a summary of the Meals on Wheels August 25, 2018 5K Run, Walk and Roll event, and thanked those who participated.

   President Shannon commented on a possible date conflict for the upcoming State of the County luncheon scheduled for November 29, 2018. He noted this date would be in conflict for anyone planning on attending the ACWA fall conference. He asked the Board members regarding their attendance for the State of the County luncheon. Commissioner Martinez advised he would be out of town and unable to attend either event. Commissioner Saltzgaver, Cordero and Levine advised they would be attending the lunch. President Shannon advised he needed to check his schedule.

7. **GENERAL MANAGER’S REPORT**
   - Christopher J. Garner, General Manager

   President Shannon called on Mr. Garner for his report.

   **MEETING WITH NEW PARKS, RECREATION & MARINE DIRECTOR**

   Mr. Garner reported that he recently had a productive lunch meeting with the new Parks, Recreation and Martine Director, Gerard Mouet. He advised that one of the topics they had discussed was the ongoing parks irrigation issues. He advised he had requested that they provide the Water Department with a list of potential projects that LBWD and Parks could work on together.

   **LEGISLATIVE UPDATE REGARDING SB 844, SB 845 and SB 998**

   Mr. Garner called on Ms. Haddad for the following report:

   Ms. Haddad noted that the two-year California legislative session would come to a close on August 31, 2018 at midnight. She reviewed the legislative process, noting as the session ends on August 31st, the Governor would then have thirty days to sign or veto bills on his desk. She advised that bills that he neither signs or vetoes would become law.

   She then reported on the following dates:
   - November 6, 2018 – General Election
   - California Legislature reconvenes December 3rd
   - Legislature calendar for next year had not yet been released, but she noted the new two-year session usually begins the following new year.
She then provided a status update on the following bills:

- SB 998 (Dodd) – Discontinuation of residential water service = urban and community water systems – Water Service Shut-Offs
- SB 844 (Vidak) and SB 845 (Monning) Safe and Affordable Drinking Water

There were general Commissioner comments regarding these three bills.

Commissioner Cordero asked Ms. Haddad to comment on the Calvert rider bill to the draft Federal spending bill banning lawsuits being filed against the California Water Fix. Ms. Haddad reported the various positions being made by local water agencies regarding this issue. She advised that Metropolitan Water District (MWD) currently has a watch position on this bill. She noted that LBWD had not taken a position on the bill, outlining the reasons behind this decision.

Mr. Garner thanked Ms. Haddad for her work on following these bills; and her work with The Gualco Group staff and other local water agencies regarding these issues.

Commissioner Cordero thanked Ms. Haddad and Mr. Falagan for assisting her with background information on these issues which proved very useful to her during her discussions as a Director at MWD.

President Shannon called for any other Commissioner comments. He then called for any public comment regarding this report. Hearing none he moved on in the agenda.

8. DIRECT THE GENERAL MANAGER TO EXECUTE THE AMENDMENT TO THE MEMORANDUM OF UNDERSTANDING BETWEEN THE DEPARTMENT OF DEVELOPMENT SERVICES AND THE LONG BEACH WATER DEPARTMENT TO PROVIDE PARTIAL FUNDING TO THE CITY’S OFFICE OF SUSTAINABILITY FOR A TERM ENDING SEPTEMBER 30, 2019, INCREASING THE ESTIMATED ANNUAL CONTRIBUTION FROM $65,000 TO $80,000
- Christopher J. Garner, General Manager

President Shannon introduced agenda item 8., and reported that he normally calls on his fellow Commissioners to speak first regarding an agenda item, but advised in this instance he would be making opening remarks. He reviewed the MOU, the amendment to the MOU and the memo from Assistant City Attorney, Tom Modica dated Jun 11, 2018. He advised that the underlying Memorandum of Understanding is flawed. He referenced the MOU language regarding the purposed of the Office of Sustainability, noting the appearance of duplication of effort.

He noted the current MOU has been signed and is in effect until September 30, 2019. He proposed that the Board choose to adhere to the terms of the original MOU.
President Shannon then called for any Commissioner comments.

Commissioner Levine advised he shared the views expressed by President Shannon.

Commissioner Cordero noted she also shared the concerns expressed by President Shannon. She suggested the content of the MOU be revisited.

She inquired about the quarterly reports submitted by the Office of Sustainability.

Mr. Garner advised that the quarterly reports are attached to the invoices they submit.

Commissioner Cordero suggested that the Board receive detailed quarterly reports outlining where the Office of Sustainability had spent these funds. She suggested that either a Board Ad Hoc Committee or one of the existing Board Standing Committees consider taking a periodic administrative review of this MOU for monitoring of the programs being administered under this MOU.

Commissioner Saltzgaver advised he agreed with the previous comments regarding the tone of the MOU. He noted that the department only pays for services received with a cap of $65,000, or a cap of $80,000 per the MOU.

He inquired if the department had been billed at the maximum level each year since the MOU had been signed.

Mr. Garner responded no. He noted that the actual payments had been less than the $65,000 cap.

Commissioner Saltzgaver inquired if the $15,000 requested MOU increase could in some way be used as leverage to change the tone of the amended MOU.

He noted that since the existing MOU is scheduled to end in just a little over a year, he suggested that staff should be in discussions in re-structuring the new MOU to change the misconception that the Office of Sustainability has overview of water-related policy, etc.

Mr. Garner responded that he has already reached out to Assistant City Manager, Tom Modica, noting that going into 2019 the LBWD wanted to revisit the entire MOU, including all the language in the current MOU.

Commissioner Martinez agreed with his fellow Commissioners regarding the language contained in the MOU. He especially expressed concern about the language that was an overlap of the LBWD conservation programs.

He also inquired about the reasoning behind Public Work’s reduction in their contribution to the Office of Sustainability.

Mr. Garner responded to this inquiry.
Commissioner Levine recommended that the Board look at the MOU long before its expiration date; and decide if the department will even want to enter into this type of MOU for future years. He suggested that a lot of the responsibilities contained in the current MOU could be formally taken over by LBWD staff.

President Shannon inquired if the General Manager had signed this MOU in the past without Commission approval which was well within the rights of the General Manager.

Mr. Garner confirmed that this was correct.

President Shannon noted that this practice needed to be changed, as this type of MOU, and possibly others of this type, should be reviewed by the Board of Water Commissioners before approval.

President Shannon made a motion that the Board authorize a maximum of $65,000 for the MOU period of October 1, 2018 – September 30, 2019; and that staff be required to follow-up with the City prior to the expiration of the current MOU, and report back to the Commission prior to signing off on any further obligations related to this MOU for 2019. Commissioner Levine seconded the motion.

President Shannon called for any further Commissioner comments. Hearing none, he called for the vote. The motion carried unanimously.

9. ADOPT RESOLUTION NO. WD-1399 AUTHORIZING THE GENERAL MANAGER TO ENTER INTO A CONTRACT WITH TRIBUS SERVICES TO PROVIDE A WATER METER BOX COVER SURVEY IN AN AMOUNT NOT TO EXCEED $46,000

- B. Anatole Falagan, Assistant General Manager

Mr. Wang provided background information regarding the water meter box cover survey.

President Shannon called for any public comment regarding agenda item 9. Hearing none he called for any Commissioner comments.

Commissioner Cordero inquired about the benefit of using the current meter reading group. Mr. Wang responded.

Commissioner Saltzgaver commented on a previous extensive and expensive survey with Tribus that had been conducted regarding the meter box sizes. He requested an explanation for this additional survey.

Mr. Wang provided a response to this inquiry.

Mr. Falagan advised this additional survey would refine the knowledge base to the department regarding box lid types that would be very useful throughout the administration of the AMI program.
Commissioner Saltzgaver advised that in hindsight this item should have been included in the original survey.

Commissioner Martinez inquired if there were perhaps any other elements that had been overlooked in preparation of the deployment of the AMI program.

Mr. Wang responded; noting that the many custom size existing lids had not been included in the department check-list at the beginning of the study of the AMI program.

Commissioner Martinez noted he was disturbed that staff had not captured this element during the initial studies. He advised he thought staff had consulted with other agencies who already had AMI deployed to provided information regarding their programs.

Mr. Falagan responded to Commissioner Martinez's concerns.

Commissioner Saltzgaver made closing comments regarding this issue.

President Shannon called for any other Commissioner Comments. Hearing none he called for the motion.

Commissioner Saltzgaver made a motion to Adopt Resolution No. WD-1399 authorizing the General Manager to enter into a Contract with Tribus Services to provide a water meter box cover survey in an amount not to exceed $46,000. Commissioner Cordero seconded the motion.

President Shannon called on Ms. Fox for a Roll Call vote.

A Roll Call vote was taken as follows:

AYES: COMMISSIONERS: GLORIA CORDERO; HARRY SALTZGAEVER; FRANK MARTINEZ; ART LEVINE; ROBERT SHANNON
NOES: COMMISSIONERS: NONE
ABSENT: COMMISSIONERS: NONE
ABSTAIN: COMMISSIONERS: NONE

The motion carried unanimously.

10. REPORT OF THE METROPOLITAN WATER DISTRICT (MWD) BOARD MEETING ON AUGUST 21, 2018
   • Gloria Cordero, Metropolitan Water District Director

Director Cordero provided the following report:
She noted that MWD continues to study how to better serve the disadvantaged, under-served communities regarding conservation programs. She noted that several meetings had been held by the MWD Conservation and Local Resources Committee regarding this issue. She noted that MWD is taking a serious look at how to better reach these sectors in the communities. She advised that LBWD staff had been involved in these discussions, and noted the department is well-positioned to support MWD in their efforts regarding this issue.

She reported that MWD will be holding their elections in the next month, and advised the Board members she would keep them updated on this matter.

President Shannon called for any public comment regarding this report. Hearing none he moved on in the agenda.

11. **Consider Standing Committee Referrals**
   - Robert Shannon, President, Board of Water Commissioners

   President Shannon called for any Standing Committee referrals.

   President Shannon noted that a meeting of the Board Policy Handbook committee was pending. Ms. Fox advised she would be scheduling this meeting shortly.

   Commissioner Levine suggested that a Communications Standing Committee meeting should be scheduled to discuss LBWD providing support for lower income residents.

   Mr. Anthony advised a motion was needed to refer this item to the Communications Standing Committee.

   President Shannon made a motion to have the Communications Standing committee meet to discuss ways to provide support for lower income residents. Commissioner Martinez seconded the motion.

   President Shannon called for the vote. The motion carried unanimously.

12. **NEW BUSINESS**

   President Shannon called for any new business.

   Commissioner Cordero suggested that the issue of sustainability should be referred to one of the Standing Committees.

   President Shannon reviewed the previous motion language regarding the Sustainability MOU.
Commissioner Cordero suggested that the issue of sustainability should be placed with the Communications Standing Committee.

President Shannon concurred that this makes sense.

President Shannon then noted that with the new fiscal year and change-over in Board Presidents that it would make sense to hold this issue over until the new President was in place.

President Shannon asked Mr. Garner what might be a good date for the issue of sustainability to be considered by the full Board.

Mr. Garner advised he would be scheduling a meeting with Assistant City Manager, Tom Modica to discuss the sustainability issue within the next few days. He advised that he is aware that the other contributing departments are also interested in looking at the issue and the MOU and expects those discussions to take place over the next few months.

Commissioner Cordero advised she suspected the other departments would have the same concerns that the Board has expressed.

Mr. Garner suggested that he first have his meeting with Mr. Modica before any discussions are held with the Sustainability Commission. He also advised he felt the other departments shared in the concerns as noted by the Board.

President Shannon suggested that a follow-up discussion on sustainability be set for a future Board meeting to be set within two months.

Commissioner Saltzgaver advised he wanted to make it clear that the Board of Water Commissioners is all in favor of the goal of sustainability for the community. He noted for the record that the concerns were not the goal, but the steps being taken to achieve that goal.

President Shannon pointed out that Commissioner Saltzgaver does not speak for the entire Commission. There were additional comments made regarding this issue. It was decided by the two Commissioners that they would have a private discussion regarding this issue.

Commissioner Saltzgaver further advised that his concerns are with the process in achieving the goal. He suggested that a further discussion of this issue be formalized for a future meeting.

Commissioner Saltzgaver commented on the recent Urban Water Institute Conference held in San Diego. He advised the sessions were some of the best that they had ever presented. He advised he would like this conveyed to the leadership of that organization.

President Shannon added that it was an excellent conference. He asked Commissioner Levine to convey these comments to his fellow UWI Board members.
President Shannon called for any other new business. Hearing none he moved onto adjournment.

13. ADJOURNMENT

There being no further business to come before the Board, President Shannon adjourned the special meeting at 6:49 p.m. to the next special meeting for the Water Commission to be held August 30, 2018 at 7:00 p.m., in the Assembly Room of the Treatment Plant, 2950 Redondo Avenue, in Long Beach, California.

___________________________
Frank Martinez, Secretary

Attest:

___________________________
Gloria Cordero, President
The Board of Water Commissioners of the City of Long Beach met in the Assembly Room of the Long Beach Treatment Plant, 2950 Redondo Avenue, Long Beach, California, on August 30, 2018.

The meeting was called to order at 7:00 p.m. by President Bob Shannon.

**PRESENT:**

- Robert Shannon, Commissioner
- Gloria Cordero, Commissioner
- Harry Saltzgaver, Commissioner
- Frank Martinez, Commissioner
- Arthur Levine, Commissioner
- Richard Anthony, Deputy City Attorney
- Christopher J. Garner, General Manager
- Sandra L. Fox, Executive Assistant to the Board of Water Commissioners
- B. Anatole Falagan, Assistant General Manager
- Tai Tseng, Assistant General Manager - Operations
- Sean Crumby, Deputy General Manager – Engineering
- Paul Fujita, Director of Finance
- Lana J. Haddad, Director of Government & Public Affairs
- Kaylee Weatherly, Public Information Officer
- Dynna Long, Office Administrator
- Daniel Gutierrez, Administrative Analyst I
- Ernie Ankele, Business Systems Specialist III
- Steve Frazier, Business Systems Specialist III

**ABSENT:** NONE

1. **PLEDGE OF ALLEGIANCE**

Frank Martinez led the Board and audience in the Pledge of Allegiance.

2. **ROLL CALL**

Sandra Fox, Executive Assistant to the Board called the roll.
Commissioners Present: Shannon; Cordero; Saltzgaver; Martinez; Levine

3. OPEN PUBLIC HEARING

President Shannon opened the public hearing and introduced the topic of the public hearing. He explained the procedures for the public hearing, and noted that Board members and Water Department staff would be available after the public hearing adjourned to answer any questions.

President Shannon then called on the Board Executive Assistant to call public speakers to the microphone.

4. PUBLIC COMMENT

Sandra Fox, Executive Assistant to the Board called on the following public speakers:

- Ms. Renee Lawler of 3005 San Francisco Avenue, Long Beach, CA who spoke.

President Shannon called for the next speaker.

Sandra Fox, Executive Assistant to the Board called on:

- Mr. Joe Geever of 235 Loma Avenue, Long Beach, CA who spoke.

President Shannon clarified that contrary to Mr. Geever’s remarks, the Board of Water Commissioners took no position on Measure M.

Sandra Fox, Executive Assistant to the Board called on:

- Ms. Gordana Kajer of 235 Loma Avenue, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called on:

- Ms. Diana Lejins of 3515 Josie Avenue, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called on:

- Ms. Ann Cantrell of 3106 Claremore, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called on:

- Ms. Karey Sharp of 2832 Tulane, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called on:
• Ms. Corliss Lee of 3072 Knoxville, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called on:

• Ms. Melinda Cotton of 158 Park Avenue, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called on:

• Ms. Carolyn Byrnes of 1433 E. First Street, Long Beach, CA who spoke.

Sandra Fox, Executive Assistant to the Board called for anyone else who wished to speak.

• Mr. Joe Weinstein of 4000 Linden Avenue, Long Beach, CA spoke.

President Shannon called for anyone else wishing to speak at the Public Hearing.

• Ms. Carolyn Byrnes returned to the microphone and thanked the Commission for holding the public hearing at 7:00 P.M.

• Mr. Raman Vasisth of 3250 Iroquois Avenue, Long Beach, CA spoke.

President Shannon called for any additional speakers.

• Ms. Laura Brewer (no protest sheet) of 4417 Graywood, Long Beach, CA spoke.

At this point in the hearing, President Shannon advised that the Board would not be answering any questions during the hearing. He explained that the Board and staff would be available to answer questions at the end of the hearing.

• Ms. Melody Walsh (no protest sheet) – no address provided – spoke.

President Shannon called for any additional speakers. Hearing none he called for any Commissioner comments.

Commissioner Levine thanked the members of the audience for their attendance, and particularly pointed out those that had spoken expressing their concerns. He invited members of the audience to continue to dialogue with the Commissioners and staff after the adjournment of the meeting.

President Shannon called for any additional Commissioner comments.

Commissioner Cordero advised she echoed the comments of Commissioner Levine, and advised those in attendance that the Board appreciates the residents. She noted the Board would work with staff in possibly revising the Prop 218 public notice for future hearings. She also advised after hearing several comments from the speakers;
staff would investigate other ways to disseminate the meeting information for future meetings of this type.

President Shannon extended an invitation to the members of the audience to come to the Board of Water Commission monthly meetings.

At this point in the meeting Mr. Chuck Fuller (no protest sheet) addressed the Board.

President Shannon reminded those that were in attendance about the public hearing procedures; and again noted that the Board and staff would be available after the hearing to answer questions.

Mr. Fuller continued his comments at this point in the meeting.

President Shannon called for any other Commissioner comments. Hearing none he closed the public comment portion of the hearing, and called on the City Attorney for comments.

5. CITY ATTORNEY COMMENTS

Mr. Anthony, reported that he would need a minute or two to confer with the Board Executive Assistant to assure he had the complete tally of the protests received.

Mr. Anthony provided background information regarding the procedures required for a Prop 218 public hearing (per State law) to help clear up any possible misunderstandings about what this type of hearing is about.

Mr. Anthony then advised that he had totaled all of the verbal protests, plus written protests received via e-mail or through the mail to the Water Department. He reported that none of these protests had yet been certified by the City Clerk, but he noted he would assume that they would be certified by the City Clerk as legitimate protests. He reported that a total of fifty-seven protests had been received, which was not a majority of the ratepayers as required by State law. He advised therefore that the new water rates if adopted by the City Council would take effect on October 1, 2018.

6. ADJOURNMENT

The Public Hearing was adjourned, at 7:44 p.m.

____________________________________
Frank Martinez, Secretary

Attest:

____________________________________
Gloria Cordero, President
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 6.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GENERAL MANAGER’S REPORT
Board of Water Commissioners  
September 20, 2018 Board Meeting

Subject:
Adopt Specifications WD-27-18 and authorize the General Manager to execute an agreement with Allied Universal Security Services to provide security services to the Long Beach Water Department (LBWD) in an amount not to exceed $366,166.68 for a one-year period, and to exercise the options to renew two additional one-year periods. A 5% increase will be imposed for each renewal year, which would bring the final year of contract services to $403,513.67.

Executive Summary:
Various utilities, including water systems such as LBWD, have been designated as critical infrastructure by the Department of Homeland Security. In order to ensure that LBWD obtains the most qualified security services provider, Specifications WD-27-18 required qualified bidders demonstrate experience providing security services to at least five (5) "critical infrastructure" facilities, and that two (2) are similar in the nature of their operations to LBWD.

Bids for Specifications WD-27-18 were opened on August 23, 2018. Six (6) bids were received and the successful bidder, Allied Universal Security Services, has met or exceeded those specified requirements. Allied Universal Security Services was also the lowest bidder by approximately $25,000.

Staff Recommendation/Fiscal Impacts
Adopt Specifications WD-27-18 and authorize the General Manager to execute an agreement with Allied Universal Security Services to provide security services to the Long Beach Water Department (LBWD) in an amount not to exceed $366,166.68 for a one-year period, and to exercise the options to renew two additional one-year periods. A 5% increase will be imposed for each renewal year, which would bring the final year of contract services to $403,513.67.

Fiscal Impact:
Funding for this agreement is included in the FY 2018-2019 budget for Security Operations.

B. Anatole Falagan  
Assistant General Manager

Christopher J. Garner  
General Manager

Attachment
Bid Results
Professional Security Services
Specifications WD-27-18
Bid Opened on August 23, 2018 at 10:00 A.M.

<table>
<thead>
<tr>
<th>RANK</th>
<th>CONTRACTOR</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Allied Universal</td>
<td>$366,166.68</td>
</tr>
<tr>
<td>2</td>
<td>Contact Security, Inc</td>
<td>$391,209.00</td>
</tr>
<tr>
<td>3</td>
<td>Superior Protection Services Ca, Inc.</td>
<td>$402,054.84</td>
</tr>
<tr>
<td>4</td>
<td>American Guard Services</td>
<td>$406,452.88</td>
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<tr>
<td>5</td>
<td>Securitas</td>
<td>$518,215.64</td>
</tr>
<tr>
<td>6</td>
<td>GSG Protective Services</td>
<td>$519,237.79</td>
</tr>
</tbody>
</table>
Board of Water Commissioners
October 25, 2018 Board Meeting

Subject:
Authorize the General Manager to execute an Agreement with HDR Engineering, Inc., to provide Engineering Consulting Services for the Tank Master Plan Update Project (EO-3455), in an amount not-to-exceed $321,538.

Executive Summary:
Staff solicited proposal from five (5) engineering consulting firms to provide Engineering Consulting Services for the Tank Master Plan Project. Three (3) proposals were received and analyzed. Staff recommends HDR Engineering, Inc., based on their experience on similar projects, project understanding, specific techniques and methods used, resource availability, and reasonableness of fee. The Not-to-Exceed fee for the services is $321,538 and the duration of the Agreement is one year from the Notice to Proceed.

Recommendation/Fiscal Impacts
Authorize the General Manager to execute an agreement with HDR Engineering, Inc., to provide Engineering Consulting Services for the Tank Master Plan Update Project (EO-3455), in an amount not-to-exceed $321,538.

Fiscal Impact: The funds are included in the FY 18/19 CIP budget (Water Funds).

Sean Crumby, P.E.  Date  10/18/18
Deputy General Manager of Engineering

Christopher J. Garner  Date  10/18/18
General Manager

Attachments
PROFESSIONAL ENGINEERING CONSULTING SERVICES
FOR THE TANK MASTER PLAN UPDATE PROJECT (EO-3455)

CONSULTANT EVALUATION FORM

DATE: SEPTEMBER 12, 2018

<table>
<thead>
<tr>
<th>CONSULTANT</th>
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<tbody>
<tr>
<td>HDR Engineering, Inc.</td>
<td>1</td>
</tr>
<tr>
<td>V&amp;A Consulting Engineers</td>
<td>2</td>
</tr>
<tr>
<td>AKM Consulting Engineers</td>
<td>3</td>
</tr>
<tr>
<td>Ucorr</td>
<td>No Proposal</td>
</tr>
<tr>
<td>AECOM</td>
<td>No Proposal</td>
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</tbody>
</table>
Board of Water Commissioners
October 25, 2018 Board Meeting

Subject:
Authorize the General Manager to execute an agreement with AKM Consulting Engineers, to provide professional engineering services for the 2018 Water Distribution System Master Plan (EO-3446), in the amount not-to-exceed $484,820.00.

Executive Summary:
The 2018 Water Distribution System Master Plan Project is a comprehensive plan for the Long Beach Water Department’s potable water distribution system that will produce a capital improvement program (CIP) list of projects. The Project includes rebuilding LBWD’s water system hydraulic model, hydraulic system analysis, and pipeline condition assessment.

Staff solicited proposals from six (6) engineering consulting firms to provide Professional Engineering Services for the 2018 Water Distribution System Master Plan Project. Two (2) proposals were received and analyzed. Staff recommends AKM Consulting Engineers, based on their technical and management experience on similar projects, project understanding, resource availability, and reasonableness of fee. The not-to-exceed fee for the services is $484,480.00 and the duration of the Agreement is through project completion.

Recommendation/Fiscal Impacts
Authorize the General Manager to execute an agreement with AKM Consulting Engineers, to provide professional engineering services for the 2018 Water Distribution System Master Plan (EO-3446), in the amount not-to-exceed $484,820.00.

Fiscal Impact: The funds are included in the FY 2018/2019 CIP Budget (Water Funds).
PROFESSIONAL ENGINEERING SERVICES
FOR THE 2013 WATER DISTRIBUTION SYSTEM MASTER PLAN (EO-3446)
CONSULTANT EVALUATION FORM

DATE: SEPTEMBER 10, 2018

<table>
<thead>
<tr>
<th>CONSULTANTS</th>
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<tbody>
<tr>
<td>AKM CONSULTING ENGINEERS</td>
<td>1</td>
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<tr>
<td>CAROLLO ENGINEERS</td>
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<td>HDR</td>
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<tr>
<td>GHD, INC.</td>
<td>NO PROPOSAL</td>
</tr>
<tr>
<td>PSOMAS</td>
<td>NO PROPOSAL</td>
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<tr>
<td>WOODARD &amp; CURRAN</td>
<td>NO PROPOSAL</td>
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</table>
Board of Water Commissioners
October 25, 2018 Board Meeting

Subject:
Adopt Specifications WD-35-18 for the Siphon Replacement at Cedar Avenue and 52nd Street (SC-0342) and authorize the General Manager to sign a construction contract with Charles King Company in the amount of $189,408.00.

Executive Summary:
On August 23, 2018 and August 30, 2018, staff advertised bids for the Siphon Replacement at Cedar Avenue and 52nd Street (SC-0342). The work involves furnishing all labor, equipment and materials necessary to remove the existing 12-inch diameter siphon and adjacent manholes and replace them with a new 8-inch diameter dual siphon with new manholes, including preformed channels and slide gates and dual vent piping. The work also includes, but not limited to, sewer bypassing, CCTV inspections, protection and support of crossing utilities including the Los Angeles County Flood Control District storm drain, traffic control, and connection to existing sewer system and any other associated appurtenances.

On September 27, 2018, nine (9) bids were received and opened. The bid tabulation is attached. After evaluating all bids received, the lowest responsive bid submitted by Charles King Company in the amount of $189,408.00 was found to be in conformance with the bid documents. The Engineer’s estimate is $285,600.

Recommended Action/Fiscal Impacts
Adopt Specifications WD-35-18 for the Siphon Replacement at Cedar Avenue and 52nd Street (SC-0342) and authorize the General Manager to sign a construction contract with Charles King Company in the amount of $189,408.00.

Fiscal Impact: The funds are included in the FY 2018/2019 Capital Improvement Program (CIP) Budget (Sewer Fund).

Sean Crumby  Date
Deputy General Manager of Engineering

Christopher J. Garner  Date
General Manager

Attachments: Bid Tabulation & Project Map
Siphon Replacement at Cedar Avenue and 52nd Street
WD-35-18

Bid Opening: September 27, 2018 at 10:00 AM

Bid Results

<table>
<thead>
<tr>
<th>CONTRACTOR</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Charles King Company</td>
<td>$189,408.00</td>
</tr>
<tr>
<td>2 Mike Prlich and Sons</td>
<td>$216,830.00</td>
</tr>
<tr>
<td>3 Griffin Pipeline</td>
<td>$265,600.00</td>
</tr>
<tr>
<td>4 William Bonadiman</td>
<td>$287,460.00</td>
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<tr>
<td>5 W.A. Rasic Construction</td>
<td>$289,362.00</td>
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<tr>
<td>6 VASILJ Inc.</td>
<td>$290,930.00</td>
</tr>
<tr>
<td>7 Clarke Contracting Company</td>
<td>$299,817.00</td>
</tr>
<tr>
<td>8 Kordich Construction Inc.</td>
<td>$304,250.00</td>
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<tr>
<td>9 Bali Construction Inc.</td>
<td>$607,543.00</td>
</tr>
<tr>
<td>Engineer's Estimate</td>
<td>$285,600</td>
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<tr>
<td>Average Bid</td>
<td>$305,689</td>
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</tbody>
</table>
ITEM 11.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

LONG BEACH WATER DEPARTMENT WEB REDESIGN UPDATE
New Website Unveil

Board of Water Commissioners

October 25, 2018
Overview

Process

Strategic Communications

Timeline

Unveil
RFP selection of two web design vendors

- TLG Marketing – design
- Zuno Studios – strategic communications

Internal website committee

Strategy

- Modernized
- Customer friendly and facing
- Clean and easy to navigate
- Mobile optimized
- ADA compliant
- Open source platform – easily customizable
Strategic Communications

Based on website content best practices
• Analytics
• User-centric focus

Consolidate and re-write content
• Consistent voice and tone – conversational, informative and helpful
• Clarity and simplicity; avoiding jargon

Search and social media optimization based on keywords
Timeline

In 8 months:
• Identified and installed best content management system
• Developed design based on branding guidelines
• Reviewed, edited and created content with a more customer engaging tone
• Taken all new original photography featuring our employees and icons in Long Beach
• Collaborated and received input from internal website committee

To complete:
• Receive Board feedback
• Incorporate Board agenda content management system
• Test website
• Train committee to access and edit their division’s website pages
• Launch website

Goal Launch: November 2018
Unveil
Feedback
ITEM 12.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

STATE CONSERVATION MANDATE UPDATE
State Conservation Mandate Update

Board of Water Commissioners
October 25, 2018
Presentation Outline

1. State Conservation Mandate Framework
2. State Conservation Mandate Timeline
3. LBWD Readiness
Conservation Mandate Framework

SB 606 & AB 1668: “Making Conservation a California Way of Life”

1. **Use Water More Wisely**
   - Efficiency standards → “Water Use Objective”

2. **Eliminate Water Waste**
   - Reduce distribution system water loss

3. **Strengthen Local Drought Resilience**
   - Urban Water Management Plan
   - Water Shortage Contingency Plan
   - Drought Risk Assessment
   - Annual supply/demand assessment

4. **Improve Agricultural Efficiency**
“Use Water More Wisely”

- **Residential Indoor**
  - 55 GPCD → 52.5 GPCD → 50 GPCD

- **Residential Outdoor**
  - Landscape area x Water for efficient irrigation

- **Dedicated Irrigation**
  - Landscape area x Water for efficient irrigation

- **CII Performance Measures**
  - Water use classification
  - Surveys for CII customers
  - Converting mixed to dedicated irrigation meters
Water Use Objective

Urban Supplier Water Use Objective

Aggregate target for supplier
- NOT by component
- NOT at customer level
Conservation Mandate Timeline

- **June 2019**: Submit 1st Annual Supply/Demand Assessment
- **July 2020**: SWRCB to adopt Water Loss Standard (Report with 2020 UWMP)
- **July 2021**: Submit UWMP, WSCP, and DRA
- **June 2022**: SWRCB to adopt standards for res. outdoor, dedicated irrigation, CII performance measures, and variances
- **Nov 2023**: Submit 1st Annual Water Use Report
1. **Residential Indoor**
   - Geospatial analysis of rebate participation data
     → DIME

2. **Residential Outdoor**
   - Geospatial analysis L2G program (CSULB and USC)
     → L2G refresh, DIG

3. **Dedicated Irrigation**
   - Parcel measurements and CIMIS data
     → Irrigation budgets calculated

4. **CII Performance Measures**
   - NAICS analysis
     → Certified Blue Program
   - Technology in-lieu of dedicated irrigation meters = AMI
Board Meeting
October 9, 2018
12:00 p.m. – Boardroom

Telephone Participation:
Sheraton Miramar Hotel & Convention Center
Avenida La Marina 15
Vina Del Mar
ValParaíso, Chile
Phone: +52 32 238 8600

October 9, 2018
Meeting Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 a.m.</td>
<td>L&amp;C</td>
<td>Rm. 2-145</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>C&amp;LR</td>
<td>Rm. 2-456</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>Board Meeting</td>
<td>Boardroom</td>
</tr>
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</table>

1. Call to Order
   (a) Invocation: Emerson Lego, Senior Environmental Specialist, Water System Operations
   (b) Pledge of Allegiance: Director Fern Steiner, San Diego County Water Authority

2. Roll Call

3. Determination of a Quorum

4. Opportunity for members of the public to address the Board on matters within the Board’s jurisdiction. (As required by Gov. Code § 54954.3(a)

5. OTHER MATTERS
   A. Approval of the Minutes of the Meeting for September 11, 2018 (A copy has been mailed to each Director) Any additions, corrections, or omissions
   B. Report on Directors’ events attended at Metropolitan expense for month of September 2018
   C. Approve committee assignments
   D. Chairman’s Monthly Activity Report

Date of Notice: October 2, 2018
E. Report from Executive Committee on nominations for Board Chairman

F. Nomination and Election for Board Chairman for two-year term effective January 1, 2019

6. DEPARTMENT HEADS’ REPORTS

A. General Manager’s summary of activities for the month of September 2018

B. General Counsel’s summary of activities for the month of September 2018

C. General Auditor’s summary of activities for the month of September 2018

D. Interim Ethics Officer’s summary of activities for the month of September 2018

7. CONSENT CALENDAR ITEMS — ACTION

7-1 Adopt CEQA determination and authorize: (1) preparation of a Climate Action Plan; and (2) agreement with Rincon Consultants, Inc., in an amount not to exceed $815,000, to assist staff with preparation of the CAP and CEQA documentation. (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and

a. Authorize preparation of a Climate Action Plan; and

b. Authorize agreement with Rincon Consultants, Inc.
7-2 Adopt CEQA determination and appropriate $1.15 million; and authorize: (1) design to upgrade audiovisual systems at Metropolitan's Headquarters Building; and (2) increase of $610,000 to agreement with IBI Group, for a new not-to-exceed total of $1.5 million for design services (Appropriation No. 15487). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination the proposed action is not defined as a project and is exempt, and
a. Appropriate $1.15 million;
b. Authorize design to upgrade the audiovisual systems in the board and committee rooms at Metropolitan's Headquarters Building; and
c. Authorize increase of $610,000 to an agreement with IBI Group, for a new not-to-exceed total of $1.5 million, for specialized design services.

7-3 Adopt CEQA determination and appropriate $1.5 million; and authorize design of three distribution system rehabilitation projects (Appropriation No. 15503). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and
a. Appropriate $1.5 million;
b. Authorize design to replace sodium hypochlorite tanks at Lake Mathews;
c. Authorize preliminary design to rehabilitate the interconnection between the Sepulveda Feeder and the West Basin Feeder; and
d. Authorize design of electrical upgrades at the interconnection between the Sepulveda Feeder and the East Valley Feeder.

7-4 Adopt CEQA determination and appropriate $200,000; and authorize preliminary design to improve hazardous waste storage at the La Verne site (Appropriation No. 15505). (E&O)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and
   a. Appropriate $200,000; and
   b. Authorize preliminary design to improve hazardous waste storage at the La Verne site.

END OF CONSENT CALENDAR

8. OTHER BOARD ITEMS — ACTION

8-1 Adopt CEQA determination and approve amendments to the Metropolitan Water District Administrative Code Section 5109 to provide capital financing flexibility. (F&I)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and
   Approve amendments to the Administrative Code set forth in Attachment 2 of the board letter to reflect the changes recommended by this letter.

8-2 Adopt CEQA determination and (1) appropriate a total of $290 million for projects identified in the Capital Investment Plan (CIP) for Fiscal Years (FYs) 2018/19 and 2019/20; (2) authorize the General Manager to initiate or proceed with work on all capital projects identified in the CIP for FYs 2018/19 and 2019/20 subject to any limits on the General Manager’s authority and CEQA requirements; and (3) amend the Administrative Code to (a) allow for a biennial appropriation of the total amount of planned CIP expenditures following the approval of the biennial budget and authorize work on all capital projects identified in the CIP subject to the requirements of CEQA and limits on the General Manager’s authority; and (b) delegate responsibility to the General Manager to determine whether a project is exempt from CEQA (Appropriation No. 15509). (E&O)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed actions are not defined as projects and are not subject to CEQA, or are expressly authorized under CEQA, and

a. Appropriate a total of $290 million for projects identified in the Capital Investment Plan (CIP) for Fiscal Years (FYs) 2018/19 and 2019/20;

b. Authorize the General Manager to initiate or proceed with work on all capital projects identified in the CIP for FYs 2018/19 and 2019/20 subject to any limits on the General Manager’s authority and CEQA requirements; and

c. Amend the Administrative Code to (a) allow for an appropriation of planned CIP expenditures following the approval of the biennial budget and authorize work on all capital projects identified in the CIP subject to the requirements of CEQA and limits on the General Manager’s authority; and (b) delegate responsibility to the General Manager to determine whether a project is exempt from CEQA.

8-3  Adopt CEQA determination and appropriate $56.4 million; award $38,539,196 contract to Environmental Construction, Inc. for rehabilitation of the west treatment basins and filter building at the Robert B. Diemer Water Treatment Plant; award $3,532,700 contract to Flowserve Corporation to refurbish filter valve actuators; and authorize: (1) construction of water sampling system improvements at the Diemer plant; and (2) increase of $300,000 to agreement with Ninyo & Moore, for a new not-to-exceed total of $736,000, to provide environmental support ( Appropriations Nos. 15380 and 15436). (E&O)
Recommendation:

Option #1:

Adopt the CEQA determinations that the proposed actions are categorically exempt from CEQA, and

a. Appropriate $56.4 million;

b. Award $38,539,196 contract to Environmental Construction, Inc. to rehabilitate the west treatment basins and filter building at the Diemer plant;

c. Award $3,532,700 contract to Flowserve Corporation to refurbish filter valve actuators;

d. Authorize construction of water sampling system improvements at the Diemer plant; and

e. Authorize increase of $300,000 to an agreement with Ninyo & Moore, for a new not-to-exceed total of $736,000, to provide environmental support.

8-4

Adopt CEQA determination and appropriate $6.5 million; and award $4,674,444 contract to Bosco Constructors, Inc. to replace concrete panels at Iron Mountain Reservoir and along the Colorado River Aqueduct (Appropriation No. 15483). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and

a. Appropriate $6.5 million; and

b. Award $4,674,444 million contract to Bosco Constructors, Inc. to replace concrete panels along the Colorado River Aqueduct and at Iron Mountain Reservoir.

8-5

Adopt CEQA determination and approve an interim Local Resources Program target. (WP&S)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and

Approve an interim Local Resources Program target yield of 170,000 AFY of new water.
REVISED 8-6

Adopt CEQA determination and report on existing litigation: *The Metropolitan Water District of Southern California v. Desert Milling, Inc., John Frederick Benson, et al.,* LASC Case No. BC687102; and authorize increase of maximum amount payable under contract with Ryan & Associates for legal services by $100,000 to an amount not to exceed $200,000, a maximum amount payable of $200,000 for existing General Counsel contract with Ryan Associates to provide legal advice and representation in the termination of the Desert Milling, Inc. agricultural lease in the Palo Verde Valley and collection of amounts due to Metropolitan in the *Metropolitan Water District of Southern California v. Desert Milling, Inc., John Frederick Benson, et al.,* Case No. BC687102 (LASC, Central District, filed December 15, 2017). (L&C)

[Conference with legal counsel—existing litigation; to be heard in closed session pursuant to Gov. Code Section 54956.9(d)(1)]

Added Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and

Authorize the General Counsel to increase the amount payable under its agreement with Ryan & Associates by $100,000 to an amount not to exceed $200,000

9. BOARD INFORMATION ITEMS

9-1 Update on Conservation Program

9-2 Compliance with Fund Requirements and Bond Indenture Provisions. (F&I)

10. OTHER MATTERS

10-1 Department Head Performance Evaluations

[Public Employees' performance evaluations; General Manager, General Counsel, and General Auditor; to be heard in closed session pursuant to Gov. Code 54957(b).]
10-2 Report on Department Head 2018 Salary Survey

10-3 Discuss and Approve Compensation Recommendations for General Manager, General Counsel, and General Auditor

11. FOLLOW-UP ITEMS

12. FUTURE AGENDA ITEMS

13. ADJOURNMENT

NOTE: Each agenda item with a committee designation will be considered and a recommendation may be made by one or more committees prior to consideration and final action by the full Board of Directors. The committee designation appears in parentheses at the end of the description of the agenda item e.g., (E&O, F&I). Committee agendas may be obtained from the Board Executive Secretary.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site http://www.mwdh2o.com.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.
ITEM 14.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
AGENDA
BOARD OF WATER COMMISSIONERS
REGULAR MEETING
THURSDAY, OCTOBER 18, 2018 AT 9:00 A.M.
LONG BEACH WATER DEPARTMENT ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

***

THE REGULAR MEETING OF THE
BOARD OF WATER COMMISSIONERS
SCHEDULED FOR
THURSDAY, OCTOBER 18, 2018 AT 9:00 A.M.
HAS BEEN CANCELED

***
1. Pledge of Allegiance

2. Public Comment:

   GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

3. Approval of Minutes – July 26, 2018; August 16, 2018; August 29, 2018 Willow Springs Park Tour

4. President’s Report
   • Gloria Cordero, President, Board of Water Commissioners

5. General Manager’s Report
   • Christopher J. Garner, General Manager

6. Consent Calendar:
   a. Approval of Transfer of Funds by Journal Entry Dated October 4, 2018
   b. Approve Retirement Order No. RO-6152 for items that have become obsolete or unrepairable during the current year, and authorize removal of these items from the Department’s records. These items will not be sold at auction.
   c. Approve Retirement Order No. RO-6153 for items that have become obsolete and/or unrepairable during the current year, and authorize removal of these items from the Fixed Asset Record, and sold at auction.
   d. Approve Retirement Order No. RO-6154 for items that have become obsolete or unrepairable during the current year, and authorize removal of these items from the Department’s records. These items will not be sold at auction.

7. Authorize the General Manager to execute a three (3) month Revocable Facility Use Permit with Sully-Miller Contracting Co., with an option to extend the term two (2) times for a period of three (3) months each, at Long Beach Water Department-owned property at St. Louis Avenue and 32nd Street, for staging vehicles, equipment and materials, necessary for paving services provided to the Long Beach Water Department (LBWD) and City
   • B. Anatole Falagan, Assistant General Manager

8. Authorization to attend and sponsor the Long Beach Opera’s 40th Anniversary Gala at the Scottish Rite Event Center in Long Beach, California, November 3, 2018 (Community Outreach Event)
   • Christopher J. Garner, General Manager
   • Lana J. Haddad, Director of Government and Public Affairs

10. Consider Standing Committee Referrals
    • Gloria Cordero, President, Board of Water Commissioners

11. New Business

12. Adjournment to the next Special Meeting, Thursday, October 25, 2018, at 9:00 a.m.
    in the Board Room at 1800 E. Wardlow Road, Long Beach, CA

Written materials relating to any item on the Commission’s agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.

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MINUTES
REGULAR MEETING OF THE BOARD OF WATER COMMISSIONERS
LONG BEACH, CALIFORNIA
JULY 26, 2018

The Board of Water Commissioners of the City of Long Beach met in the Board Room at the Administration Building, 1800 E. Wardlow Road, Long Beach, California, on July 26, 2018.

The meeting was called to order at 9:02 a.m. by President Shannon.

PRESENT:
Robert Shannon Commissioner
Gloria Cordero Commissioner
Harry Saltzgaver Commissioner
Frank Martinez Commissioner
Richard Anthony Deputy City Attorney
Christopher J. Garner General Manager
Sandra L. Fox Executive Assistant to the Board of Water Commissioners
B. Anatole Falagan Assistant General Manager
Lisa Squires Executive Assistant to the General Manager
Lana Haddad Director of Government & Public Affairs
Paul T. Fujita Director of Finance
Sean Crumby Deputy General Manager – Engineering
Dynna Long Office Administrator
Robert Verceles Manager, Engineering
Abelardo Rendon Manager, Engineering
Kaylee Weatherly Public Information Officer
Ken Bott Manager, Administration
Mike Salas Superintendent of Water Construction
Dean Wang Conservation Specialist
Jenyffer Vasquez Assistant Administrative Analyst
Nicki Powell CivicSpark Fellow
Greg Sorensen Manager of Budget and Rates
Ernie Ankele Business Systems Specialist III
Daniel Gutierrez Administrative Analyst I
Jillian Croci Assistant Administrative Analyst II
Tan Zeng Administrative Analyst I
Larry Rich Sustainability Coordinator
Nicole Naassan UtiliWorks
Ana Gonzalez Administrative Analyst

ABSENT: Arthur Levine Commissioner (EXCUSED)
Tai Tseng Assistant General Manager – Operations
Jennifer Rojas Superintendent Sewer Operations
Robert Katzenberger Superintendent Water Services
Liza Gutierrez Manager, Support Services
Jenyffer Vasquez Assistant Administrative Analyst
Monya Hawkins Manager, Information Services
Doug McKee Treatment Operations Superintendent
Krista Reger Conservation Specialist
Cynthia Andrews-Tate Water Laboratory Manager
Patrizia Hall Manager, Engineering
Chris Pincherli Construction Services Officer

1. PLEDGE OF ALLEGIANCE

Rich Anthony led the Board and audience in the Pledge of Allegiance.
2. **PUBLIC COMMENT**

President Shannon opened the public comment period.

As there was no public comment, the public comment period was closed.

3. **APPROVAL OF MINUTES – JUNE 14, 2018**

President Shannon called for a motion to approve the minutes.

Commissioner Cordero made a motion to approve the minutes of June 14, 2018. Commissioner Cordero Martinez the motion.

President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

4. **PRESIDENT’S REPORT**

- Robert Shannon, President, Board of Water Commissioners

President Shannon advised he did not have a report.

5. **GENERAL MANAGER’S REPORT**

- Christopher J. Garner, General Manager

President Shannon called on Mr. Garner for his report.

**REPORT TO BOARD REGARDING PRESENTATION MADE TO HARBOR COMMISSION REGARDING RECLAIMED WATER & PORT WATER SYSTEM**

Mr. Garner reported on the presentation he had made on Monday, July 23, 2018 to the Board of Harbor Commissioners at their request regarding reclaimed water and the Port’s water system, and the possibility of their water system components being transferred to the Long Beach Water Department. He advised there had been on and off conversations regarding this transfer possibility for about five years.

He advised the City Attorney is drafting a draft Memorandum of Understanding regarding this item. He advised once it is finalized he would be bringing that item to the Board for review and consideration.

Commissioner Saltzgaver commented on the possible transfer, and advised he had been aware of the previous discussions regarding this matter. He asked if the MOU would contain an amount of money to cover problem instances that might arise in the future with the transferred system.

Mr. Garner responded yes. He advised this number still needed to be negotiated with the Port to protect the interests of LBWD. He also advised the system would be studied to make sure it meets the standards of the LBWD.
Commissioner Saltzgaver also inquired if annual operating costs would be included in the MOU. Mr. Garner responded it would depend on what part of their system that LBWD would take over. Commissioner Saltzgaver requested that the Board review the MOU before it is signed.

Commissioner Cordero inquired if this transfer could affect Measure M transfers.

Mr. Garner advised if it increased the LBWD income it could.

Commissioner Martinez suggested that it would be good for the Board to receive a presentation regarding this topic – such as how many miles of pipeline would be involved, etc. He inquired if a Facilities Condition Assessment had been done regarding the system.

Mr. Garner advised a Facilities Condition Assessment had been done a few years back when the initial discussions were held regarding this possible transfer. He advised as part of the new discussion that report (handled by an outside engineering firm) would need to be updated.

Commissioner Martinez suggested the Board take a field trip to the Port to get an overview of the water system. Mr. Garner noted a field trip would be difficult since most of the infrastructure is underground.

Mr. Garner provided information regarding the Port’s interest to have access to reclaimed water in the Port area. He noted he had reported to them that the LBWD source supply of reclaimed water is on the east side of town which makes access difficult for the Port area due to lack of pipelines which is very expensive to install.

He also noted one of the concerns LBWD has regarding requests to increase availability of reclaimed water to other interested parties, is that LBWD had just received notice from the County Sanitation Districts of Los Angeles County (copy of letter dated July 13, 2018 distributed to the Board) regarding reduced wastewater discharges due to several circumstances negatively affecting the environment and river system habitat. He advised these concerns had been provided to the Port Commissioners.

He noted the LA County Sanitation group would be looking at other options in mitigating the environmental effects from decreased flow, and that LBWD staff would be following this issue very closely and working with LA County Sanitation.

Commissioner Cordero made comments regarding the Carson recycled plant and the possibility of connectivity between the pilot project. She asked if this would affect that project.

Mr. Garner provided information regarding this pilot project.

Commissioner Martinez commented on a report that Rick Cameron had made during the Port tour, and a partnership with SA Recycling and stormwater capture. Commissioner Martinez inquired if there was something the LBWD might do to partner with Port tenants, and others to capture.
Mr. Garner reminded the Board that stormwater capture does not fall within the purview of the Long Beach Water Department, but Public Works. He advised the Port Commissioners had also mentioned stormwater and he had advised them of the same thing. He mentioned that one of the Port commissioners said they would be able to handle their own stormwater runoff as the Port usually comes up with out of the box projects as a response to solve these types of issues.

Commissioner Martinez made comments regarding the LBMUST project regarding seeking additional funding for expansion and operating costs. He asked if there might be an opportunity for a partnership with the Port to assist with this project. He then mentioned it might be a good time to have the Board receive an updated position on the LBMUST project.

Mr. Garner responded that the LBMUST project is not a LBWD project, but a Public Works project related to stormwater. There was some discussion which agency would end up operating the LBMUST project once it had been completed.

Commissioner Martinez made additional comments regarding LBMUST, and advised he wanted to see if there was any partnership that could be made to assure that this is a successful project.

President Shannon called for any Commissioner comments regarding these issues. Hearing none Mr. Garner continued on with his report.

**PROP 218 HEARING PROTESTS**

Mr. Garner reported that to date six written Prop 218 rate protests had been received.

**REPORT ON LONG BEACH WATER CERTIFIED BLUE RESTAURANT CRAWL**

Mr. Garner called on Mr. Wang and Ms. Powell for this report.

Mr. Wang introduced Ms. Powell and thanked her for her work with the Long Beach Water Department noting her one-year CivicSpark Fellowship will end on August 4th.

Ms. Powell provided background information on the upcoming Long Beach Water Certified Blue Restaurant (CBR) crawl that will take place on August 4, 2018; 1:00 – 4:00 P.M. She also provided an update on the CBR program, and invited the Board and staff to sign up for the event.

President Shannon called for any public comment. Hearing none he called for any Commissioner comments.

Commissioner Saltzgaver thanked Ms. Powell for her work with the department during the past year.
Commissioner Martinez had further comments to add to the discussion regarding SA Recycling. He suggested that staff have someone come from the Port to speak to the Board about exactly what they are doing in the Port; and the technical aspects of the program.

6. **STAFF REPORT ON PROPOSED UTILITY CONSOLIDATION**
   • Christopher J. Garner, General Manager

   Mr. Garner commented on the report he had made to the Charter Amendment Committee on July 17th regarding the proposed utility consolidation charter amendment. He noted the next (and final) Charter Amendment Committee meeting would be held August 7th. He noted this would be the meeting that the Committee would decide if any of the proposed charter amendments would be placed on the November 2018 ballot.

   He advised that President Shannon, Commissioner Cordero and himself were scheduled to meet with the Mayor the afternoon of July 26th to discuss the status of the utility merger item.

   President Shannon requested that Mr. Anthony briefly provide a timeline of the next steps in the Charter amendment process, and the last steps the City Council (acting as the Charter Amendment Committee) will take.

   Mr. Anthony provided a briefing on the steps the Charter Amendment Committee will take before any items can be placed on the ballot.

   Commissioner Martinez inquired if Mr. Garner had received any public feedback, or comments from councilmembers regarding the proposed utility merger. Mr. Garner responded no.

   President Shannon called for any public comment. Hearing none he moved on in the agenda.

7. **CONSENT CALENDAR:**
   a. **Approval of Transfer of Funds by Journal Entry Dated July 26, 2018**

   President Shannon called for a motion regarding the Consent Calendar.

   Commissioner Martinez made a motion to approve the Consent Calendar. Commissioner Saltzgaver seconded the motion.

   President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

   7a. **Approval of Transfer of Funds by Journal Entry Dated July 26, 2018**

   A communication was presented to the Board from Paul Fujita, which is on file at the Long Beach Water Department.
President Shannon noted there was no public comment on item 7.

8. AUTHORIZATION TO SPONSOR THE RANCHO LOS CERRITOS RAÍCES & MUSICA (MUSICAL ROOTS OF RANCHO LOS CERRITOS) EVENT, ON JULY 28, 2018
   • Christopher J. Garner, General Manager

President Shannon introduced agenda item 8. and called on Mr. Garner for a staff report.

Mr. Garner provided a summary of the event details. He noted that The Rancho had requested a sponsorship in the amount of $15,000. He reminded the Board that they had previously sponsored the Rancho Los Cerritos Mud Mania event in 2017 for $1,000; and in 2018 at a level of $2,500. He referred the Board to their board packets to see the available sponsorship levels for their consideration.

President Shannon inquired why this application had been received so late, and so close to the event. Commissioner Saltzgaver responded to this inquiry.

President Shannon called for any other Commissioner comments.

Commissioner Martinez spoke against supporting this event, noting he did not see a nexus with the Water Department, and noted the late submittal request.

Commissioner Saltzgaver advised he feels it is important for the Board to support events of this nature. He recommended that Rancho Los Cerritos be advised to reconsider submitting an application for their next year event; in light of the Board already having provided them with a sponsorship earlier this year. He noted he would be attending this event since he had already purchased tickets.

President Shannon noted that Board members and staff members should be encouraged to attend these kind of community events; and they could submit for reimbursement for their tickets.

He advised he would vote to deny this requested sponsorship request.

Commissioner Cordero also reported that she would be attending as she had purchased a family table for the event. She suggested sponsoring a few individual tickets for the event.

Commissioner Martinez noted he is in favor of the Board attending community events such as this; but restated his earlier reasons for denial of this sponsorship.

President Shannon made a motion to deny this sponsorship request; but authorize the purchase of individual tickets for the event for Commissioners, staff and guests. Commissioner Cordero seconded the motion.
Mr. Garner asked the City Attorney if there was any issue regarding purchasing tickets for guests.

Mr. Anthony responded no he did not think there was.

Mr. Anthony did advise the President that he should probably amend his motion to include a cap on the amount of money to be expended for individual tickets.

President Shannon suggested a cap of $1,500. Commissioner Martinez recommended a cap of $1,000 instead since this would equal a table of 10.

President Shannon amended his motion to set a cap of $1,000 for the purchase of individual tickets. Commissioner Cordero seconded this amendment.

President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

President Shannon then called for public comment. Hearing none he moved on in the agenda.

9. **ADOPT LONG BEACH WATER DEPARTMENT EDUCATION MASTER PLAN**
   - Lana Haddad, Director of Government and Public Affairs

   Commissioner Saltzgaver made a motion to hold agenda item 9. over to the August 16, 2018 meeting since the Chair of the Communications Standing Committee (Commissioner Levine) that oversees education matters is not in attendance at the Board meeting.

   Commissioner Martinez inquired if there is a timing issue with this agenda item.

   Mr. Garner responded no.

   Commissioner Martinez seconded the motion.

   President Shannon called for any public comment. Hearing none he called for the vote on the motion. The motion carried with a 4 yes, 1 absent vote.

10. **AUTHORIZE THE GENERAL MANAGER TO EXECUTE ALL NECESSARY AGREEMENTS AND TO INITIATE THE PROCESS TO OBTAIN FINANCING RELATED TO THE LBWD AMI PROGRAM WITH SENSUS USA, INC., N. HARRIS COMPUTER CORPORATION, TRIBUS SERVICES, INC. ARMORCAST PRODUCTS COMPANY, BADGER METER, INC., CORE & MAIN, FERGUSON ENTERPRISES, INC., MUELLER SYSTEMS, LLC, NICOR, INC., AND YARDLEY ORGILL FIRE IN A TOTAL AMOUNT NOT TO EXCEED $25,902,480 FOR CAPITAL EXPENDITURES AND A TOTAL AMOUNT NOT TO EXCEED $198,375 IN ANNUAL OPERATIONAL EXPENDITURES**
   - B. Anatole Falagan, Assistant General Manager
President Shannon introduced agenda item 10. and called on Mr. Falagan for a staff report.

Mr. Falagan advised that Mr. Wang would be making the presentation.

Mr. Wang began his presentation by providing an individual overview for the various components the Board was asked to authorize and adopt under agenda item 9. as follows:

- A. – AMI Communication Network Infrastructure
- B. – D. – Meter Data Management Software
  - B. – License
  - C. – Services
    - D. – Support and Maintenance
- E. Water Meter Installation and Retrofit Services
- F. – Water Meter Products
- G. – Project Financing

He then reviewed the following with the Board:

- A chart of the AMI deployment schedule
- Cost summary breakdown of items for Board authorization
- Project Financing details for the project
- A chart of annual AMI program costs

Commissioner Martinez inquired if the two utilities were to merge was there a potential savings within the LBWD AMI program to do a group buy on components.

Mr. Garner responded to this inquiry. Mr. Anthony concurred with Mr. Garner's response.

President Shannon inquired about what would happen if the utility consolidation did not take place; asking if there is a potential conflict of interest in joining the Gas Department with their AMI network program.

Mr. Garner responded no, explaining that that system exists today, and rather than LBWD purchasing and installing their own system, it makes sense operationally, and financially to piggyback on a network that is proven and currently successfully operating.

President Shannon commented further regarding an instance that could occur when the Gas Department said yes to a shared request, and the Water Department said no.

Mr. Garner advised that this could possibly occur.

President Shannon then inquired who would have the final word in this instance.
Mr. Garner advised these types of instances have been worked out in the past, and he would not see this being an issue that could not be resolved between the two utilities.

Mr. Wang then reviewed a summary of the expenditures for the Board authorization.

Commissioner Martinez inquired if transmitters could be treated as an asset for depreciation.

Mr. Falagan responded yes. Noting this item had been discussed during a preliminary discussion with the City Treasurer regarding financing for the program.

Mr. Wang provided a review of sample water meter products that will be used during the AMI deployment (meter boxes; lids; meters; transmitters; bronze parts).

Commissioner Martinez commented about the set contingency amount.

Commissioner Martinez requested that any change orders related to the AMI Program be brought to the Board as they occur.

Commissioner Martinez inquired if additional staff was being hired to support the AMI program, or was existing staff being re-deployed.

Mr. Garner advised some additional staff would be hired, but did not yet have the final total of employees that would be needed.

Mr. Falagan commented on the expanded Academy the department would be running in the next few months; and noted that hopefully some of those candidates would be hired and used in the installation of the larger meter installations.

Mr. Wang provided background information regarding the project financing. Noting that the department would be looking to finance approximately $26 million in capital costs; at a fifteen-year term, which would equate to an approximate $2 million annual debt service payment. He advised staff would return to the Board at a later date regarding an authorization of the debt financing.

Commissioner Saltzgaver inquired if the capital costs for AMI had been included in the FY 18/19 budget.

Mr. Sorensen responded yes, and provided an explanation to this inquiry.

Mr. Wang spoke about the debt service of approximately $2.2 million annually; noting that some of those costs would be offset by a decrease in the annual manual meter reading contract with CORIX.

Commissioner Martinez inquired about the LBWD CORIX contract.
Mr. Falagan provided background information regarding the current contract with CORIX.

Mr. Wang read the Board action regarding the AMI Program into the record.

Mr. Falagan expressed thanks to all of the LBWD staff who had contributed to the development and implementation of the AMI Program to date. He expressed an individual thanks to Dean Wang and Ana Gonzalez for their efforts in working with the City Attorney, Operations staff and AMI program vendors on the development of the program.

President Shannon requested the names of the individuals who evaluated the different submissions related to the AMI Program.

Mr. Wang responded that eight individuals were on the installation evaluation team (in-house staff and employees from the Gas Department). He advised that in-house staff evaluated the various bids (Mike Salas; Jared Mataalii; Dereck Mattos; Robert Katzenberger; Ana Gonzalez; Dean Wang; Tai Tseng; Anatole Falagan; Richard Anthony and Chris Garner). He advised that Mr. Fujita and Mr. Sorensen had been very helpful regarding the financing aspects of the program. He added that more than twenty workshops had been held with staff members who weighed in on the program regarding their different fields of expertise.

President Shannon congratulated, and thanked everyone who had participated in the development of the program.

Mr. Garner also thanked UtiliWorks staff for their participation and expertise in helping the department during their negotiations.

President Shannon called for any public comment. Hearing none he called for any Commissioner comments.

Commissioner Martinez inquired about the status of a Senate bill that would allow, or not allow municipal agencies to monetize data that was collected from an AMI Program, or other smart devices.

Ms. Haddad advised she would research this request and get back to the Board.

Commissioner Martinez noted depending on the status of the proposed legislation, this data could be a possible funding source in the future.

Commissioner Saltzgaver asked how much money had been spent on the AMI Program so far.

Mr. Wang responded that project costs so far had been approximately $200,000.

He advised he was under the impression that at least $1 million had been spent so far.
Mr. Falagan advised if you included consultant contracts, such as with UtiliWorks that number of $1 million would be correct. He noted only a small amount of the UtiliWorks contract had been spent to date.

Commissioner Saltzgaver spoke regarding the merits of an AMI Program, and noted he was very comfortable with how the process had been handled so far.

Commissioner Cordero inquired how customers will be notified regarding the AMI Program.

Mr. Wang advised that both Ms. Haddad and Ms. Weatherly had participated in early AMI workshops to make sure that customer communication is being handled properly. He noted as part of the installation process customers will be receiving information regarding the pending installation, and then noted that when the actual installation takes place at individual locations the contractor will leave a door hanger with contact information regarding what work was performed at their property.

Commissioner Cordero thanked staff for their hard work on this program.

Commissioner Martinez commended staff and the consultant on the work they have provided in meeting the deadlines to implement this program.

President Shannon called for any other Commissioner comments.

Mr. Garner confirmed Commissioner Saltzgaver’s earlier comments that it is a done deal. He commented on the benefits of implementing this program now, and for the department to avoid the increasing costs of manual meter reading. He also spoke about future opportunities in using the collected data that will benefit the customers.

President Shannon announced that the approvals would be handled in two separate votes as follows: Resolutions for items A – D (one roll call vote); items E – G (one separate vote). He called for a motion regarding items A – D.

Commissioner Saltzgaver made a motion to adopt the following resolutions:

A. Adopt Resolution No. WD-1394 authorizing the General Manager to execute the First Amendment to AMI Agreement between the City of Long Beach and Sensus USA, Inc. 1) in an amount not to exceed $160,000 annually and subject to a maximum annual increase of 3 percent for software, hosting, and support fees and 2) in an amount not to exceed $8,739,400 for one-time equipment, system, and professional services costs.

B. Adopt Resolution No. WD-1395 authorizing the General Manager to execute the First Amendment to the Software Services Implementation Agreement between the City of Long Beach and N. Harris Computer Corporation in an amount not to exceed $328,600.

C. Adopt Resolution No. WD-1396 authorizing the General Manager to execute the First Amendment to the Software License Agreement between the City of Long Beach and N. Harris Computer Corporation in an amount not to exceed $113,500.
D. Adopt Resolution No. WD-1397 authorizing the General Manager to execute the First Amendment to the Support and Maintenance Agreement between the City of Long Beach and N. Harris Computer Corporation in an amount not to exceed $38,375 annually and subject to a maximum annual increase of 3 percent.

Commissioner Cordero seconded the motion.

President Shannon called on Ms. Fox for a Roll Call vote.

A Roll Call vote was taken as follows:

**AYES:** COMMISSIONERS:

GLORIA CORDERO:

HARRY SALTZGAVER;

FRANK MARTINEZ

ROBERT SHANNON

**NOES:** COMMISSIONERS:

NONE

**ABSENT:** COMMISSIONERS:

ART LEVINE

**ABSTAIN:** COMMISSIONERS:

NONE

The motion carried with a 4 yes, 1 absent vote.

President Shannon then called for a motion regarding items E – G.

Commissioner Martinez made a motion to approve the following:

E. Authorize the General Manager to execute an Agreement with Tribus Services, Inc. to provide AMI Water Meter Replacement and Retrofit Services in an amount not to exceed $3,701,260.

F. Adopt Specifications WD-25-18 to Furnish and Deliver Advanced Metering Infrastructure (AMI) Products and authorize the General Manager to execute contracts with Armorcast Products Company, Badger Meter, Inc., Core & Main, Ferguson Enterprises, Inc., Mueller Systems, LLC, Nicor, Inc., Sensus USA, Inc., and Yardley Orgill Fire in an aggregate amount of $11,836,109, plus a 10 percent contingency in the amount of $1,183,611, for a total aggregate amount not to exceed $13,019,720 for a period of two years and to authorize the General Manager to exercise the option to renew contracts for one additional one-year period subject to a maximum unit price increase of 10 percent.

G. Authorize the General Manager to initiate the process with the City Treasurer and City Attorney to obtain financing for project costs of approximately $26 million in support of the AMI project, and return to the Board and City Council for approval of such project financing.

Commissioner Cordero seconded the motion.

President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.
11. OVERVIEW AND DISCUSSION REGARDING DIRECT INSTALLATION FOR MULTI-FAMILY EFFICIENCY (DIME) PILOT PROGRAM

- Dean Wang, Conservation Specialist

Note: Commissioner Martinez left the meeting at 10:22 A.M.

President Shannon introduced agenda item 11. and called on Mr. Wang for a staff presentation.

Note: Commissioner Martinez returned to the meeting at 10:23 A.M.

Note: Commissioner Saltzgaver left the meeting at 10:24 A.M.

Mr. Wang called on Ms. Vasquez and Ms. Weatherly to make the staff presentation.

Ms. Vasquez provided background information on the program and noted the following items would be highlighted during the presentation:

- Reason for a Multi-family pilot program
- Multi-family research and outreach
- Program costs and funding

Note: Commissioner Saltzgaver returned to the meeting at 10:27 A.M.

Ms. Vasquez provided the reasons for establishing a multi-family pilot program. She also provided a definition for a direct installation rebate versus a traditional rebate.

She noted this a common approach to the multi-family sector regarding rebates, noting that Los Angeles, Santa Monica, Tehachapi and Denver have used this type of program within their communities.

She explained the DIME Pilot Program concept and noted the benefits available beyond direct water savings. She advised that staff anticipated seeing 1,000 units taking part in this pilot program.

Note: Mr. Garner left the meeting at 10:35 A.M.

Ms. Weatherly provided information regarding the research and outreach that was used in establishing the DIME pilot program.

She outlined the DIME outreach opportunities for tenants as follows:

- Unique opportunity to reach tenants in their units
- Opportunity to leave behind translated materials
  - Magnets with water-saving tips
  - Shower timers
  - Information regarding their newly installed water and energy saving devices
• This information can help the tenants feel part of the Long Beach sustainable lifestyle
• Help to build a sense of community

Ms. Weatherly also outlined the outreach opportunities to landlords and property managers through the DIME program as follows:

• Help to improve relationships with tenants
• Provide them with informational items regarding conservation, and the water and energy saving devices
• Provide an opportunity to speak with tenants at informational meetings

Ms. Vasquez then reviewed the funding and cost estimates for the DIME Pilot Project.

Ms. Vasquez concluded her remarks by summarizing the DIME Pilot Program.

Mr. Falagan made closing remarks, and complimented the staff on their extensive research, which assisted them in building this program.

Commissioner Cordero inquired if it was possible to work with a non-profit group regarding the installation component of this program.

Ms. Vasquez advised that staff could consider including a non-profit component in this pilot project.

Commissioner Cordero mentioned the Advocacy Non-profit Partnership group, headed up by Derick Simpson. She noted his group had worked with Southern California Edison in the past regarding an energy efficiency program.

Commissioner Martinez mentioned he had recently met with Don Knapp, Executive Director of the Conservation Corps who mentioned they were expanding their training, so advised they might be able to assist with this program also.

Commissioner Martinez inquired if staff had reached out to some of the large apartment associations in the city regarding the background research for this program.

Ms. Weatherly confirmed that staff had worked with those groups, including the Fair Housing Foundation.

Commissioner Martinez asked the City Attorney to comment on the risk analysis for this type of program.

Mr. Anthony responded.
Commissioner Saltzgaver advised this looked like a great program, and he looked forward to seeing it implemented. He commented on how staff would work with some of the “so called” slumlords that work within the city; and how would staff deal with the adversarial renters.

Ms. Vasquez advised this was a topic that had been discussed amongst the staff regarding this program. She advised staff would look at existing programs and see how they had dealt with these types of issues.

Mr. Falagan provided additional comments regarding this issue, and noted that the contractors would be asked to work with different landlord organizations to assist in implementing this pilot program.

President Shannon called for any other Commissioner comments. Hearing none he called for any public comment.

He then moved on in the agenda.

12. GOVERNMENT & PUBLIC AFFAIRS REPORT
   • Lana J. Haddad, Director of Government and Public Affairs

Note: Mr. Garner returned to the meeting at 10:48 A.M.

Ms. Haddad reported that the good news from Washington D.C. continues to be the strong, bipartisan support found there for water funding, generally. However, she noted that often water funding packages are bundled together with other spending bills that tend to be more controversial. As a result, there are often delays in the passage of water related funding bills.

Ms. Haddad reported that H.R. 6147 (115th Congress, 2017-2018: Interior, Environment, Financial Services, and General Government Appropriations Act, 2019) was passed on July 19, 2018 by the House of Representatives. The spending bill, however, contained three riders by California members (Representatives Calvert, Valadao and Denham) pertaining to the California Water Fix that could prove to be very controversial. She noted the bill has not been sent to conference committee, and it is not likely for the riders to survive the conference process.

She advised, similarly, the Water Resources and Development Act (WRDA), which is returning to its formerly regular two-year budget cycle, is delayed in part because of the veterans’ funding package that is included with it. WRDA is expected to pass by the end of 2018.

Commissioner Martinez asked about the expenditure of Proposition 1 funding for storage, in relation to the Water Replenishment District's Groundwater Reliability Improvement Project (GRIP). Ms. Haddad reported that while funding is certainly needed, the project was not approved by the California Water Commission in their recently-concluded approval process.
13. CONSIDER STANDING COMMITTEE REFERRALS
   - Robert Shannon, President, Board of Water Commissioners

   President Shannon called for any committee referrals.

   President Shannon advised that a meeting of the Handbook Ad Hoc committee would be scheduled in the near future.

   Mr. Anthony mentioned a comment made earlier by Commissioner Martinez regarding a potential transfer of the Port water system. He inquired if the Infrastructure Standing Committee might like to schedule a report regarding this matter.

   Commissioner Martinez advised he would like this report to come before the full Board.

14. NEW BUSINESS

   President Shannon called for a motion to excused Commissioner Levine from the July 26, 2018 Board meeting.

   Commissioner Saltzgaver made a motion to excuse Commissioner Levine from the July 26, 2018 Board meeting. Commissioner Martinez seconded the motion.

   President Shannon called for the vote. The motion carried with a 4 yes, 1 absent vote.

   President Shannon called for any other new business.

   Commissioner Martinez inquired about attendance at the upcoming WateReuse Conference taking place in Austin, Texas. He advised he had had several conversations with other agency members at the recent SCWC dinner regarding this conference. He noted that Mr. Garner had provided the Board with packets containing background information regarding this conference for their review. He noted it might be more of a technical conference related to staff, but noted there were some interesting elements contained within the agenda. He noted he would like to have this conference available to any interested Board members.

   Mr. Garner noted that there is a California section of this group, but advised unfortunately they had held their recent conference in March, and there were conflicts for staff to attend that session. He advised that Mr. Wang and Ms. Reger were instead scheduled to attend this upcoming conference.

   Mr. Martinez noted that there were some California sessions being offered at the conference in Texas. He noted there are lessons to be learned from other locations throughout the country.
President Shannon checked with the City Attorney to confirm that Commission approval would be necessary to send a Board member to this conference. Mr. Anthony confirmed that was correct.

President Shannon called for any Commissioner comments.

Commissioner Martinez made a motion to allow interested Commissioners to attend the upcoming WateReuse conference in Austin, Texas.

President Shannon called for a second.

The motion failed for lack of a second.

Commissioner Martinez requested that this conference be agendized at the next Board meeting.

President Shannon called for any other new business. Hearing none he moved on to adjournment.

15. ADJOURNMENT

There being no further business to come before the Board, President Shannon adjourned the regular meeting at 10:54 a.m. to the next special meeting for the Water Commission to be held August 16, 2018 at 9:00 a.m., in the Board Room of the Administration Building, 1800 E. Wardlow Road, in Long Beach, California.

____________________________________
Art Levine, Acting Secretary

Attest:

____________________________________
Gloria Cordero, President
MINUTES
SPECIAL MEETING OF THE BOARD OF WATER COMMISSIONERS
LONG BEACH, CALIFORNIA
AUGUST 16, 2018

The Board of Water Commissioners of the City of Long Beach met in the Board Room at the Administration Building, 1800 E. Wardlow Road, Long Beach, California, on August 16, 2018.

The meeting was called to order at 9:00 a.m. by President Shannon.

PRESENT:
Robert Shannon Commissioner
Gloria Cordero Commissioner
Harry Saltzgaver Commissioner
Frank Martinez Commissioner
Arthur Levine Commissioner
Richard Anthony Deputy City Attorney
Sandra L. Fox Executive Assistant to the Board of Water Commissioners
B. Anatole Falaga Assistant General Manager
Lisa Squires Executive Assistant to the General Manager
Tai Tseng Assistant General Manager – Operations
Paul T. Fujita Director of Finance
Sean Crumby Deputy General Manager – Engineering
Dynna Long Office Administrator
Robert Verceles Manager, Engineering
Abelardo Rendon Manager, Engineering
Kaylee Weatherly Public Information Officer
Richard Anthony Deputy City Attorney
Ken Bott Manager, Administration
Sandra L. Fox Executive Assistant to the Board of Water Commissioners
Monya Hawkins Manager, Information Services
Dean Wang Conservation Specialist
Krista Reger Conservation Specialist
James Morgutia Assistant Administrative Analyst
Lisa Squires Executive Assistant to the General Manager
Greg Sorensen Manager of Budget and Rates
Tai Tseng Assistant General Manager – Operations
Rachel Davis Administrative Analyst II
Ernie Ankele Business Systems Specialist III
Paul T. Fujita Director of Finance
Hannah Harper Conservation Intern
Sean Crumby Deputy General Manager – Engineering
Sarai Bustos Conservation Intern
Dynna Long Office Administrator
Robert Verceles Manager, Engineering
Abelardo Rendon Manager, Engineering
Kaylee Weatherly Public Information Officer
Richard Anthony Deputy City Attorney
Ken Bott Manager, Administration
Sandra L. Fox Executive Assistant to the Board of Water Commissioners
Monya Hawkins Manager, Information Services
Dean Wang Conservation Specialist
Krista Reger Conservation Specialist
James Morgutia Assistant Administrative Analyst
Lisa Squires Executive Assistant to the General Manager
Greg Sorensen Manager of Budget and Rates
Tai Tseng Assistant General Manager – Operations
Rachel Davis Administrative Analyst II
Ernie Ankele Business Systems Specialist III
Paul T. Fujita Director of Finance
Hannah Harper Conservation Intern
Sean Crumby Deputy General Manager – Engineering
Sarai Bustos Conservation Intern

ABSENT:
Christopher J. Garner General Manager
Lana Haddad Director of Government & Public Affairs
Jennifer Rojas Superintendent Sewer Operations
Robert Katzenberger Superintendent Water Services
Liza Gutierrez Manager, Support Services
Jenyffer Vasquez Assistant Administrative Analyst
Doug McKee Treatment Operations Superintendent
Mike Salas Superintendent of Water Construction
Cynthia Andrews-Tate Water Laboratory Manager
Patrizia Hall Manager, Engineering
Chris Pincherli Construction Services Officer

1. PLEDGE OF ALLEGIANCE

Krista Reger led the Board and audience in the Pledge of Allegiance.

2. PUBLIC COMMENT

President Shannon opened the public comment period.
As there was no public comment, the public comment period was closed.

3. **PRESIDENT’S REPORT**
   - Robert Shannon, President, Board of Water Commissioners

   President Shannon announced a tour of Willow Springs Park would take place prior to August 30, 2018. He noted the tour would be led by Mr. Larry Rich from the Office of Sustainability.

   He reported that at the August 30, 2018 Special meeting the Board would consider the proposed Memorandum of Understanding between the Long Beach Water Department and the Office of Sustainability. He referenced a transmittal memo dated June 11, 2018 from Assistant City Manager, Tom Modica, explaining the purpose of the LBWD contribution to the Office of Sustainability. He advised that in that memo the city is asking for a revised amount of $80,000 from LBWD, instead of the current MOU amount of $65,000.

   He requested that staff provide each of the Commissioners with a copy of the June 11, 2018 transmittal memo; a copy of the revised MOU and a copy of the current MOU between LBWD and the Office of Sustainability before this meeting takes place. He advised the Board that they should be prepared to discuss (in detail) at the August 30, 2018 Special Board meeting LBWD’s relationship with the Office of Sustainability, and the Sustainability Commission; and the degree to which there is an overlap between LBWD’s duties, and those of the Office of Sustainability.

   He reported the Board would be attending the Annual Conference of the Urban Water Institute being held August 22 – 24, 2018 in San Diego, CA. He noted the Board would be holding a dinner in Old Town on Wednesday evening, August 22nd.

4. **ACTING GENERAL MANAGER’S REPORT**
   - B. Anatole Falagan, Assistant General Manager

   President Shannon called on Mr. Falagan for his report.

   **REPORT TO BOARD REGARDING LONG BEACH WATER DEPARTMENT INTERN PROGRAM**

   Mr. Bott provided background information regarding the LBWD Intern Program.

   He then asked the supervisors to introduce each of their interns.

   Ms. Reger introduced the interns working in Water Resources:
   - Sarai Bustos – Water Resources
   - Hannah Harper – Water Resources
Ms. Weatherly (a former LBWD intern) spoke about her experience as an intern, and introduced the intern working in Government & Public Affairs:

- David Mesa – Government & Public Affairs

Mr. Mesa commented on his experience as an LBWD intern.

Mr. Verceles provided historical information regarding the Engineering intern component of the program. He then introduced the Engineering interns:

- Vanessa Amador-Valenzuela – Engineering
- John Markus-Gutierrez – Engineering
- Joseph Sees – Engineering
- Marvie Baonawa – Engineering
- Raymond Tan – Engineering

Mr. Markus-Gutierrez and Mr. Tan both spoke about their experience as interns at LBWD.

Ms. Lisa Crowley, LBWD Civil Engineering Assistant, spoke about her internship with LBWD before being hired in a permanent position.

Mr. Bott made closing remarks regarding the program.

President Shannon advised this was a very valuable program, and a great experience for the students.

President Shannon called for any Commissioner comments.

Commissioner Cordero thanked the interns for their good work they are doing for the department through their involvement in the program. She advised they would learn valuable skills regarding teamwork and customer service during their internships. She also expressed appreciation to the staff who oversee the program.

Commissioner Martinez spoke regarding the department’s education program, and noted this program was a valuable component of that overall plan.

Commissioner Saltzgaver made comments regarding the Internship Program, and noted it was a valuable on-the-job training program. He congratulated the interns on their involvement in the program.

President Shannon called for any public comment regarding the Intern Program. Hearing none, he called for a short break for photos to be taken of the interns with the Board members.
Mr. Falagan made closing comments, and complimented Mr. Bott and Mr. Gonzalez for their administration of the program. He thanked the Board for budgeting for the program and their valuable support. He also thanked the managers of the department for their support of the program, and ensuring that the interns are given meaningful work assignments, which provide them with mentoring and valuable work experience.

Commissioner Cordero inquired if the Water Department interns are involved with the Mayor’s Internship Program. Mr. Bott advised that the department’s interns participate in events held by the Mayor for interns.

President Shannon called for any public comment regarding the Acting General Manager’s report. Hearing none he moved on in the agenda.

5. STAFF REPORT ON PROPOSED UTILITY CONSOLIDATION
   • Richard Anthony, Deputy City Attorney

   Mr. Anthony confirmed that on August 7th, the City Council, acting as the Charter Amendment Committee, voted to not place the proposed utility consolidation measure on the November 2018 general election ballot. He noted that there was an amendment made to the motion which directed City management and staff to consider the measure further over the next two years, and reconsider placing it on the ballot (going through the same process) in the lead up to the November 2020 election. He said for the time being this item is on a definite hold.

   President Shannon called for any Commissioner comments or public comments. Hearing none he moved on in the agenda.

6. CONSENT CALENDAR:
   a. Approval of Transfer of Funds by Journal Entry Dated August 16, 2018

   President Shannon called for a motion regarding the Consent Calendar.

   Commissioner Cordero made a motion to approve the Consent Calendar. Commissioner Levine seconded the motion.

   President Shannon called for the vote. The motion carried unanimously.

   6a. Approval of Transfer of Funds by Journal Entry Dated August 16, 2018

   A communication was presented to the Board from Paul Fujita, which is on file at the Long Beach Water Department.

   President Shannon noted there was no public comment.
7. **ADOPT RESOLUTION NO. WD-1398 AUTHORIZING THE GENERAL MANAGER TO ENTER INTO AN AGREEMENT WITH THE CALIFORNIA NATIVE PLANT SOCIETY TO PARTNER IN THE DEVELOPMENT AND IMPLEMENTATION OF A PILOT PARKWAY TRANSFORMATION PROGRAM WITH A BUDGET OF $100,000**

- B. Anatole Falagan, Assistant General Manager

President Shannon introduced agenda item 7. and called on Mr. Falagan for the staff report. Mr. Falagan called on Ms. Reger for the presentation.

Ms. Reger advised that she and Mr. Morgutia would be making the presentation.

Mr. Morgutia provided background information regarding the Parkway Pilot Program which included the following components:

- Encourage city-wide transformation of parkways as follows:
  - Appeals to residents who want to keep their lawns
  - Prevents water waste
  - Complies with MWELO and potential state restrictions
  - Part of the Long Beach water efficiency lifestyle

He also provided information regarding the partnership with the California Native Plant Society to support this pilot program.

He explained the goals of the program as follows:

- Target a new demographic unreached by the Lawn to Garden program
  - Residents that prefer to keep a grass lawn but are mindful of water-use efficiency
- Simplify landscape transformation for parkways
  - Allows for more participation outside the new limited and stricter Lawn to Garden program
- Streamline process to eliminate stress and anxiety for homeowners
  - Provide homeowners with pre-selected plant palettes and design templates
  - Plants will be readily available as kits from local nurseries

Mr. Morgutia outlined the design of the program as follows:

- Customers apply
- Pre-inspection
  - Verify grass in parkway and parkway size
- Customer given voucher to receive plant kit from participating local nurseries
- Customer installs kit and notifies LBWD
- Post inspection
  - Photos taken to verify kit was installed
Mr. Morgutia described the use of parkway block parties as a component of the program to encourage multiple residences in a given neighborhood to convert their parkways under this program. He noted the benefit of these events will bring together California Native Plant Society ambassadors and neighbors to assist with installations. He advised these types of installations will raise awareness of the importance of California native plant materials; reducing water use in the parkway and increase participation in the program.

Mr. Morgutia then turned to Ms. Reger for the balance of the presentation.

At this point in the presentation Commissioner Levine inquired about the use of stone work and rocks in the parkway transformations and requested statistics on the ratio of plant material to other materials to be used in this pilot program.

Ms. Reger outlined the requirements of the City code for walkways and parkways that Lawn to Garden customers, and customers of the parkway pilot program will have to comply with.

Commissioner Saltzgaver asked if the customers would be responsible for killing the lawns in the parkway areas. Ms. Reger advised that the customer have this responsibility, same as the current Lawn to Garden recipients.

At this point in the meeting President Shannon called for any additional Commissioner comments or public comment. Ms. Reger advised she had a few more points to cover in her presentation.

Ms. Reger then outlined the responsibilities of the Long Beach Water Department under this pilot program as follows:

- Maintain program website
- Receive and process applications
- Pre-inspection of sites
- Post-inspection to verify installation

She then outlined the responsibilities of the California Native Plant Society as follows:

- Create a low-water, native plant palette of 15-20 easy-to-grow plants
- Develop a voucher system that easily connects participants with local nurseries
- Produce a Parkway Kit Guidebook and How-to videos
- Create and launch a Program Information Campaign for participants
- Coordinate and market Neighborhood Block planting parties

Ms. Reger reviewed the program budget and program development timeline with the Board. She then reviewed the evaluation components of the pilot program.
President Shannon inquired how much the kits would cost. Ms. Reger advised that final cost is still being determined. She estimated the kits might cost approximately $500 per kit.

President Shannon requested that the General Manager report back to the Board when the final cost of the kits has been determined.

President Shannon called for any public comment, or additional Commissioner comments.

Commissioner Cordero inquired if the department was working with Armstrong nurseries regarding this program. Ms. Reger replied yes.

Commissioner Saltzgaver commented on unintended consequences/concerns that might occur with this program as follows: 1) Demand that might not be able to be fulfilled; 2) Not sure if this is part of the current Lawn to Garden program; 3) Huge barrier to homeowners who have irrigation systems installed in parkways; 4) Timing of prepping parkways for appropriate time for planting season. Noted he feels more follow-up with customers might be warranted. He asked staff to do some follow-up to mitigate these possible trouble areas for the program.

Ms. Reger advised this pilot program is not related to the Lawn to Garden program, but is a separate program.

Mr. Falagan reminded the Board that when staff had brought the Lawn to Garden refresh program to them previously they had inserted some new requirements such as stormwater capture elements, etc. to be included in the LTG designs.

Ms. Reger advised that parkway irrigation systems will be capped; noting that the use of California natives do not require irrigation once they are established.

She advised staff would have a follow-up conversation with CNPS regarding the turf removal component of the pilot program to ensure the applicant receives as much information regarding this process before proceeding with the lawn kill component.

Commissioner Cordero commented favorably regarding the block party aspect of the program.

Commissioner Cordero made a motion to adopt Resolution No. WD-1398 authorizing the General Manager to enter into an agreement with the California Native Plant Society to partner in the development and implementation of a pilot Parkway Transformation program with a budget of $100,000.
President Shannon clarified that staff would be returning to the Board with an update on this pilot program in six months. Ms. Reger confirmed this.

Commissioner Saltzgaver seconded the motion.

President Shannon called on Ms. Fox for a Roll Call vote.

A Roll Call vote was taken as follows:

<table>
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<tr>
<th>AYES:</th>
<th>COMMISSIONERS:</th>
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<tbody>
<tr>
<td></td>
<td>GLORIA CORDERO:</td>
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<td></td>
<td>HARRY SALTZGAVER;</td>
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<td>FRANK MARTINEZ</td>
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<td></td>
<td>ART LEVINE; ROBERT SHANNON</td>
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<tr>
<td>NOES:</td>
<td>COMMISSIONERS:</td>
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<td>ABSENT:</td>
<td>COMMISSIONERS:</td>
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</tr>
<tr>
<td>ABSTAIN:</td>
<td>COMMISSIONERS:</td>
<td>NONE</td>
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</tbody>
</table>

The motion carried unanimously.

Mr. Falagan made closing comments regarding the importance of this type of program considering implementation of increased mandates regarding stormwater capture and increased penalties for wasting of water.

He then announced that Ms. Reger had accepted a position with the Metropolitan Water District (MWD), and reported that this would be her last Board meeting. He called on Ms. Reger to make comments.

Ms. Reger advised her new position with MWD was in their Water Efficiency Unit. She advised she had been working closely with this group on behalf of the LBWD and now would have the opportunity to head their new $17 million landscape transformation program.

The Board members thanked Ms. Reger for her work at LBWD, and congratulated her regarding her new position.

8. AUTHORIZE THE GENERAL MANAGER TO EXECUTE A DEVELOPER’S AGREEMENT WITH SKID ROW HOUSING TRUST REAL ESTATE GROUP, LLC FOR THE RELOCATION OF EXISTING WATER MAINS, ABANDONMENT OF EXISTING SEWER MAINS, AND CONSTRUCTION OF WATER AND SEWER SERVICE CONNECTIONS AND APPURTEYNANCES FOR THE AXIOM APARTMENTS DEVELOPMENT LOCATED AT 1401 LONG BEACH BOULEVARD
   - Sean Crumby, Deputy General Manager - Engineering

President Shannon introduced agenda item 8. and called on Mr. Crumby for a staff report.
Mr. Crumby provided background on the project and the action being requested of the Long Beach Water Department.

President Shannon called for any public comment or Commissioner comments. Hearing none he called a motion.

Commissioner Martinez made a motion to authorize the General Manager to Execute a Developer’s Agreement with Skid Row Housing Trust Real Estate Group, LLC for the Relocation of Existing Water Mains, Abandonment of Existing Sewer Mains, and Construction of Water and Sewer Service Connections and Appurtenances for the Axiom Apartments Development located at 1401 Long Beach Boulevard. Commissioner Cordero seconded the motion.

President Shannon then called for the vote. The motion carried unanimously.

9. CONSIDER STANDING COMMITTEE REFERRALS
   • Robert Shannon, President, Board of Water Commissioners

President Shannon called for any committee referrals.

President Shannon called for a meeting of the Handbook Ad Hoc committee to be scheduled.

Commissioner Saltzgaver confirmed that the Finance Committee had been scheduled for September 6, 2018 at 8:00 A.M.

There was discussion regarding this item being referred by the full Board. Commissioner Saltzgaver advised this was a standing referral since it involved review of quarterly financial data, that would then be reported out to the full Board.

10. NEW BUSINESS

President Shannon called for any new business.

Commissioner Levine inquired about the date for the Board elections.

Mr. Falagan advised the Board election item would be placed on the agenda for the last meeting in September per past practice.

President Shannon called for any other new business. Hearing none he moved on to adjournment.
11. ADJOURNMENT

There being no further business to come before the Board, President Shannon adjourned the regular meeting at 10:05 a.m. to the next special meeting for the Water Commission to be held August 30, 2018 at 6:00 p.m., in the Assembly Room of the Groundwater Treatment Plant, 2950 Redondo Avenue, in Long Beach, California.

__________________________________
Art Levine, Acting Secretary

Attest:

__________________________________
Gloria Cordero, President
The Board of Water Commissioners of the City of Long Beach met at the Willow Springs Park, 2745 Orange Avenue, Long Beach, California, on August 29, 2018.

The meeting/tour was called to order by President, Robert Shannon at 8:30 A.M.

PRESENT: Robert Shannon Commissioner
Gloria Cordero Commissioner
Harry Saltzgaver Commissioner
Frank Martinez Commissioner
Art Levine Commissioner
Christopher J. Garner General Manager
B. Anatole Falagan Assistant General Manager
Larry Rich Director of Office of Sustainability

1. TOUR OF WILLOW SPRINGS PARK

Mr. Larry Rich led the tour for the Long Beach Board of Water Commissioners and staff.

During the tour, there were general questions and comments made by Board members regarding the Willow Springs Park. Mr. Rich responded to these questions and comments.

2. ADJOURNMENT

The meeting/tour ended at 10:19 a.m.

__________________________
Art Levine, Acting Secretary

Attest:

__________________________
Gloria Cordero, President
ITEM 4.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GENERAL MANAGER’S REPORT
### Transfers of Funds by Journal Voucher

**Authorization by the Board of Water Commissioners**  
October 4, 2018  
(For FY2017-2018)

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<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
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<td>315</td>
<td>For the month of August, 2018 (Mail Insertion services)</td>
<td>1,995.00</td>
<td>8,665.97</td>
<td></td>
</tr>
<tr>
<td>316</td>
<td>For the 4th quarter ending 9/30/2018</td>
<td>7,479.79</td>
<td>45,000</td>
<td></td>
</tr>
<tr>
<td>317</td>
<td>For the month of June, 2018</td>
<td>277.70</td>
<td></td>
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</tr>
<tr>
<td>318</td>
<td>For the month of July, 2018</td>
<td>920.31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfer No.</td>
<td>Description</td>
<td>Amount</td>
<td>Total Amount</td>
<td>Annual Budget</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------------------------------------------------------------------</td>
<td>--------</td>
<td>--------------</td>
<td>---------------</td>
</tr>
<tr>
<td>319</td>
<td>For the month of August, 2018</td>
<td>$326.00</td>
<td>$1,526.01</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Tree trimming services charges - To City's Public Works Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>For the month of September, 2018 (estimated)</td>
<td>5,870.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Dig alert charges - To City's Gas &amp; Oil Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>For the month of July, 2018</td>
<td>1,086.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>For the month of August, 2018</td>
<td>1,206.40</td>
<td></td>
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</tr>
<tr>
<td>323</td>
<td>For the month of September, 2018 (estimated)</td>
<td>1,188.30</td>
<td>3,541.25</td>
<td>$12,000</td>
</tr>
<tr>
<td></td>
<td><strong>Fiber optic equipment maintenance charges - To City's Technology &amp; Innovation Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>324</td>
<td>For the 4th quarter ending 9/30/2018</td>
<td>2,745.60</td>
<td></td>
<td>10,982</td>
</tr>
<tr>
<td></td>
<td><strong>Professional Legal Services - To City's Human Resources Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>As of the month of May, 2018</td>
<td>3,204.75</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Elevator maintenance charges - To City's Public Works Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>326</td>
<td>For the 4th quarter ending 9/30/2018</td>
<td>1,350.41</td>
<td>5,369</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wireless Communication device license charges - To City's Technology &amp; Innovation Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>327</td>
<td>As of the month of September, 2018 (estimated)</td>
<td>451.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Constant Contact Software share of costs - To Technology &amp; Innovation Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>328</td>
<td>For FY2018</td>
<td>378.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>New Employees Fingerprinting charges - To City's Human Resources Department</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>329</td>
<td>For the month of May, 2018</td>
<td>288.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>330</td>
<td>For the month of June, 2018</td>
<td>96.00</td>
<td>384.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Lehman Legal Fees - To City Attorney's Office</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>331</td>
<td>For the month of September, 2018 (estimated)</td>
<td>0.63</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Water Revenue Fund**

$1,108,646.27
## Sewer Revenue Fund

**Billing and collection charges - To City's Commercial Services**

<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>332</td>
<td>For the month of July, 2018</td>
<td>$46,118.30</td>
<td></td>
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</tr>
<tr>
<td>333</td>
<td>For the month of August, 2018</td>
<td>24,521.48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>334</td>
<td>For the month of September, 2018</td>
<td>$23,343.13</td>
<td>$93,082.94</td>
<td>$340,462</td>
</tr>
</tbody>
</table>

**Utility Billing & Call Center Charges - To City's Gas & Oil Department**

<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>335</td>
<td>For the month of August, 2018</td>
<td>116,527.93</td>
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</tr>
<tr>
<td>336</td>
<td>For the month of September, 2018 (estimated)</td>
<td>197,944.35</td>
<td>$314,472.28</td>
<td>$1,511,035</td>
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</tbody>
</table>

**Customer Information System share of costs - To City's Technology & Innovation Department**

<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>337</td>
<td>For the 4th quarter ending 9/30/2018 (estimated)</td>
<td>165,097.69</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Payment Processing Project Management Services share of costs - To City's Technology & Innovation Department**

<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>338</td>
<td>For the 4th quarter ending 9/30/2018 (estimated)</td>
<td>14,675.44</td>
<td>$113,789</td>
<td></td>
</tr>
</tbody>
</table>

**California Sales and Use Taxes - To City's Trust Fund**

<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>339</td>
<td>For the 4th quarter ending 9/30/2018</td>
<td>174.73</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Lehman Legal Fees - To City Attorney's Office**

<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>340</td>
<td>For the month of September, 2018 (estimated)</td>
<td>0.19</td>
<td>$588,403.24</td>
<td></td>
</tr>
</tbody>
</table>

**Total Sewer Revenue Fund**

$1,697,049.51
LONG BEACH WATER DEPARTMENT  
BOARD OF WATER COMMISSIONERS  

RETIREMENT ORDER  

ORDER NO  RO-6152  
DATE  October 4, 2018  

MONTH ENDING  
(Deprciation Through This Month)  
September 2018  

Members of the Board:  
This retirement order covers items that have become obsolete or unrepairable during the current year.  
These items will not be sold at auction.  

It is recommended that the Board approve the retirement of the items listed and that they be removed from the Department's records.  

<table>
<thead>
<tr>
<th>QTY</th>
<th>PROPERTY TO RETIRE</th>
<th>FIXED ASSET #</th>
<th>G/L ACCT</th>
<th>Asset Value</th>
<th>Accumulated Depreciation</th>
<th>Book Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,686</td>
<td>3/4&quot; Disc Meters</td>
<td>WA0337001</td>
<td>205</td>
<td>$43,413.73</td>
<td>$43,413.73</td>
<td>-</td>
</tr>
<tr>
<td>267</td>
<td>1&quot; Disc Meters</td>
<td>WA0337010</td>
<td>205</td>
<td>$16,692.98</td>
<td>$16,692.98</td>
<td>-</td>
</tr>
<tr>
<td>294</td>
<td>1-1/2&quot; Disc Meters</td>
<td>WA0337015</td>
<td>205</td>
<td>$38,065.92</td>
<td>$38,065.92</td>
<td>-</td>
</tr>
<tr>
<td>153</td>
<td>2&quot; Disc Meters</td>
<td>WA0337020</td>
<td>205</td>
<td>$27,307.37</td>
<td>$27,307.37</td>
<td>-</td>
</tr>
<tr>
<td>8</td>
<td>3&quot; Compound Meters</td>
<td>WA8200908</td>
<td>205</td>
<td>$11,353.27</td>
<td>$2,838.39</td>
<td>8,514.88</td>
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<tr>
<td>12</td>
<td>4&quot; Compound Meters</td>
<td>WA8250906;</td>
<td>205</td>
<td>$15,481.31</td>
<td>$4,611.45</td>
<td>10,869.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WA8250907</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>6&quot; Compound Meters</td>
<td>WA0337115</td>
<td>205</td>
<td>$5,696.72</td>
<td>$5,696.72</td>
<td>-</td>
</tr>
<tr>
<td>1</td>
<td>6&quot; Fireflow Meters</td>
<td>WA0337190</td>
<td>205</td>
<td>$8,097.16</td>
<td>$8,097.16</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>2&quot; Turbo Meters</td>
<td>WA0337300</td>
<td>205</td>
<td>$502.41</td>
<td>$360.86</td>
<td>141.55</td>
</tr>
<tr>
<td></td>
<td>3&quot; Turbo Meters</td>
<td>WA0337305</td>
<td>205</td>
<td>$1,763.44</td>
<td>$1,341.00</td>
<td>422.44</td>
</tr>
<tr>
<td></td>
<td>4&quot; Turbo Meters</td>
<td>WA0337310</td>
<td>205</td>
<td>$7,702.27</td>
<td>$4,304.79</td>
<td>3,397.48</td>
</tr>
<tr>
<td></td>
<td>TOTAL</td>
<td></td>
<td></td>
<td>$176,076.58</td>
<td>$152,730.37</td>
<td>$23,346.21</td>
</tr>
</tbody>
</table>

DISPOSITION

SALE    PRICE

ABANDON IN PLACE    DAMAGED    MISSING    SALVAGE    SCRAPPED    TRADE-IN    REMARKS

Prepared by:  
Yumina Eggleston  9/23/2018

Director of Finance

General Manager

AUTHORIZED BY BOARD OF WATER COMMISSIONERS

DATE

DATE

DATE
MEMBERS OF THE BOARD:

THIS RETIREMENT ORDER COVERS ITEMS THAT HAVE BECOME OBSOLETE AND/OR UNREPAIRABLE DURING THE CURRENT YEAR.

IT IS RECOMMENDED THAT THE BOARD APPROVES THE RETIREMENT OF THESE OBSOLETE ITEMS, WHICH ARE DESCRIBED BELOW, AND THAT THESE ITEMS BE REMOVED FROM THE DEPARTMENT'S FIXED ASSET RECORD AND SOLD AT AUCTION.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ASSET NO.</th>
<th>YEAR PURCHASED</th>
<th>LIFE</th>
<th>ORIGINAL COST</th>
<th>ACCUMULATED DEPRECIATION</th>
<th>BOOK VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 1996 Ford F800 Truck; VIN: 1FDWF80C2TV26085; Reason: Worn out; Transmission problem</td>
<td>WAV000521</td>
<td>1996</td>
<td>22</td>
<td>$37,322.44</td>
<td>$37,322.44</td>
<td>$ -</td>
</tr>
<tr>
<td>2. Trailer, Zieman Tandem; VIN: 1ZCE29E25LZP16350; Reason: No longer in use; Unable to meet load capacity requirement</td>
<td>WAV004808</td>
<td>1990</td>
<td>28</td>
<td>$6,739.13</td>
<td>$6,739.13</td>
<td>$ -</td>
</tr>
</tbody>
</table>

TOTAL: $44,061.57

DISPOSITION

SALE X PRICE

ABANDON IN PLACE
DAMAGED
TRADE-IN
SALVAGE
SCRAPPED
MISSING

REMARKS:

PREPARED BY: Yumina Eggleston 9/25/2018

Submitted by: DIRECTOR OF FINANCE 9/26/18
Reviewed by: ASSISTANT GENERAL MANAGER-OPERATIONS 9/27/18
Approved by: GENERAL MANAGER 9/27/18

Approved by Board of Water Commissioners:
Members of the Board:
This retirement order covers items that have become obsolete or unrepairable during the current year. These items will not be sold at auction.

It is recommended that the Board approve the retirement of the items listed and that they be removed from the Department's records.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ASSET NO.</th>
<th>YEAR PURCHASED</th>
<th>LIFE</th>
<th>ORIGINAL COST</th>
<th>ACCUMULATED DEPRECIATION</th>
<th>BOOK VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Compressed Natural Gas (CNG) Station; Reason: No longer in use</td>
<td>WAP3410501</td>
<td>1997</td>
<td>21</td>
<td>$301,218.59</td>
<td>$301,218.59</td>
<td>$ -</td>
</tr>
<tr>
<td>2. Master Plan Sewer-Area 8 Focused; Reason: Obsolete; No longer being used</td>
<td>WA0173000</td>
<td>2004</td>
<td>14</td>
<td>$338,900.09</td>
<td>$338,900.09</td>
<td>$ -</td>
</tr>
<tr>
<td>3. Master Plan Sewer System Citywide(2009); Reason: Obsolete; No longer being used</td>
<td>WA0173001</td>
<td>2009</td>
<td>9</td>
<td>$694,675.90</td>
<td>$568,373.12</td>
<td>$126,302.78</td>
</tr>
<tr>
<td>4. Tape Library, Ultrium IBM System; S/N: 0004744 Reason: Obsolete; No longer working</td>
<td>WAE006231</td>
<td>2004</td>
<td>14</td>
<td>$20,846.41</td>
<td>$20,846.41</td>
<td>$ -</td>
</tr>
<tr>
<td>5. GIS Server Memory, IBM System; Reason: Obsolete; No longer working</td>
<td>WAIS06291</td>
<td>2008</td>
<td>10</td>
<td>$9,346.90</td>
<td>$9,346.90</td>
<td>$ -</td>
</tr>
<tr>
<td>6. Printer/Plotter, HP Design Jet; S/N: ESB7103817; Reason: Obsolete; No longer working</td>
<td>WA005894</td>
<td>1997</td>
<td>21</td>
<td>$8,944.97</td>
<td>$8,944.97</td>
<td>$ -</td>
</tr>
<tr>
<td>7. Computer, Pentium M778 GTSI; S/N: S8HKSA66819; Reason: Obsolete; No longer working</td>
<td>WAE006266</td>
<td>2006</td>
<td>12</td>
<td>$6,053.46</td>
<td>$6,053.46</td>
<td>$ -</td>
</tr>
<tr>
<td>8. Computer, Panasonic Intel Premium; S/N: 7HKSA68012; Reason: Obsolete</td>
<td>WAE006281</td>
<td>2007</td>
<td>11</td>
<td>$5,013.22</td>
<td>$5,013.22</td>
<td>$ -</td>
</tr>
<tr>
<td>9. Laboratory supplies dishwasher, Lancer; Reason: Broken</td>
<td>WA005948</td>
<td>1997</td>
<td>21</td>
<td>$10,725.37</td>
<td>$10,725.37</td>
<td>$ -</td>
</tr>
<tr>
<td>10. Cleaning Tank, Ultrasonic; Reason: Replaced during facility rehabilitation</td>
<td>WAM006195</td>
<td>2002</td>
<td>16</td>
<td>$7,076.19</td>
<td>$7,076.19</td>
<td>$ -</td>
</tr>
</tbody>
</table>
Members of the Board:
This retirement order covers items that have become obsolete or unrepairable during the current year. These items will not be sold at auction.

It is recommended that the Board approve the retirement of the items listed and that they be removed from the Department’s records.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ASSET NO.</th>
<th>YEAR PURCHASED</th>
<th>LIFE</th>
<th>ORIGINAL COST</th>
<th>ACCUMULATED DEPRECIATION</th>
<th>BOOK VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>11. Chemical Tank, Hydrofluoric acid;</td>
<td>WA005017</td>
<td>1992</td>
<td>26</td>
<td>$11,230.94</td>
<td>$9,947.03</td>
<td>$1,283.91</td>
</tr>
<tr>
<td>Reason: Replaced during facility rehabilitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Sewer Pump, KSB;</td>
<td>WAP006320</td>
<td>2011</td>
<td>7</td>
<td>$12,252.05</td>
<td>$8,984.80</td>
<td>$3,267.25</td>
</tr>
<tr>
<td>Model#:KRTK150-31/226XG; S/N: 853049;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Reason: Bad performance; no longer working</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. Iron cutter, Hydraulic Scotchman;</td>
<td>WA004639</td>
<td>1989</td>
<td>29</td>
<td>$5,552.05</td>
<td>$5,552.05</td>
<td>$-</td>
</tr>
<tr>
<td>Reason: No longer working</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Power rolls, New Dimension;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model: P5-250; S/N: 9891156;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reason: Obsolete; No longer working</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. Rollaway Electronic Air Cleaner, Tepco;</td>
<td>3096</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reason: Obsolete; No longer working</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. Trash Pump, Homelite;</td>
<td>5112</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S/N: HN233-0013;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reason: Obsolete; No longer working</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17. Refrigerator, Frigidaire;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S/N: 4A63221179;</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reason: No longer working</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18. Dishwasher, GE;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S/N: HA800642C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reason: No longer working</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
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<tr>
<td>19. Dishwasher, Whirlpool;</td>
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<tr>
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<td>n/a</td>
<td>n/a</td>
<td></td>
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</tbody>
</table>
Members of the Board:
This retirement order covers items that have become obsolete or unrepairable during the current year. These items will not be sold at auction.

It is recommended that the Board approve the retirement of the items listed and that they be removed from the Department's records.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ASSET NO.</th>
<th>YEAR PURCHASED</th>
<th>LIFE</th>
<th>ORIGINAL COST</th>
<th>ACCUMULATED DEPRECIATION</th>
<th>BOOK VALUE</th>
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<td>$</td>
<td>-</td>
<td>$</td>
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<td>22. Weed Eater machine, Honda; S/N:W3140136</td>
<td>n/a</td>
<td>n/a</td>
<td>$</td>
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</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
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<td>$1,431,836.14</td>
<td>$1,300,982.20</td>
<td>$130,853.94</td>
</tr>
</tbody>
</table>

**DISPOSITION**

- **SALE**
- **PRICE**
- **ABANDON IN PLACE**
- **X**
- **SALVAGE**
- **DAMAGED**
- **X**
- **SCRAPPED**
- **TRADE-IN**
- **MISSING**

**REMARKS:**

**PREPARED BY:** Yumina Eggleston 9/26/2018

Submitted by: Director of Finance 9/26/18

Reviewed by: Assistant General Manager-Operations 9/27/18

Approved by: General Manager 9/27/18

Approved by Water Commissioners:
Board of Water Commissioners  
October 4, 2018 Board Meeting

Christopher J. Garner, General Manager

Subject:
Authorize the General Manager to execute a three (3) month Revocable Facility Use Permit with Sully-Miller Contracting Co., with an option to extend the term two (2) times for a period of three (3) months each, at Long Beach Water Department-owned property at St. Louis Avenue and 32nd Street, for staging vehicles, equipment and materials, necessary for paving services provided to the Long Beach Water Department (LBWD) and City.

Executive Summary:
On May 20, 2016, The Boeing Company (Boeing) vacated and surrendered the Long Beach Water Department-owned property at St. Louis Avenue and 32nd Street, previously leased to Boeing for parking and storage. The property is located southwest of the Long Beach Airport, adjacent to The Boeing Company’s property. The property has remained vacant. Refer to Exhibit A.

On September 17, 2018, Sully-Miller Contracting Co. requested access to the Long Beach Water Department-owned property for the temporary staging of vehicles, equipment and materials, necessary for paving services provided to the LBWD and City. Sully-Miller Contracting Co. is presently operating out of Airport-owned property, and must vacate the property to make room for another tenant.

Sully-Miller Contracting Co. has requested use of 20,000 square feet of the 248,423 square foot (5.7 acres) property at St. Louis Avenue and 32nd Street. The proposed monthly rental rate of $2,600 charged to Sully-Miller Contracting Co. is based on the property’s most recent appraised rental value.

The Revocable Facility Use Permit would restrict Sully-Miller Contracting Co.’s use of the property to staging of vehicles, equipment and materials, necessary for paving services provided to the LBWD and City, and would release the LBWD from liability in the event of loss of Sully-Miller Contracting Co.’s property or that of their representatives.

There are no immediate plans for development at this property.

Recommended Action/Fiscal Impacts:
Authorize the General Manager to execute a three (3) month Revocable Facility Use Permit with Sully-Miller Contracting Co., with an option to extend the term two (2) times for a period of three (3) months each, at Long Beach Water Department-owned property at St. Louis Avenue and 32nd Street, for staging vehicles, equipment and materials, necessary for paving services provided to the Long Beach Water Department (LBWD) and City.
Fiscal Impact: Approximately $7,800 over the initial three (3) month term of the Revocable Facility Use Permit. The monthly rental rate is based on the most recent property’s appraised rental value, and the rent charged to Sully-Miller Contracting Co. will be prorated, should they vacate the property early.

B. Anatole Falagan
Assistant General Manager

Christopher J. Garner
General Manager

Attachment
Long Beach Water Department-owned Property
St. Louis Avenue and 32\textsuperscript{nd} Street
(5.7 acres – 248,423 sq. ft.)

Space Requested by Sully-Miller Contracting Co.
(20,000 sq. ft.)
Board of Water Commissioners  
October 4, 2018 Board Meeting

Subject:
Authorization to attend and sponsor the Long Beach Opera’s 40th Anniversary Gala at the Scottish Rite Event Center in Long Beach, California, November 3, 2018 (Community Outreach Event).

Executive Summary:
The Long Beach Opera (LBO) Gala seeks to deepen its connections in the community by partnering with Long Beach area businesses, venues and services.

LBO will honor key political and business partners from the 9th district, including Council Member Rex Richardson at the Gala. The Gala will also be honoring the Convention and Visitor’s Bureau President, Steve Goodling, and Charlie Beirne, the General Manager of the Long Beach Convention Center.

As part of the Long Beach Water Department sponsorship LBO has advised they can include LBWD conservation literature and branded items such as reusable water bottles, shower timers, etc. in the LBO tote bags that will be provided to each Gala participant.

Attached is the Sponsorship Application submitted by Long Beach Opera requesting a sponsorship level of $5,000 (Local Sponsor). The Board has not previously sponsored the Long Beach Opera.

Staff Recommendation:
Determine that an invitation to attend the Long Beach Opera’s 40th Anniversary Gala on November 3, 2018, at the Scottish Rite Event Center (Community Outreach Event), complies with Board Policy Statement 1998-31, Expenditure of Water Department Funds for Board Approved Long Beach Related Community and Civic Activities, and authorize a sponsorship in an amount recommended by the Board of Water Commissioners.

Fiscal Impact: Funds for Long Beach related community activities are included in the FY 2018-2019 annual budget.

Christopher J. Garner  
General Manager  
Date

Attachments
Long Beach Water Department Program Sponsorship Application

Cover Page
Submitted (date) Monday, September 17th, 2018 mail electronic X
Event Date Saturday, November 3rd, 2018 Time 5PM - 10:30 PM
Location Scottish Rite Event Center, Long Beach
Title of Program/Event Long Beach Opera's Roaring 20+20's Gala

Please attach previous or current promotional and sponsorship materials to this application.

APPLICANT ORGANIZATION

Name of Organization Long Beach Opera
Mailing Address 3029 E South Street, 2nd Fl., Long Beach, CA 90805
Phone 562-470-7464 Federal/Tax ID 95-338-7074

Check one:
X Not-for-profit Organization Government Agency Public Organization Sole proprietor: Owner's Full Name

Address

________________________________________

________________________________________

Tax EIN/SSN

Representative of Applicant Organization
Name Jennifer Rivera Title Director of Development
Email Jrivera@longbeachopera.org Cell 562-470-7464
1. Target market for the program/event?

The Roaring 20+20’s Gala celebrates Long Beach Opera’s 40th anniversary and the 20th anniversary of Artistic and General Director Andreas Mitisek’s arrival at LBO. This event targets current LBO audiences and patrons and also is geared towards introducing Long Beach city businesses and individuals in the community to their local, internationally-renowned opera company. The event is ticketed and open to the public. LBO honors 9th District Council Member Rex Richardson, Convention and Visitors’ Bureau President, Steve Goodling, General Manager of the Long Beach Convention Center, Charlie Beime, along with Carol H. Richards, a long-time LBO board member, and LBO Artistic and General Director, Andreas Mitisek.

2. Purpose of program/event?

Long Beach Opera’s annual fundraiser is a source of support for our education and outreach initiatives throughout the City of Long Beach and County of Los Angeles in addition to supporting our arts programming in the City of Long Beach. Celebrating its 40th year of ground-breaking productions, Long Beach Opera is honoring key Long Beach dignitaries and business persons in an effort to build bridges between the arts and other key Long Beach industries in our community. LBO also seeks to engage diverse audiences in dialogue surrounding important social and societal questions. Three Tales by Steve Reich and Beryl Korot, the video-documentary opera which accompanies the Gala discusses three important technological advances of the 20th century and their impact on the environment, humanity and our collective future. The escapist after-party invites opera attendees to rewind time and enter the early 20th century before these technological advances had transformed the modern landscape. LBO is committed to creating art that provokes discussion and conversations that continue outside the theater. This in-depth look at crucial environmental and scientific milestones of the last hundred years will be a point of departure for our 2018-19 “Season of Justice” and discussion of exactly what constitutes justice for our community, our infrastructure, our environment and our world.

3. Sponsorship request?

We request a “LOCAL SPONSOR” Sponsorship in the amount of $5,000.
LOCAL SPONSOR - $5,000 level - Benefits:

Full Table (10 Guests) + invitation for 4 to VIP pre reception
Half Page Ad in Gala and “Three Tales” opera program (600 person reach)
Logo placement on website (www.longbeachopera.org)
Sponsorship Thank you (with Logo) in all Gala E-blasts (10,000 person reach)
Recognition (with Logo) on all printed marketing material for Gala

Underwriting opportunities at the $5000 level can also be customized to match
the Long Beach Water Department’s marketing and/or tax-exemption
preferences. Please call LBO Development staff at 562-470-7464 x105 to discuss
customized underwriting opportunities.

1. Raising public awareness on issues related to the LBWD’s mission and core
business of the department?

2. Contributing to a sustainable Long Beach by promoting conservation?

LBO is providing VIP Gala guests with reusable branded LBO tote bags as a
conservation-friendly gift upon arrival to the 40th anniversary events. LBO is
committed to sustainable and environmentally-friendly practices that reduce
strain on natural resources. Currently LBO is undergoing certification to become
a Long Beach Green Business-certified organization and we are in the final
stages of making accommodations to meet those requirements. We would
happily include LB Water Department sustainability literature or conservation
items such as branded reusable water bottles, shower timers, etc. in gala
attendees gift bags. We have also hired a Green Business-certified caterer, TGIS,
whose commitment to uphold environmentally-friendly best-practices ensures
that our event will be handled with a lighter ecological footprint.

3. Promoting collaboration with regional partners as part of fulfilling the LBWD’s
vision?

Long Beach Opera seeks to deepen its connections in the community by
partnering with Long Beach area businesses, venues and services whenever
possible. With the 40th anniversary Roaring 20+20s Gala, LBO honors key political
and business partners from the 9th District, including Council Member Rex
Richardson. LBO performances take place at venues in the surrounding
community including the Beverly O’Neill Theater at the Long Beach Convention
and Entertainment Center, and this year the Convention and Visitor’s Bureau
President, Steve Goodling and Charlie Beirne, the General Manager of the Long
Beach Convention Center will be honored for their commitment to business and arts in the region.

We look forward to the opportunity to include Long Beach Water Department among our many regional partners in support of Arts Programming in the City of Long Beach. Thank you for considering our proposal.

Applicant Signature The person signing this application certifies that the information presented on this application is correct and complete. This signature is also an affirmative statement that the program or event is not a political fundraising event and is non-partisan.

[Signature]

09/21/2018

Please mail or deliver your completed application to Long Beach Water Department Attention: Executive Assistant to the Board, 4th Floor 1800 E. Wardlow Rd. Long Beach, CA 90807
Additional inquiries or information needed? Please call: 562-570-2302
Gala Table Levels and Benefits

Platinum - $20,000 ($17,000 tax-deductible)
- Framed copy of 2018/19 world premiere score page signed by composer
- Invitation to a closed orchestra rehearsal
- Access to all special events and receptions for 2018/19 season
- Underwriter credit and benefits for one 2018/19 production of choice
- Complimentary full color, full page tribute in Gala program
- Complimentary half page b&w tribute in 2018/19 Season programs
- Premium location Gala table for 10 people
- All benefits of Gold Sponsor Level

Gold - $10,000 ($8,500 tax-deductible)
- Private lunch with Andreas Mitisek
- Complimentary full page tribute in Gala program
- Complimentary quarter page b&w ad in 2018/19 Season programs
- Entry for ten (10) to exclusive President’s Room pre-reception
- Ten (10) commemorative 40th anniversary gift bags
- Prime location Gala table for 10 people
- All benefits of Silver Sponsor Level

Silver - $5,000 ($3,500 tax-deductible)
- Complimentary half page tribute in Gala program
- Entry for four (4) to exclusive President’s Room pre-reception
- Four (4) commemorative 40th anniversary gift bags
- All benefits of Bronze Sponsor Level

Bronze - $3,000 ($1,500 tax-deductible)
- Gala table for 10 people
- “A” level seats for 10 to full performance of Steve Reich’s Three Tales
- Acknowledgement in Gala program
- Entry for two (2) to exclusive President’s Room pre-reception
- Two (2) commemorative 40th anniversary gift bags
Tickets

Premium Ticket $500 ($350 tax-deductible)

- Includes exclusive President's Room pre-reception and complementary commemorative 40th anniversary gift bag
- Includes "A" level seat for full performance of Steve Reich's Three Tales

Single Ticket $300 ($250 tax-deductible)

- Includes "A" level seat for full performance of Steve Reich's Three Tales
<table>
<thead>
<tr>
<th>Category</th>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
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<tr>
<td>CATEGORY 1: Interdepartmental Events</td>
<td>$</td>
<td>TOTAL CATEGORY 1: Interdepartmental Events</td>
<td></td>
</tr>
<tr>
<td>CATEGORY 2: Community Outreach Events</td>
<td>$</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR OCT 28, 2017</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>Belmont Shore Xmas Parade Entrance Fee</td>
<td>Belmont Shore Business Assoc</td>
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<td></td>
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<td>State of the County Luncheon 11/29/2018</td>
<td>LB Chamber of Commerce</td>
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<td></td>
<td>$</td>
<td>TOTAL CATEGORY 2: Community Outreach Events</td>
<td></td>
</tr>
<tr>
<td>CATEGORY 3: Ads for Events</td>
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<td>TOTAL CATEGORY 3: Ads for Events</td>
<td></td>
</tr>
<tr>
<td>CATEGORY 4: Ad &amp; Individual Tickets for Events</td>
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<td>TOTAL CATEGORY 4: Ad &amp; Individual Tickets for Events</td>
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</tr>
<tr>
<td></td>
<td>$ 3,395</td>
<td>TOTAL SPONSORSHIPS YTD</td>
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<tr>
<td></td>
<td>$ 50,000</td>
<td>FY 19 SPONSORSHIP BUDGET</td>
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6.8% (as of Sept 27, 2018)
## FY 18 SPONSORSHIPS

### CATEGORY 1: Interdepartmental Events

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<td>WATER DEPT-STATE OF THE CITY 2018<em>6596-1</em></td>
<td>L B CONVENTION &amp; ENTERTAINMENT CTR</td>
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<td>$5,000</td>
<td>MAYOR'S INAUGURATION</td>
<td>MAYOR'S FUND FOR EDUCATION</td>
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### CATEGORY 2: Community Outreach Events

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<td>WATER DEPT-SPONSORSHIP GOODWILL POWER 2/28/18</td>
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<td>$400</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
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<tr>
<td>$750</td>
<td>WATER DEPT-POLICE &amp; FIRE LUNCHEON 3/27/18</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
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<td>$1,500</td>
<td>WATER DEPT-SPONSORSHIP FOR CA WTR POLICY CONF</td>
<td>SACRAMENTO RIVER WATERSHED PROGRAM</td>
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<tr>
<td>$2,500</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/8/18</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
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<td>WATER DEPT-SPONSORSHIP LUNCHEON 5/31/18</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
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<tr>
<td>$2,000</td>
<td>SPONSORSHIP 2018 BLUE WHALE GALA AWARDS 06/09/18</td>
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<td>$1,000</td>
<td>WATER DEPT- MEALS ON WHEELS SPONSORSHIP 7/21/18</td>
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### CATEGORY 3: Ads for Events

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<td>SPONSORSHIP MUSICA ANJELICA GALA AD (INVOICED)</td>
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### CATEGORY 4: Ad & Individual Tickets for Events

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<tr>
<td>$1,000</td>
<td>WATER DEPT- SPONSORSHIP FOR APRIL 25TH EVENT</td>
<td>WOMEN'S SHELTER OF LONG BEACH</td>
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<tr>
<td>$1,375</td>
<td>LBCC 90TH ANNIVERSARY CELEBRATION GALA (INVOICED)</td>
<td>LONG BEACH CITY COLLEGE</td>
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<tr>
<td>$720</td>
<td>ICT ENCORE 2018 EVENT</td>
<td>INTERNATIONAL CITY THEATRE</td>
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<tr>
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<td>PARTNERS OF PARKS 9/29/2018 SOWING THE SEEDS OF SUM PARTNERS OF PARS</td>
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</table>
$ 4,095 TOTAL CATEGORY 4: Ad & Individual Tickets for Events

$ 40,740 TOTAL SPONSORSHIPS YTD
$ 30,000 FY'18 SPONSORSHIP BUDGET

135.8% (as of Sept 11th, 96% of the year)
**Board of Water Commissioners**

**FY 17 SPONSORSHIPS**

**CATEGORY 1: Interdepartmental Events**

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<thead>
<tr>
<th>Actuals</th>
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<tr>
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**CATEGORY 2: Community Outreach Events**

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 500</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP LEADERSHIP AWARDS DINNER 12/8/16</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 7/9/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/9/17</td>
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</tr>
<tr>
<td>$ 1,250</td>
<td>WATER DEPT-SPONSORSHIP CONF 7/17-6/30/18</td>
<td>URBAN WATER INSTITUTE INC</td>
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<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR OCT 28, 2017</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP AWARDS EVENT 09/29/17</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 2/8-2/10/17</td>
<td>URBAN WATER INSTITUTE INC</td>
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<td>URBAN WATER INSTITUTE INC</td>
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<tr>
<td>$ 2,500</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 6/1/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 3,000</td>
<td>WATER DEPT-SPONSORSHIP 5/8/17 ORCHESTRA GALA</td>
<td>MUSICA ANGELICA</td>
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<tr>
<td>$ 5,000</td>
<td>WATER DEPT - SPONSORSHIP CONSERVATION AWARDS 2017</td>
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<tr>
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$ 36,250 TOTAL SPONSORSHIPS YTD  
$ 30,000 FY 17 SPONSORSHIP BUDGET  
120.8% (as of May 24, 67% of the year)

MOVED TO GOVT PUBLIC AFFAIRS  
$ 25,000 WATERSHED EXHIBIT SPONSORSHIP PAYMENT 1 OF 2  
AQUARIUM OF THE PACIFIC
BOARD OF WATER COMMISSIONERS

Policy Statement 1998-31

RE: EXPENDITURE OF WATER DEPARTMENT FUNDS FOR BOARD APPROVED LONG BEACH RELATED COMMUNITY AND CIVIC ACTIVITIES

As provided by the Long Beach City Charter, the Board of Water Commissioners may, in its discretion authorize the expenditure of Water Department funds for the promotion of community and civic activities. That discretion is limited, however, to those activities which have a clear water, water conservation or sewer related purpose.

Requests shall be considered on a case by case basis; special consideration will be given to those activities which promote the following goals:

1. Water education
2. Sound water policy
3. Water conservation
4. The role of the Department in the Long Beach community.

Consideration will also be given to those activities which educate and also advance the operations of the Sewer division.

At the beginning of each fiscal year, a budget shall be set for the expenditures of these funds. Each expenditure shall require the prior approval of the Board.

ADOPTED: September 24, 1998
AMENDED: August 26, 1999
AMENDED: May 24, 2001
AMENDED: April 17, 2003
AMENDED: March 18, 2004
AMENDED: November 17, 2016
ITEM 9.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GOVERNMENT & PUBLIC AFFAIRS REPORT
ITEM 10.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
1. Pledge of Allegiance

2. Public Comment:

   GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

3. Approval of Minutes – July 12, 2018

4. Election of Officers – President, Vice President, Secretary
   • Robert Shannon, President, Board of Water Commissioners

5. Report from Mark Pestrella, P.E. – Director of Public Works, County of Los Angeles

6. Review Board Meeting Schedule for October 2018
   • Robert Shannon, President, Board of Water Commissioners

7. President’s Report
   • Robert Shannon, President, Board of Water Commissioners

8. General Manager’s Report
   • Christopher J. Garner, General Manager

9. Consent Calendar:
   a. Approval of Transfer of Funds by Journal Entry Dated September 20, 2018

10. Unfinished Business: The following item was held over from the July 26, 2018 Regular Meeting:

    Adopt Long Beach Water Department Education Master Plan
   • Lana Haddad, Director of Government and Public Affairs

11. Adopt Resolution No. WD-1400 naming Chandler’s Sand and Gravel, LLC (Chandler’s) as a sole source vendor to provide a site for disposal of construction materials, and authorize the General Manager to enter into a Sole Source Contract with Chandler’s to provide a site for disposal of construction materials, not to exceed $400,000 for a one-year period with option to extend for two (2) additional one-year periods, subject to a maximum increase of 5% for each renewal period
   • Tai Tseng, Assistant General Manager - Operations
12. Adopt Specifications WD-27-18 and authorize the General Manager to execute an agreement with Allied Universal Security Services to provide security services to the Long Beach Water Department (LBWD) in an amount not to exceed $366,166.68 for a one-year period, and to exercise the options to renew two additional one-year periods. A 5% increase will be imposed for each renewal year, which would bring the final year of contract services to $403,513.67
• B. Anatole Falagan, Assistant General Manager

13. Long Beach Water Department SCADA Report
• Sean Crumby, Deputy General Manager - Engineering

• Tai Tseng, Assistant General Manager - Operations

15. State Conservation Mandate Update
• Dean Wang, Conservation Specialist

16. Report of the Metropolitan Water District (MWD) Board Meeting on September 11, 2018
• Gloria Cordero, Metropolitan Water District Director

17. Consider Standing Committee Referrals
• Robert Shannon, President, Board of Water Commissioners

18. New Business

19. Adjournment to the next Regular Meeting, Thursday, October 4, 2018, at 9:00 a.m. in the Board Room at 1800 E. Wardlow Road, Long Beach, CA

Written materials relating to any item on the Commission's agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.

If language translation of the Commission agenda and minutes for non-English speaking persons is desired please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Commission meeting.

Kung ang pagsasalin-wika ng adyenda at mga katitikan ng Komisyon ay hinahangad para sa mga taong hindi nagsasalita ng Ingles mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 pitong oras bago ang pulong ng Komisyon.

Si desea obtener la traducción lingüística de la agenda y las actas de la Comisión para las personas que no hablan inglés, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión.
September 20, 2018
Page 3


The Board of Water Commissioners of the City of Long Beach met in the Board Room at the Administration Building, 1800 E. Wardlow Road, Long Beach, California, on July 12, 2018.

The meeting was called to order at 9:00 a.m. by President Shannon.

PRESENT:
Robert Shannon Commissioner
Gloria Cordero Commissioner
Harry Saltzgaver Commissioner
Frank Martinez Commissioner
Arthur Levine Commissioner
Richard Anthony Deputy City Attorney
Christopher J. Garner General Manager
Sandra L. Fox Executive Assistant to the Board of Water Commissioners
B. Anatole Falagan Assistant General Manager
Lisa Squires Executive Assistant to the General Manager
Lana Haddad Director of Government & Public Affairs
Paul T. Fujita Director of Finance
Tai Tseng Assistant General Manager – Operations
Sean Crumby Deputy General Manager – Engineering
Dynna Long Office Administrator
Abelardo Rendon Manager, Engineering
Liza Gutierrez Manager, Support Services
Dean Wang Conservation Specialist
Krista Reger Conservation Specialist
Greg Sorensen Manager of Budget and Rates
Ernie Ankele Business Systems Specialist III
Daniel Gutierrez Administrative Analyst I
Jillian Croci Administrative Assistant
Tan Zeng Administrative Analyst I
Larry Rich Sustainability Coordinator

ABSENT:
Jennifer Rojas Superintendent Sewer Operations
Robert Katzenberger Superintendent Water Services
Kaylee Weatherly Public Information Officer
Mike Salas Superintendent of Water Construction
Ken Bott Manager, Administration
Jenyffer Vasquez Assistant Administrative Analyst
Monya Hawkins Manager, Information Services
Doug McKee Treatment Operations Superintendent
Cynthia Andrews-Tate Water Laboratory Manager
Patricia Hall Manager, Engineering
Chris Pincherli Construction Services Officer

1. PLEDGE OF ALLEGIANCE

President Shannon announced, in commemorating the fact that the majority of Commissioners in Long Beach are now women he called on Commissioner Gloria Cordero, who led the Board and audience in the Pledge of Allegiance.
President Shannon asked Commissioner Cordero if she wished to comment on the Mayor’s recent announcement regarding women representation on City Commissions.

She noted that the Mayor had done a good job in making sure that all City Committees and Commissions are diverse.

2. PUBLIC COMMENT

President Shannon opened the public comment period.

As there was no public comment, the public comment period was closed.

3. APPROVAL OF MINUTES – MAY 17, 2018 & MAY 24, 2018

President Shannon called for a motion to approve the minutes.

Commissioner Levine made a motion to approve the minutes of May 17, 2018 and May 24, 2018. Commissioner Cordero seconded the motion.

President Shannon called for the vote. The motion carried unanimously.

Commissioner Levine inquired for the record, since there were two sets of minutes for approval did one vote suffice. It was noted that one motion for approval of both sets of minutes was correct.

4. PRESIDENT’S REPORT

  • Robert Shannon, President, Board of Water Commissioners

President Shannon advised he did not have a report.

5. GENERAL MANAGER’S REPORT

  • Christopher J. Garner, General Manager

President Shannon called on Mr. Garner for his report.

JULY 12, 2018 CITY OF LONG BEACH INAUGURATION

Mr. Garner reported the following event details:

  • Start time: 5:30 P.M.
  • Parking: Free – available at Convention Center lot
  • Location: Terrace Theater Plaza
  • Reception: Immediately following. He advised that the LBWD sponsored cabana would be located on the plaza with a sponsor signage. He advised that food and drinks would be available at the cabana.
PROP 218 HEARING PROTESTS

Mr. Garner reported that five written protests had been received to date.

MANAGEMENT TOUR OF CITY OF LONG BEACH FLEET SERVICES FACILITIES

Mr. Garner reported that Management staff and LBWD fleet employees had a tour of the City fleet facilities on July 11, 2018. He advised the City’s fleet group, headed by Dan Berlanbach had put on an excellent tour, and there had been an opportunity for LBWD fleet employees and Managers to dialog with the City’s fleet staff.

QUARTERLY CHANGE ORDER REPORT

Mr. Garner advised the Board that a copy of the quarterly change order report had been placed in their cubby files.

President Shannon commented on the sizeable change order related to the well rehabilitation of Commission 20 and Citizens 7A wells.

Mr. Rendon provided an explanation regarding the need for the well rehabilitation change order.

President Shannon called for any public comment or Commissioner comment regarding this report. Hearing none he moved on in the agenda.

6. STAFF REPORT ON PROPOSED UTILITY CONSOLIDATION
• Christopher J. Garner, General Manager

Mr. Garner reported that staff had another Meet and Confer meeting with the IAM group, and advised this meeting had gone very well.

He reported another Meet and Confer meeting had been held with the Engineering Labor group and the Management Labor group. He noted these meetings went well also.

He also advised that another Meet and Confer meeting was scheduled for July 13, 2018 with ALBE. He noted this was the second meeting to be held with this group.

He noted the second Charter Amendment meeting was scheduled for Tuesday, July 17, 2018 at 3:30 P.M., and reported he would be making a short presentation regarding the potential Utility Consolidation Charter amendment.

President Shannon called for Commissioner or public comment. Hearing none he moved on in the agenda.
7. CONSENT CALENDAR:
   a. Approve Retirement Order No. RO-6151 for items that have become obsolete and/or unrepairable, and authorize removal of these items from the Department’s records. These items will be sold at auction.

   President Shannon called for a motion regarding the Consent Calendar.

   Commissioner Levine made a motion to approve the Consent Calendar. Commissioner Cordero seconded the motion.

   President Shannon called for the vote. The motion carried unanimously.

8. AUTHORIZATION TO SPONSOR THE INTERNATIONAL CITY THEATRE (ICT) ENCORE 2018 EVENT ON WEDNESDAY, OCTOBER 3, 2018 AT THE PACIFIC BALLROOM AT THE LONG BEACH ARENA
   • Christopher J. Garner, General Manager

   President Shannon introduced agenda item 8. and called on Mr. Garner for a staff report.

   Mr. Garner provided a summary of the event details. He noted that ICT had not requested a specific sponsorship level request. He referred the Board to their board packets to see the available sponsorship levels for their consideration. He reported that the Board had not previously provided a sponsorship for this agency.

   President Shannon called for any public comment. Hearing none he then made comments noting previous discussions regarding contributing money to events based on who they might be honoring at the event. He advised his reluctance had nothing to do with the individuals who were being honored.

   He then made comments regarding the possibility of purchasing individual tickets as a form of sponsorship as this event falls under the Board sponsorship category of community engagement.

   President Shannon called for Commissioner comments.

   Commissioner Levine advised he supported President Shannon’s comments regarding payment of individual Commissioner tickets for this event. He commented on his and history in attending past events at ITC. He also added that Commissioner Saltzgaver is a support of this agency.

   Commissioner Cordero advised she agreed with the community aspect regarding this sponsorship request, and noted the importance of the Board being visible at community events. She suggested sponsoring an event program ad recognizing Christopher Steinhauser as a tie-in to the department’s collaboration with the LBUSD.
President Shannon advised an ad only recognizing one of the honorees would not be fair.

Commissioner Martinez advised he concurred with President Shannon’s earlier comments. He referred the Board to the Board packet handout listing the year’s sponsorships in relation to the sponsorship budget allotment.

Commissioner Saltzgaver commented on the number of sponsorship requests the Board is receiving. He noted he is very involved with ICT and advised he has season tickets to their events. He advised he would be attending this event, and noted he was not in support of a Board sponsorship for this organization. He suggested the Board consider sponsoring a ½ page ad in the event program congratulating all the honorees.

Commissioner Saltzgaver made a motion that the Board purchase a ½ page ad in the event program congratulating all the honorees. Commissioner Cordero seconded the motion.

Commissioner Cordero agreed with purchasing an ad to recognize all three of the honorees. She suggested that the ad contain language representative of the department’s work in the community.

Commissioner Saltzgaver amended his original motion as follows: Authorize the Board to purchase a ½ page ad in the event program congratulating all the honorees, and requested that Commissioner Cordero have input regarding the content of the ad. (Note – no second received).

Commissioner Cordero asked the other Commissioners how they felt about her suggestion regarding the ad content. She suggested the ad could just contain a congratulatory message from the Long Beach Board of Water Commissioners.

Commissioner Martinez reminded the Board that his stand is to not spend a lot of money on the sponsorship requests.

Commissioner Cordero added that she will leave the content of the ad up to the staff graphics group to develop.

President Shannon requested a friendly amendment to the original motion that tickets would be added to the sponsorship for any Commissioner (and a guest) who wished to attend the ICT event at the expense of the Water Department.

Commissioner Saltzgaver advised he would accept the friendly amendment. Commissioner Levine seconded the amended motion.

President Shannon outlined the sponsorship would consist of a ½ page tribute ad at $500.00 and individual tickets at $220.00 each.

President Shannon called for any additional Commissioner comments. Hearing none he called for the vote on the amended motion.
The motion carried unanimously.

President Shannon then called for any public comment on agenda item 8. Hearing none he moved on in the agenda.

9. **ADOPT RESOLUTION NO. WD-1393 AUTHORIZING THE GENERAL MANAGER TO ENTER INTO A CONTRACT WITH WEST COAST SAND & GRAVEL, INC. TO FURNISH AND DELIVER ROCKS, SAND, AND CRUSHED AGGREGATE BASE IN AN AMOUNT NOT TO EXCEED $180,000**

- Tai J. Tseng, Assistant General Manager – Operations

President Shannon introduced agenda item 9. and called on Mr. Tseng for a staff report.

Mr. Tseng provided background information regarding the requested contract. He advised the City of Long Beach Purchasing Bureau (City) initiated an interim contract, while the City advertised the bid. He reported the City was unsuccessful in awarding a permanent contract after the bids were received and had decided to re-bid the contract.

He noted the interim contract the City provided was insufficient to cover LBWD’s construction material needs, so advised that LBWD would like to initiate a new interim contract with West Coast Sand & Gravel through an approved Exception to Policy to continue to purchase construction materials without interruption. He advised that West Coast Sand & Gravel had agreed to hold current pricing, and terms and conditions for this new interim contract until the City awards the permanent contract.

President Shannon called for any public comment. Hearing none, he called for Commissioner comments.

Commissioner Cordero requested clarification regarding this type of bid.

Mr. Tseng explained the process used by the Department to procure these types of materials.

Commissioner Cordero made a motion to adopt Resolution No. WD-1393 authorizing the General Manager to enter into a Contract with West Coast Sand & Gravel, Inc. to furnish and deliver rocks, sand, and crushed aggregate base in an amount not to exceed $180,000. Commissioner Saltzgaver seconded the motion.

President Shannon called on Ms. Fox for a Roll Call vote.
A Roll Call vote was taken as follows:

AYES: COMMISSIONERS: GLORIA CORDERO; HARRY SALTZGAVER; FRANK MARTINEZ; ART LEVINE; ROBERT SHANNON

NOES: COMMISSIONERS: NONE

ABSENT: COMMISSIONERS: NONE

ABSTAIN: COMMISSIONERS: NONE

The motion carried unanimously.

10. REPORT ON LONG BEACH WATER DEPARTMENT MOU WITH OFFICE OF SUSTAINABILITY

- Larry Rich, Sustainability Coordinator

President Shannon introduced agenda item 10. Mr. Garner provided background information regarding the current MOU with the Office of Sustainability; and noted an MOU with that office had been in place for about ten years. He advised that other city departments also contribute to the Office of Sustainability through MOUs.

He provided background regarding the requested adjustment to the current MOU which would add an additional $15,000 to the current MOU (for a total of $80,000 beginning October 1, 2018 – September 30, 2019) between LBWD and the Office of Sustainability.

He reminded the Board that the President had recently noticed a charge on a Transfer of Funds and had requested a report related to the Office of Sustainability.

Mr. Rich provided an overview of the Office of Sustainability, its history and activities.

During Mr. Rich’s presentation, he mentioned the Greywater Pilot Project that LBWD had partnered on with the Office of Sustainability. President Shannon noted since this project had occurred before most of the current’s Board tenure he requested that LBWD staff provide an overview.

Mr. Falagan provided background information regarding that project.

Commissioner Levine requested clarification on the Office of Sustainability rain barrel program. Mr. Rich provided an explanation in response to this inquiry.

President Shannon called for any public comment regarding the report. Hearing none he called for any additional Commissioner comments.

Commissioner Levine requested that the Office of Sustainability promote the LBWD conservation programs as part of their work.
Commissioner Cordero commented about the Climate Action & Adaptation Plan that was mentioned during Mr. Rich’s report. She advised she would be interested in seeing if there would be an opportunity for LBWD to work with the Office of Sustainability to elevate this program for additional citizen participation.

Mr. Rich provided background information on the current activities (including workshops and outreach event throughout the city) occurring related to this plan.

Commissioner Cordero requested that staff keep the Board updated on events taking place related to the Climate Action & Adaptation Plan.

Commissioner Cordero expressed an interest in touring the Willow Springs Park that Mr. Rich mentioned in part of his presentation.

President Shannon requested that staff set up a tour for the Board of the Willow Springs Park, and coordinate this tour with Mr. Rich.

Commissioner Saltzgaver inquired about Farm Lot 59 that is adjacent to Willow Springs Park, and wondered if the Office of Sustainability was involved with this group.

Mr. Rich advised no, since this is a separate non-profit group that operates that program through a lease with the Parks and Recreation department.

Commissioner Saltzgaver also commented regarding the recently dedicated wetlands that is a part of the Willow Springs Park.

There was a brief discussion regarding the Mayor’s Climate Risk Assessment report that is now a part of the Climate Action & Adaptation Plan.

President Shannon expressed concern that the LBWD Lawn to Garden program was not referenced in the Office of Sustainability front yard rain garden direct install projects. Mr. Rich advised he has been working with Ms. Reger in LBWD Water Resources in partnering regarding these two programs.

Commissioner Saltzgaver warned Mr. Rich to be on the lookout for duplication of efforts between the Office of Sustainability and the Long Beach Water Department conservation programs.

President Shannon made closing comments, and then asked the General Manager that the Board approve (in open session) the expenditure for the Office of Sustainability MOU. He also requested that the Board receive yearly updates on what projects the Office of Sustainability will be working on in the future.

President Shannon requested that each Commissioner be provided with a copy of the current Office of Sustainability MOU, and a copy of the proposed amended MOU prior to the Willow Springs Park tour. He then advised it would be determined later if an item needed to be agendized regarding this topic.
Mr. Rich provided background on the current MOU and the proposed amendment. He advised that MOUs had originally been put in place since 2009, and were on three-year cycles. He advised he looked forward to working with staff and the Board to craft language for the MOU that will be put in place in 2020.

Commissioner Martinez thanked Mr. Rich for a very informative and positive report.

11. REPORT OF THE METROPOLITAN WATER DISTRICT (MWD) BOARD MEETING ON JULY 10, 2018
   • Gloria Cordero, Metropolitan Water District Director

President Shannon introduced agenda item 11. and called on Director Cordero.

Director Cordero reported that the Metropolitan Board of Directors had approved (for the third time) the California Water Fix agenda item. She advised there had been a lot of discussion within the committee meetings, regarding an alleged Brown Act violation which had resulted in the call for a third vote on the California Water Fix item. She advised the MWD Chair, Mr. Record, had declared that the vote on this item would be a yes or no vote (per his Chair discretion) and no substitute motions would be accepted. She reported that directors from Los Angeles, San Diego, Santa Monica and San Fernando had voted against the project.

12. CONSIDER STANDING COMMITTEE REFERRALS
   • Robert Shannon, President, Board of Water Commissioners

President Shannon called for any committee referrals.

Commissioner Saltzgaver advised it was time to schedule another meeting of the Board Policy Handbook Ad Hoc committee. President Shannon requested that Ms. Fox schedule this meeting.

Commissioner Martinez requested that a report regarding the LBWD SCADA program be agendized on a future Board agenda. He advised this report should also include a brief explanation about SCADA, and the plans for the department’s program.

Ms. Fox reminded the Finance Committee members that a meeting had been set for September 6th at 8:00 A.M. to review the third quarter financials.

13. NEW BUSINESS

President Shannon called for any new business.

Mr. Garner called on Ms. Haddad to report on the department’s participation at the Board-sponsored Rancho Los Cerritos Mud Mania event that took place on July 8th.

Ms. Haddad noted that the Rancho had made some positive changes this year for its sustainability partners experience and successful outreach, and included the following in her report:
• All the sustainability organizations were placed in a specific grassy area along with a bluegrass band and other mud activities, so the vendor fair received a lot of attention.
• The Rancho made a concerted and successful effort to direct its attendees over to the vendor fair booths.
• LBWD spoke to well over two hundred families in the 4 hours the booth was staffed.
• LBWD had our spin-the-wheel activity with water use efficiency educational questions to “win” prizes.
• LBWD also provided jugs of ice water with paper cups and had the reusable water bottles as a giveaway for attendees to fill up their gifts with ice cold water to stay hydrated. She advised this also provided staff the opportunity to talk about the exceptional water quality we have in Long Beach. She noted the water and bottles were very appreciated by the attendees.
• The LBWD booth was really busy and oftentimes had a line of people waiting to spin the wheel.
• Rancho staff reported about 650 attendees at the event.

She thanked Ms. Weatherly and Ms. Davis for staffing the LBWD table at the event; and also, thanked Mr. Don Gordon and Mr. Gary Robinson who worked logistics for the event.

She concluded her remarks by noting that she looks forward to continuing the growing relationship with both Ranchos going forward.

Mr. Garner pointed out to the Board that after they leave the meeting they should take a look at the wall on the left as they leave the elevator which currently contains a mockup of the historic listing of the Board of Water Commissioners.

President Shannon invited the other Commissioners to provide input on how the final product should look. He suggested that the final display (possibly made of brass) might be placed on the outside of the Administration Building on the entrance wall near the plaque that dedicates the building.

President Shannon called on Mr. Garner to provide information regard the historical timeline that is also being developed. He noted just around the corner in the lobby from the Commissioner display is a mockup of a timeline for the Long Beach Water Department. He advised the final display will be more detailed, and permanently placed on the wall through the same process as was used for the poem about water on the lobby wall.

He advised that the Commissioner display and the timeline would be placed on the walls at both the Administration building and in the Groundwater Treatment plant lobby. He noted he would have the Board review the timeline project content before it is finalized.
14. ADJOURNMENT

There being no further business to come before the Board, President Shannon adjourned the regular meeting at 10:30 a.m. to the next regular meeting for the Water Commission to be held July 26, 2018 at 9:00 a.m., in the Board Room of the Administration Building, 1800 E. Wardlow Road, in Long Beach, California.

____________________
Harry Saltzgaver, Secretary

Attest:

____________________
Robert Shannon, President
ITEM 4.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

ELECTION OF OFFICERS
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

REPORT FROM MARK PESTRELLA DIRECTOR OF PUBLIC WORKS LOS ANGELES COUNTY
MEASURE W
SAFE CLEAN WATER PARCEL TAX
WATER PORTFOLIO

- Imported Water (57%)
- Groundwater Pumped (34%)
- Recycled Water (Indirect Reuse) (5%)
- Water Conservation (3%)
- Local Surface Water Diversions (1%)

Groundwater Replenishment Supplies
- Stormwater (11%)
- Imported Water (5%)
- Recycled Water (3%)
- Natural Infiltration (15%)
WATER RESILIENCY CHALLENGES

- Pollution
- Fractured Jurisdiction
- Climate Change
- Reliance on Imported Water
- Limited Infrastructure
PROGRAM BENEFITS

1. Improve Water Quality
2. Increase Local Water Supply
3. Enhance Communities
REGIONAL ISSUE…

…REGIONAL APPROACH
Safe, Clean Water Program

- Parcel tax
  - 2.5 cents per square foot of impermeable area
  - $300 million annual revenue
- Watershed-based projects
- Local & Regional Projects
Safe, Clean Water Program

Regional Program

- Funding returned to each watershed proportional to revenue generated there

50% of total Program revenue

Features

- Funding for regional infrastructure projects
- Multi-benefit projects
- Robust stakeholder involvement
- Technical assistance
Safe, Clean Water Program

Regional Program

**Governance**

**Watershed Area Steering Committee Representatives**

- Municipalities
- Water Agencies
- Groundwater Agencies
- Sanitation Agencies
- Parks/Open Space Agencies
- Business
- Environmental Justice
- Environment
- Community
- Flood Control District
# Safe, Clean Water Program

## Regional Program

### Estimated Revenue

<table>
<thead>
<tr>
<th>Watershed Area</th>
<th>Projected Annual Return</th>
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<tbody>
<tr>
<td>Central Santa Monica Bay</td>
<td>$18.1 Million</td>
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<tr>
<td>Lower Los Angeles River</td>
<td>$13.9 Million</td>
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<tr>
<td>Lower San Gabriel River</td>
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<tr>
<td>North Santa Monica Bay</td>
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<td>Rio Hondo</td>
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<td>Santa Clara River</td>
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<td>Upper Los Angeles River</td>
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<tr>
<td>Upper San Gabriel River</td>
<td>$20.1 Million</td>
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Safe, Clean Water Program

Municipal Program

Features

• Maximum flexibility
• Local control of funds
• Focus on water quality
• Funding for existing activities

40% of total Program revenue

• Funding returned to each municipality proportional to revenue generated there
## Safe, Clean Water Program

### Municipal Program

#### Estimated Revenue

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<tr>
<th>CITY</th>
<th>PROJECTED ANNUAL RETURN</th>
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<tr>
<td>Los Angeles</td>
<td>$38 Million</td>
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<td>Long Beach</td>
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<td>Santa Clarita</td>
<td>$3.6 Million</td>
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<td>Carson</td>
<td>$2.8 Million</td>
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**Safe, Clean Water Program**

*District Program*

- Funding provides District-wide regional support and programs.

**Features**

- Education programs
- Regional Studies
- Workforce training
- Technical assistance
- Administration

10% of total Program revenue
LA County Landcover Survey

Identifies

- Vegetation
- Soil
- Structures
- Pavement
- Other

Calculate Impermeable Area
Exempted Parcels Include:

- Government-owned
- Non-profit-owned
- Antelope Valley
- Low-income senior-owned (with application)

Credits of up to 100%:

- Available to all parcel owners
- Up to 80% credit for onsite stormwater improvements
- Up to 100% credit for additional activities
PROJECTS

DOMINGUEZ GAP WETLANDS

ELMER AVE GREEN STREET

BASSETT HIGH SCHOOL
Los Angeles Region’s Public Health and Safe, Clean Water Program

Shall an ordinance improving/protecting water quality; capturing rain/stormwater to increase safe drinking water supplies and prepare for future drought; protecting public health and marine life by reducing pollution, trash, toxins/plastics entering Los Angeles County waterways/bays/beaches; establishing a parcel tax of 2.5¢ per square foot of impermeable area, exempting low-income seniors, raising approximately $300,000,000 annually until ended by voters, requiring independent audits, oversight and local control be adopted?
Learn more at SafeCleanWaterLA.org
# October 2018 Board Meeting Schedule

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<th>Sunday</th>
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<td>5:00 P.M. – ICT ENCORE EVENT</td>
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<td>COLUMBUS DAY OBSERVED</td>
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<td>9:00 A.M. BOARD MTG. ABSENT:</td>
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<td>25 SCWC ANNUAL MTG &amp; DINNER</td>
<td>26</td>
<td>27</td>
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<td></td>
<td>HISTORICAL SOCIETY CEMETERY TOUR - 9AM – 2:30 P.M.</td>
</tr>
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</table>
ITEM 7.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 8.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GENERAL MANAGER’S REPORT
<table>
<thead>
<tr>
<th>Transfer No.</th>
<th>Description</th>
<th>Amount</th>
<th>Total Amount</th>
<th>Annual Budget</th>
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<tbody>
<tr>
<td></td>
<td><strong>Water Revenue Fund</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Business Information System charges - To City's Technology &amp; Innovation Department</em></td>
<td></td>
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<tr>
<td>250</td>
<td>For the 4th quarter ending 9/30/2018</td>
<td>$178,681.20</td>
<td>$714,725</td>
<td>310-WAENW/ WAIM/WAUNAL-300025/300026/300055</td>
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<td><strong>General liability costs - To City's Insurance Fund</strong></td>
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<tr>
<td>258</td>
<td>For the month of June, 2018 (additional charges)</td>
<td>$65,252.75</td>
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<td><strong>Data Center charges - To City's Technology &amp; Innovation Department</strong></td>
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<td><strong>Email and Web Services charges - To City's Technology &amp; Innovation Department</strong></td>
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<td>262</td>
<td>For the 4th quarter ending 9/30/2018</td>
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<td><strong>Long Beach Sustainability program charges - To City's Development Services Department</strong></td>
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<td>263</td>
<td>For the 3rd quarter ending 6/30/2018</td>
<td>$26,499.92</td>
<td>$65,000</td>
<td>310-WAENW</td>
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<td><strong>Water turn-on and turn-off services charges - To City's Gas &amp; Oil Department</strong></td>
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<td>264</td>
<td>For the month of July, 2018</td>
<td>$24,349.65</td>
<td>$440,000</td>
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<td><strong>Property, honesty bond and travel insurance charges - To City's Insurance Fund</strong></td>
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<td>$15,469.00</td>
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<td><strong>Unleaded, Diesel, &amp; LNG fuel charges - To City's Fleet Services</strong></td>
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<td>For the month of July, 2018</td>
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<td><strong>Underground Storage Tank (UST) administration, inspection &amp; repair services charges - To City's Fleet Services</strong></td>
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<td>271</td>
<td>Accounting System operating expense - To City's General Fund</td>
<td>$6,019.16</td>
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<td>Wireless and Radio Communication charges - To City's Technology &amp; Innovation Department</td>
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<td>Civic Center Employee parking charges - To City's Public Works Department</td>
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<td>Messenger Services charges - To City's Technology &amp; Innovation Department</td>
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<td>Backsafe Employee Workshop charges - To City's Human Resources Department</td>
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<td>276</td>
<td>Water programs advertisement services charges - To City's Department of Parks, Recreation and Marine</td>
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<td>Plan reviews &amp; permits fees - To City's Development Services Department</td>
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<td>278</td>
<td>FY18 Executive Assistant Annual Meeting - To City Manager's Office</td>
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<td>Total Water Revenue Fund</td>
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<td>Sewer Revenue Fund</td>
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<td>Business Information System charges - To City's Technology &amp; Innovation Department</td>
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<td>Utility Billing &amp; Call Center Charges - To City's Gas &amp; Oil Department</td>
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<td>Transfer No.</td>
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<td>Annual Budget</td>
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<tr>
<td>285</td>
<td>Email and Web Services charges - To City's Technology &amp; Innovation Department</td>
<td>$8,954.00</td>
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<tr>
<td>286</td>
<td>Property, honesty bond and travel insurance charges - To City's Insurance Fund</td>
<td>247.75</td>
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<td>287</td>
<td>Miscellaneous fleet work order charges - To City's Fleet Services</td>
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<td>288</td>
<td>Accounting System operating expense - To City's General Fund</td>
<td>1,387.91</td>
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<td>Total Fund Transfer (Transfers 256 through 288)</td>
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Board of Water Commissioners
July 26, 2018 Board Meeting

Subject:

Adopt Long Beach Water Department Education Master Plan

Executive Summary:

At the March 20, 2018 meeting of the Communication Committee during a presentation on the education strategy and activities of the Department, the Board indicated interest in an education master plan to codify the Board intent and policy direction. Staff developed and presented a draft to the Board of Water Commissioners on May 24, 2018.

At that time, the Board requested that staff seek more formalized input from local educational partners and experts. The Board also requested a discussion on the possibility of conducting water education programs as an internal function of the Department, as opposed to contracting with outside vendors.

As directed, staff developed a panel of curriculum policy and implementation experts. The panel consisted of four reviewers: two from the most direct program partner, the Long Beach Unified School District (one at the district level, one at a school-site level), one from the California State University College of Education and one from Metropolitan Water District.

Attached is a draft Long Beach Water Department Education Master Plan for the Board’s review, input and adoption. Adoption of the Master Plan reaffirms this Board’s support and advocacy for inclusive and effective educational programming that reaches learners of all grade levels, from kindergarten and beyond. It is intended to provide important direction, context, background and a strategic framework for effective water education, partnerships and programming throughout the service area.

Board Options/Fiscal Impacts

Fiscal Impact: No direct fiscal impact.

Staff Recommendation

Adopt Long Beach Water Department Education Master Plan.

Lana Haddad
Director - Government and Public Affairs

Christopher J. Garner
General Manager

Attachments
Attachment 1

Draft Education Master Plan with Educator Input
Overview

As California embarks on a mission to make conservation and water use efficiency a way of life throughout the state, the Long Beach Water Department (LBWD) continues to exemplify leadership in our mission to contribute to the creation of sustainable community. One important and effective way to accomplish this mission is to provide a robust suite of customer support services and educational programming for students of every age.

The Long Beach Board of Water Commissioners has consistently affirmed its strong support of educational programs that focus on our student population from elementary through high school.

The LBWD Education Master Plan is intended to provide background and a strategic framework for effective water education and water use efficiency partnerships and programming throughout the Long Beach Water Department’s service area. The focus of this Plan is the formal educational programming.
Background

History

LBWD has long engaged in a number of ad hoc and informal educational efforts in order to establish a culture of water use efficiency and conservation in the City.

In 2015, the utility issued a formal request for proposal for educational services and subsequently awarded a contract with the Discovery Science Cube in Santa Ana to reach out to grades four, five and six throughout the school district. In 2017, in response to Board direction to expand educational programming to address additional grade levels, LBWD partnered with a Los Angeles County-based non-profit, Grades of Green, to engage Long Beach schools in an innovative Water Challenge. Grades of Green engages all levels of primary education - from the elementary to high school levels. Eleven Long Beach area schools participated in the pilot Water Challenge in Spring 2018.

Demographics

As one of the nation’s most diverse places, Long Beach is the seventh most populous city in California (38th most populous in the nation). Nearly half a million residents1 (478,561) over fifty-two square miles call our City home. Approximately 25 percent of Long Beach residents are under 18 years of age2 and of that population, nearly 80,000 are enrolled in school3 – from kindergarten through grade 12.

The American Community Survey 2016 data provides a good baseline from which to understand the many ways that diversity is evident in the Long Beach student population, which also reflects the racial, ethnic and socio-economic diversity of the city:

- 47.9 percent are white
- 13.6 percent are African American,
- 10.3 percent are Asian, and
- 56.7 percent identify as Latinx/Hispanic (of any racial background)
- 18.8 percent belong to other groups (Native 1.3 percent, Hawaiian or Pacific Islander 1.1 percent, “some other race” 16.4 percent)
- 9.4 percent of Long Beach students identify as two or more races
- 8.9 percent of Long Beach residents between the ages of 5 – 17 speak a language other than English at home (7.8 percent speak Spanish; .02 speak another Indo-European language; .9 speak an Asian or Pacific Island language)

Of all children under 18 years of age, 35.7 percent are living in households that receive some type of income assistance or benefits (Supplemental Security Income, cash public assistance income or food

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stamps/Supplemental Nutrition Assistance Program benefits); almost 30 percent live in households that are below the poverty level. Two-thirds of children in the city live in renter-occupied housing units. Three percent of children under 18 years of age have some identified disability.4

Learning Styles

LBWD also recognizes that there is a diversity of learning styles for different students. There are many competing models that define learning styles, however at the most basic level, there are five primary ways that students learn:

- Visual (spatial): visual learners prefer using pictures, images, and spatial understanding.
- Aural (auditory-musical): aural learners prefer using sound and music.
- Verbal (linguistic): verbal learners prefer using words, both in speech and writing.
- Physical (kinesthetic): physical learners prefer using the body, hands and sense of touch.
- Logical (mathematical): logical learners prefer using logic, reasoning and systems.

These categories can be further refined into social (group) and solitary (self) learning styles, however, for the purposes of the Department, it is most likely that the most effective and cost-effective programs and partnerships will be presented in a social style of learning, whether that is assembly style or team style programs. Ideally, educational programs contracted and provided by LBWD will engage students in multiple ways to maximize their effectiveness.

Research

Long Beach Water staff conducted an informal interviews of a number of regional water agency education staff to discuss best practices and lessons learned. In-depth discussions with Metropolitan Water District education staff and the San Francisco Public Utilities Commission provided rich material with which to lay a strong foundation for the LBWD educational master plan. One very helpful resource was the SFPUC’s Big Ideas: Linking Water, Power, and Sewer in K-12, An Alignment with Academic Standards book, developed in partnership with the Center for Ecoliteracy, called Big Ideas: Linking Water, Power, and Sewer in K-12, An Alignment with Academic Standards. Big Ideas provides sample lessons connected directly with the K-12 California State Board of Education (SBE) Common Core and Next Generation Science Standards for California Public Schools, Kindergarten through Grade Twelve (CA NGSS).

Goal and Strategies

Goals

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The primary goal of the education program is to effectively build awareness and water efficiency habits in students of all ages and contribute to creating a sustainable Long Beach.

To fulfill the goal of effectively building awareness and water efficiency habits in our students, LBWD seeks to engage teachers and students by providing support and resources through educational programs and partnerships that meet state Common Core and NGSS educational standards.

LBWD will encourage the development and implementation of inclusive education strategies that are sensitive and responsive to the needs of our diverse student population. To further this goal, LBWD will seek to provide a mix of standards-based educational programming that is transformative, engaging, and consistent with LBWD key messages on water supply, water quality, water use efficiency and conservation.

LBWD will work to effectively leverage other existing resources within and without our City to the benefit of our community.

Implementation Strategies

1. Broad reach across grades, to provide repetition and advancement of subject matter
2. Standards-based content to help classroom teachers achieve their state-mandated goals
3. Relevant, age-appropriate technology to engage students
4. Consistent messages with LBWD and complementary, not competing, strategies
5. Diversity of program types developed and implemented to meet student needs
6. Develop relationship with Science Curriculum Leader at Long Beach Unified School District
7. Develop and leverage relationships with higher educational institutions
8. Teach the teacher” Maximize reach of LBWD messages by increasing access to “teach the teacher” programs through partner agencies and programs.
9. Ensure that logic models are developed and implemented for educational programs.
10. Ensure that appropriate, relevant metrics are developed for program evaluation.

Educational Strategies

1. Evidence-based critical thinking: Increase student ability to support thinking by use of evidence
2. Maximize student participation by engaging students in collaborative programs/work, and learning to teach
3. Maximize opportunities to share student’s thinking through use of visual and oral presentations, visual representations, video, music, art and other creative avenues
4. Spiralize content for greater engagement: spiral the content so that each advancing year requires more responsible water conservation behavior on the part of the participants
5. Encourage students to analyze historical and current events through various lenses (e.g. equity and inclusion, environmental and public health)
6. Prompt students to “connect the dots” by applying analytic thinking to program content and to synthesize, make connections, draw conclusions
Attachment 2

Original May 24 Education Master Plan
Education Master Plan 2018

Overview

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Of all children under 18 years of age, 35.7 percent are living in households that receive some type of income assistance or benefits (Supplemental Security Income, cash public assistance income or food

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\(^3\) American Community Survey 2016, United States Census Bureau American Fact Finder: 2012 – 2016 American Community Survey 5-Year Estimates, School Enrollment.
stamps/Supplemental Nutrition Assistance Program benefits); almost 30 percent live in households that are below the poverty level. Two-thirds of children in the city live in renter-occupied housing units. Three percent of children under 18 years of age have some identified disability.4

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- Aural (auditory-musical): aural learners prefer using sound and music.
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Goal and Strategies

Goals

The primary goal of the education program is to effectively build awareness and water efficiency habits in students of all ages and contribute to creating a sustainable Long Beach.

---

To fulfill the goal of effectively building awareness and water efficiency habits in our students, LBWD seeks to engage teachers and students by providing support and resources through educational programs and partnerships that meet state Common Core and NGSS educational standards.

LBWD will encourage the development and implementation of inclusive education strategies that are sensitive and responsive to the needs of our diverse student population. To further this goal, LBWD will seek to provide a mix of standards-based educational programming that is transformative, engaging, and consistent with LBWD key messages on water supply, water quality, water use efficiency and conservation.

LBWD will work to effectively leverage other existing resources within and without our City to the benefit of our community.

Strategies

- Increase student ability to support thinking by use of evidence
- Prompt students to “connect the dots” by applying analytic thinking to program content and to synthesize, make connections, draw conclusions
- Maximize student participation by engaging students in collaborative programs/work, and learning to teach
- Maximize opportunities to share student’s thinking through use of visual and oral presentations, visual representations, video, music, art and other creative avenues
- Encourage students to analyze historical and current events through various lenses (e.g. equity and inclusion, environmental and public health)
- Maximize reach of LBWD messages by increasing access to “teach the teacher” programs through partner agencies and programs.
- Ensure that appropriate, relevant metrics are developed for program evaluation.
Item 10. Adopt Long Beach Water Department Education Master Plan

Presented to the Board of Water Commissioners
September 20, 2018

Lana Haddad, director of government and public affairs
Overview

I. Purpose of Education Master Plan
II. Goal of an Education Program
III. Research
IV. Evaluation
V. Strategies
   A. Implementation
   B. Education
The primary goal of the education program is to effectively build **awareness** and **water efficiency habits** in students of all ages and **contribute to creating a sustainable Long Beach**.
Research

**Initial Research**
- Informal interviews
- Common Core State Standards/Next Generation Science Standards

**Formal Evaluation**
- Panel developed
- Feedback requested
- Input Incorporated
Evaluation Panel

Pamela Seki
Assistant Superintendent
Office of Curriculum, Instruction and Professional Development
Long Beach Unified School District

Monica Daley
Retired teacher and principal
Long Beach Unified School District

Dr. Alejandra Priede Schubert
Assistant Professor, College of Education, CSULB
Project Director, Center for Evaluation and Educational Effectiveness
Program Evaluator, CSULB BUILD Program

Dr. Adrian Hightower
Education Unit Manager
Metropolitan Water District of Southern California
Evaluation Questions

1. **Efficiency/Effectiveness**
   - Could this approach be implemented in ways that are both efficient and effective?

2. **Impact**
   - Will this strategic approach have a lasting, transformative impact on students?

3. **Relevance**
   - Is this topic relevant for educators and students?

4. **Sustainability**
   - Can this approach be sustained in partnership with our educational community?

5. **Comments**
   - Please share any comments or feedback not covered in the first four questions.
“The strategy of “teach the teacher” is one we often employ and builds local capacity to sustain the work. Also, ensuring that the content is aligned with CCSS and NGSS engenders trust and engagement by teachers; and aligns to our mission and course of study.”

Assistant Superintendent Pamela Seki
“The plan looks good in terms of lasting impact. A couple of considerations would be to intentionally spiral the content so that each year requires more responsible water conservation behavior on the part of the participants. Include homework activities. By that, I don’t mean worksheets. I mean specific activities such as completing daily checklists that reflect water conservation strategies and practices […]”

Monica Daley
“Identify the needs of each of your partners so your collaboration with them is sustainable. Find a systemic way to receive feedback from them and adjust the educational plan when needed. Particularly, take teachers’ feedback into account and allow them to take ownership of the implementation of the educational strategy in their schools (with your support).”

Dr. Alejandra Priete Schubert
“This Master Plan is a wonderful step and Metropolitan is happy to support Long Beach Water’s efforts.

The last thing I would add is that Long Beach has a number of local features, specific to Long Beach, that provide unique opportunities for water education. Water education is most effective when, by highlighting local features and issues, it empowers students to look at their local community in a new light.”

Dr. Adrian Hightower
Implementation Strategy

1. Broad reach across grades to provide repetition and advancement of subject matter
2. Standards-based content to help provide classroom teachers achieve their state-mandated goals
3. Relevant, age-appropriate technology to engage students
4. Consistent messages with LBWD and complementary, not competing, strategies
5. Diversity of program types developed and implemented to meet student needs
6. Develop relationship with Science Curriculum Leader at LBUSD
7. Develop and leverage relationships with higher educational institutions
8. “Teach the teacher” Maximize the reach of LBWD messages by increasing access to “teach the teacher” programs through partner agencies and programs
9. Ensure that logic models are developed and implemented for education programs
10. Ensure that appropriate, relevant evaluation metrics are developed for program evaluation
Educational Strategy

1. Evidence-based critical thinking: Increase student ability to support thinking by use of evidence

2. Maximize student participation by engaging students in collaborative programs/work, and learning to teach

3. Maximize opportunities to share student’s thinking through use of visual and oral presentations, visual representations, video, music, art and other creative avenues
4. **Spiralize content for greater engagement:** spiral the content so that each advancing year requires more responsible water conservation behavior on the part of the participants.

5. Encourage students to analyze historical and current events through various lenses (e.g. equity and inclusion, environmental and public health).

6. Prompt students to “connect the dots” by applying analytic thinking to program content and to synthesize, make connections, draw conclusions.
Next Steps

A. Proposed Budget (FY 18/19)
   1. $165,000

B. Educational Services RFP
   1. RFP to be reissued upon direction of the Board
Recommendation

Adopt Long Beach Water Department Education Master Plan.
Discussion
Board of Water Commissioners
September 20, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Adopt Resolution No. WD-1400 naming Chandler’s Sand and Gravel, LLC (Chandler’s) as a sole source vendor to provide a site for disposal of construction materials, and authorize the General Manager to enter into a Sole Source Contract with Chandler’s to provide a site for disposal of construction materials, not to exceed $400,000 for a one-year period with option to extend for two (2) additional one-year periods, subject to a maximum increase of 5% for each renewal period.

Executive Summary:
Chandler’s Sand and Gravel, LLC (Chandler’s) is the only local landfill (within a 15-mile radius) that accepts construction materials including re-bar, tile, porcelain, reinforced wire, and steel. Chandler’s also charges by the truckload as opposed to tonnage, which provides significant cost savings.

The City of Long Beach has been using Chandler’s under a sole source agreement since 1998. Staff requests the continued use of Chandler’s as a sole source vendor for the aforementioned reasons.

Recommendation/Fiscal Impact:
Adopt Resolution No. WD-1400 naming Chandler’s Sand and Gravel, LLC (Chandler’s) as a sole source vendor to provide a site for disposal of construction materials, and authorize the General Manager to enter into a Sole Source Contract with Chandler’s to provide a site for disposal of construction materials, not to exceed $400,000 for a one-year period with option to extend for two (2) additional one-year periods, subject to a maximum increase of 5% for each renewal period.

Fiscal Impact: Funding for this purchase is included in the FY18 Water budget.

Tai J. Tseng
Assistant General Manager - Operations

Christopher J. Garner
General Manager

Attachment
### Historical Expenditures

<table>
<thead>
<tr>
<th>Period</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY16</td>
<td>$322,062</td>
</tr>
<tr>
<td>FY17</td>
<td>$332,000</td>
</tr>
<tr>
<td>FY18 YTD</td>
<td>$327,330</td>
</tr>
<tr>
<td>FY18 ETC</td>
<td>$393,330</td>
</tr>
</tbody>
</table>
RESOLUTION NO. WD-1400

A RESOLUTION OF THE BOARD OF WATER
COMMISSIONERS OF THE CITY OF LONG BEACH
AUTHORIZING THE GENERAL MANAGER TO EXECUTE A
CONTRACT WITH CHANDLER'S SAND AND GRAVEL, LLC
WITHOUT ADVERTISING FOR BIDS TO PROVIDE A
LANDFILL SITE FOR DISPOSAL OF CONSTRUCTION
MATERIALS IN AN AMOUNT NOT TO EXCEED $400,000

WHEREAS, the Board requires a landfill site for disposal of construction
materials; and

WHEREAS, Chandler's Sand and Gravel, LLC is the only landfill within a
fifteen (15) mile radius that accepts construction materials including re-bar, tile, porcelain,
reinforced wire, and steel; and

WHEREAS, no useful purpose would be served by advertising for bids and
to do so would constitute an idle and useless act and unnecessary expenditure of public
funds because Chandler's Sand and Gravel, LLC is the only corporation, firm or individual
that could or would bid to provide a landfill site;

NOW, THEREFORE, the Board of Water Commissioners of the City of Long
Beach resolves as follows:

Section 1. That the above recitals are true and correct and are
incorporated herein.

Section 2. The General Manager of the Long Beach Water Department is
hereby authorized to enter a contract with Chandler's Sand and Gravel, LLC without
advertising for bids for disposal of construction materials in an amount not to exceed
$400,000.00, for a period of one (1) year with an option to extend the contract for two (2)
additional periods of one (1) year each. If the sole source status of Chandler's Sand and
Gravel, LLC changes, the Board will publicly bid instead of extending the contract.

Section 3. This Resolution shall take effect immediately on its adoption by the Board, and the Secretary of the Board shall certify to the vote adopting this Resolution.

I hereby certify that this Resolution was adopted by the Board of Water Commissioners of the City of Long Beach at its meeting on September 20, 2018 by the following vote:

Ayes: Commissioners:

Noes: Commissioners:

Absent: Commissioners:

Secretary
Board of Water Commissioners
Board of Water Commissioners  
September 20, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Adopt Specifications WD-27-18 and authorize the General Manager to execute an agreement with Allied Universal Security Services to provide security services to the Long Beach Water Department (LBWD) in an amount not to exceed $366,166.68 for a one-year period, and to exercise the options to renew two additional one-year periods. A 5% increase will be imposed for each renewal year, which would bring the final year of contract services to $403,513.67.

Executive Summary:
Various utilities, including water systems such as LBWD, have been designated as critical infrastructure by the Department of Homeland Security. In order to ensure that LBWD obtains the most qualified security services provider, Specifications WD-27-18 required qualified bidders demonstrate experience providing security services to at least five (5) “critical infrastructure” facilities, and that two (2) are similar in the nature of their operations to LBWD.

Bids for Specifications WD-27-18 were opened on August 23, 2018. Six (6) bids were received and the successful bidder, Allied Universal Security Services, has met or exceeded those specified requirements. Allied Universal Security Services was also the lowest bidder by approximately $25,000.

Staff Recommendation/Fiscal Impacts
Adopt Specifications WD-27-18 and authorize the General Manager to execute an agreement with Allied Universal Security Services to provide security services to the Long Beach Water Department (LBWD) in an amount not to exceed $366,166.68 for a one-year period, and to exercise the options to renew two additional one-year periods. A 5% increase will be imposed for each renewal year, which would bring the final year of contract services to $403,513.67.

Fiscal Impact:
Funding for this agreement is included in the FY 2018-2019 budget for Security Operations.

B. Anatole Falagan
Assistant General Manager

Christopher J. Garner
General Manager

Attachment
Bid Results
Professional Security Services
Specifications WD-27-18
Bid Opened on August 23, 2018 at 10:00 A.M.

<table>
<thead>
<tr>
<th>RANK</th>
<th>CONTRACTOR</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Allied Universal</td>
<td>$366,166.68</td>
</tr>
<tr>
<td>2</td>
<td>Contact Security, Inc</td>
<td>$391,209.00</td>
</tr>
<tr>
<td>3</td>
<td>Superior Protection Services Ca, Inc.</td>
<td>$402,054.84</td>
</tr>
<tr>
<td>4</td>
<td>American Guard Services</td>
<td>$406,452.88</td>
</tr>
<tr>
<td>5</td>
<td>Securitas</td>
<td>$515,215.64</td>
</tr>
<tr>
<td>6</td>
<td>GSG Protective Services</td>
<td>$519,237.79</td>
</tr>
</tbody>
</table>

ITEM 13.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

LBWD SCADA REPORT
SCADA Improvements - Phase I (Pilot Study)

Ab Rendon, Manager of Engineering
Presented by Jake Hester
<table>
<thead>
<tr>
<th><strong>Background</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WATER WELL</strong></td>
</tr>
<tr>
<td><strong>LIFT STATION</strong></td>
</tr>
<tr>
<td><strong>INTERTIE</strong></td>
</tr>
<tr>
<td><strong>RECLAIMED STATION</strong></td>
</tr>
<tr>
<td><strong>WATER RESERVOIR</strong></td>
</tr>
<tr>
<td><strong>BOOSTER STATION</strong></td>
</tr>
</tbody>
</table>
Supervisory Control And Data Acquisition

HMI
Human Machine Interface

PLC
Programmable Logic Controller

Field Sites
Wells, Tanks, GWTP, Etc.

Long Beach Water
Status of the SCADA System

- PLC Hardware
  - 2014 End of Commercialization (Materials)
  - 2022 End of Support

- HMI Software
  - 2014 End of Support for Windows XP (OS)

- PLC and HMI Programming
  - Difficult to Find Programmers
  - Increased Security Threats
Phase I – Pilot

- **Hardware**
  - Don’t Shut Down the Plant!
  - 1,000’s of Wires
  - Live Equipment
  - Engineering, Operations, and MIS

- **Software**
  - Keep the Old and the New
  - Add “High Performance”
The Future of SCADA

- **Hardware**
  - Over 70 PLCs Left to Cutover
  - Equipment Wiring/Re-Wiring

- **Software**
  - Expand on the New HMI

- **Communication**
  - New Ethernet Radio System
ITEM 14.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

LEAD TESTING IN SCHOOLS REPORT
LEAD TESTING IN LONG BEACH K-12 SCHOOLS

AB 746

Long Beach Board of Water Commissioners
September 20, 2018

Presented by
Cynthia Andrews-Tate
PRESENTATION OUTLINE

• History of LBWD LCR Monitoring
• AB 746 Mandate
• LBUSD Map
• AB 746 Schools vs. LBWD Responsibilities
• Reporting Responsibilities Under AB 746
• Corrective Actions Under AB 746
• Lead in School Fact Sheet
HISTORY OF LBWD LCR MONITORING RESULTS

LCR AL = 15 µg/L

Year
90th Percentile Lead, µg/L
0 2 4 6 8 10 12 14 16
Mandate K-12 Public Schools Lead Monitoring by PWS

January 1, 2018
Effective

October 13, 2017
Signed into Law

July 1, 2019
Complete
AB 746 MANDATE FOR PUBLIC SCHOOLS AND LBWD

Responsibilities Under AB 746

<table>
<thead>
<tr>
<th>Schools</th>
<th>LBWD</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Designate contact person to coordinate with LBWD</td>
<td>• Develop sampling plan</td>
</tr>
<tr>
<td>• Release results to parents, students and staff</td>
<td>• Sample (Tue - Fri, 1\textsuperscript{st} draw when school in sessions)</td>
</tr>
<tr>
<td>• Take corrective actions</td>
<td>• Report results to School and State</td>
</tr>
<tr>
<td>• Cover costs related to corrective actions</td>
<td>• Cover costs related to sampling, analyzing and reporting</td>
</tr>
</tbody>
</table>

AB 746 MANDATE FOR PUBLIC SCHOOLS AND LBWD
## Reporting Under AB 746 (LBWD)

<table>
<thead>
<tr>
<th>Lead Level (ppb)</th>
<th>Reporting Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>( \leq 15 )</td>
<td>Report in 10 days</td>
</tr>
<tr>
<td>( &gt;15 ) (Action Level)</td>
<td>Report in 2 days</td>
</tr>
</tbody>
</table>
Corrective Actions Under AB 746 (Schools)

- When Lead is >15 ppb
  - Shut Down Fountains\Faucets where Lead is >15 ppb
  - Provide other Source for Drinking Water
  - Take Corrective Actions:
    - Remove From Service
    - Change the Tap or Fountain
    - Clean Aerators
    - Flush the Fountain or Tap Before Use
Lead in School Fact Sheet - AB 746

• 41 LB schools tested in 2018
• 474 samples collected
• 0.6% samples above AL (>15 ppb)
  − 2 schools with levels above AL
• 5.7% of samples with detectable lead
  − 15 schools with levels above RDL (5.0 ppb)
  − Lead results ranged from 5.1 – 19.8 ppb
• 35 LB schools to be tested before July 1, 2019
THANK YOU - QUESTIONS?
ITEM 15.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

STATE CONSERVATION MANDATE UPDATE
State Conservation Mandate Update

Board of Water Commissioners
September 20, 2018
Presentation Outline

1. State Conservation Mandate Framework
2. State Conservation Mandate Timeline
3. LBWD Readiness
Conservation Mandate Framework

SB 606 & AB 1668: “Making Conservation a California Way of Life”

1. Use Water More Wisely
   - Efficiency standards → “Water Use Objective”

2. Eliminate Water Waste
   - Reduce distribution system water loss

3. Strengthen Local Drought Resilience
   - Urban Water Management Plan
   - Water Shortage Contingency Plan
   - Drought Risk Assessment
   - Annual supply/demand assessment

4. Improve Agricultural Efficiency
“Use Water More Wisely”

1. Residential Indoor
   • 55 GPCD → 52.5 GPCD → 50 GPCD

2. Residential Outdoor
   • Landscape area x Water for efficient irrigation

3. Dedicated Irrigation
   • Landscape area x Water for efficient irrigation

4. CII Performance Measures
   • Water use classification
   • Surveys for CII customers
   • Converting mixed to dedicated irrigation meters
Water Use Objective

Res. Indoor + Res. Outdoor + Dedicated Irrigation + Water Loss + Variances + Reuse Incentive = Urban Supplier Water Use Objective

Aggregate target for supplier
- NOT by component
- NOT at customer level
Conservation Mandate Timeline

- **June 2019**: Submit 1st Annual Supply/Demand Assessment
- **July 2020**: SWRCB to adopt Water Loss Standard (Report with 2020 UWMP)
- **July 2021**: Submit UWMP, WSCP, and DRA
- **June 2022**: SWRCB to adopt standards for res. outdoor, dedicated irrigation, CII performance measures, and variances
- **Nov 2023**: Submit 1st Annual Water Use Report
1. **Residential Indoor**
   - Geospatial analysis of rebate participation data
   - → DIME

2. **Residential Outdoor**
   - Geospatial analysis L2G program (CSULB and USC)
   - → L2G refresh, DIG

3. **Dedicated Irrigation**
   - Parcel measurements and CIMIS data
   - → Irrigation budgets calculated

4. **CII Performance Measures**
   - NAICS analysis
   - → Certified Blue Program
   - Technology in-lieu of dedicated irrigation meters = AMI
Board Meeting

September 11, 2018

12:00 p.m. – Boardroom

1. Call to Order
   (a) Invocation: Marco A. De Jeronimo, Assistant Engineer, Engineering Services Group
   (b) Pledge of Allegiance: Director Marsha Ramos, the City of Burbank

2. Roll Call

3. Determination of a Quorum

4. Opportunity for members of the public to address the Board on matters within the Board’s jurisdiction. (As required by Gov. Code § 54954.3(a))

5. OTHER MATTERS
   A. Approval of the Minutes of the Special Board Meeting for August 20, 2018 and Adjourned Regular Board Meeting for August 21, 2018 (Copies have been mailed to each Director) Any additions, corrections, or omissions
   B. Report on Directors’ events attended at Metropolitan expense for month of August
   C. Approve committee assignments
   D. Chairman’s Monthly Activity Report
   E. Presentation of 5-year Service Pin to Director Russell Lefevre

MWD Headquarters Building • 700 N. Alameda Street • Los Angeles, CA 90012

Meeting Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 a.m.</td>
<td>L&amp;C</td>
<td>Rm. 2-145</td>
</tr>
<tr>
<td>10:00 a.m.</td>
<td>C&amp;LR</td>
<td>Rm. 2-456</td>
</tr>
<tr>
<td>11:00 a.m.</td>
<td>RP&amp;AM</td>
<td>Rm. 2-145</td>
</tr>
<tr>
<td>12:00 p.m.</td>
<td>Board Meeting</td>
<td>Boardroom</td>
</tr>
</tbody>
</table>

REVISED: Date of Notice: September 6, 2018
6. DEPARTMENT HEADS' REPORTS
   A. General Manager's summary of activities for the month of August
   B. General Counsel’s summary of activities for the month of August
   C. General Auditor’s summary of activities for the month of August
   D. Ethics Officer’s summary of activities for the month of August

7. CONSENT CALENDAR ITEMS — ACTION

   7-1 Adopt CEQA determination and appropriate $970,000; and authorize: (1) preliminary investigations to remediate slopes at the Robert B. Diemer Water Treatment Plant; and (2) agreement with GEI Consultants in an amount not to exceed $485,000 to provide geotechnical support (Appropriation No. 15478). (E&O)

   Recommendation:

   Option #1:

   Adopt the CEQA determination that the proposed action is categorically exempt, and
   a. Appropriate $970,000;
   b. Authorize preliminary investigations to remediate slopes at the Diemer plant; and
   c. Authorize agreement with GEI Consultants in an amount not to exceed $485,000 to provide geotechnical support.

   7-2 Adopt CEQA determination and appropriate $870,000; and award $619,000 contract to Shipley Construction & Plumbing to renovate three houses at Iron Mountain Pumping Plant (Appropriation No. 15495). (E&O)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and

a. Appropriate $870,000; and
b. Award $619,000 contract to Shipley Construction & Plumbing to renovate three houses at Iron Mountain Pumping Plant.

7-3 Adopt CEQA determination and appropriate $970,000; and award $556,000 contract to American Construction and Supply, Inc. to install cathodic protection on the Orange County Feeder (Appropriation No. 15441). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and

a. Appropriate $970,000; and
b. Award $556,000 contract to American Construction and Supply, Inc. to install cathodic protection on the Orange County Feeder.

7-4 Adopt CEQA determination and award $420,000 contract to Southern Contracting Company for replacement of 15 kV circuit breakers at Hiram W. Wadsworth Pumping Plant (Appropriation No. 15467). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is exempt, and

Award $420,000 contract to Southern Contracting Company for replacement of circuit breakers at Hiram W. Wadsworth Pumping Plant.

7-5 Adopt CEQA determination and adopt resolution designating Metropolitan’s maximum contribution for medical benefits in order to comply with the current authorized Memoranda of Understanding. (OP&T)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project, and
Adopt resolution requiring Metropolitan to base its maximum medical contributions on the highest cost HMO plan between Los Angeles and Other Southern California regions, Anthem Traditional HMO, Los Angeles Region, for employees and annuitants under Government Code Section 22892(a).

7-6 Adopt CEQA determination and authorize increase of $100,000, to an amount not to exceed $200,000, for contract for legal services with Hanson Bridgett LLP to provide legal tax and benefits advice on deferred compensation plans, other employee benefits, and CalPERS matters. (L&C)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and
Authorize the General Counsel to increase the amount payable under its agreement with Hanson Bridgett LLP by $100,000 to an amount not to exceed $200,000.

7-7 Adopt CEQA determination and authorize granting a lease amendment to Greenland Farm, Inc., for agricultural purposes on Metropolitan fee-owned property in the City of Hemet, within the county of Riverside. (RP&AM)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and
Authorize granting a lease extension on a year-to-year basis through 2023 to Greenland Farm Inc., for farming purposes.

7-8 Adopt CEQA determination and authorize granting a lease amendment to the City of Los Alamitos, for a recreational city park referred to as Stansbury Park located in the City of Los Alamitos within Orange county. (RP&AM)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and

Authorize granting a year-to-year lease extension through the year 2048 to the City of Los Alamitos for a public park.

7-9  Adopt CEQA determination and authorize granting a permanent easement to the California Department of Transportation on Metropolitan owned property to facilitate widening State Route 62 across a siphon along the Colorado River Aqueduct within the county of Riverside. (RP&AM)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is exempt, and

Authorize granting a permanent easement to Caltrans to facilitate widening State Route 62 across one of the siphons along the Colorado River Aqueduct.

END OF CONSENT CALENDAR

8. OTHER BOARD ITEMS — ACTION

8-1  Adopt CEQA determination and appropriate $6.68 million; and authorize upgrades to three hydroelectric power plants (Appropriation No. 15458). (E&O)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is categorically exempt, and

a. Appropriate $6.68 million;
b. Authorize design and construction to rehabilitate Red Mountain Power Plant;
c. Authorize final design and procurement to rehabilitate Foothill Power Plant; and
d. Authorize completion activities for the modification of Yorba Linda Power Plant.

8-2 Adopt CEQA determination and appropriate $2.78 million; and award $866,600 contract to J. F. Shea Construction, Inc. to replace service connection valves on the Rialto Pipeline (Appropriation No. 15480). (E&O)

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is exempt, and

a. Appropriate $2.78 million; and
b. Award $866,600 contract to J. F. Shea Construction, Inc. to replace valves for Service Connections CB-12 and CB-16 on the Rialto Pipeline.

8-3 Adopt CEQA determination and adopt Metropolitan's Proposed Facilities Naming Policies and Procedures

Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and

Adopt the proposed Metropolitan Facilities Naming Policy Principle as a Board-Adopted Policy Principle.

8-4 Adopt CEQA determination and adopt reporting structure for Metropolitan’s Ethics Officer. (A&E)
Recommendation:

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project, and

Direct that the reporting relationship of the Ethics Office to the Board prospectively shall be done through the Audit and Ethics Committee.

**Added** 8-5  
Adopt CEQA determination, approve the job description for the Ethics Officer and approve the hiring process for the Ethics Officer. (A&E)

**Recommendation:**

Option #1:

Adopt the CEQA determination that the proposed action is not defined as a project, and

Approve the job description for the Ethics Officer, and approve the hiring process described above.

9. BOARD INFORMATION ITEMS

9-1  Update on Conservation Program

9-2  Information on the Antelope Valley – East Kern Water Agency High Desert Water Bank Program. (WP&S)


9-4  Review of Local Resources Program Target. (WP&S)
10. OTHER MATTERS

10-1 Discussion of Department Head Evaluation Process Guidelines and Department Head Evaluation Presentations

[Public employee's performance evaluations; General Manager, General Counsel, and General Auditor, to be heard in closed session pursuant to Gov. Code 54957(b)]

11. BROWN ACT TRAINING

12. FOLLOW-UP ITEMS

13. FUTURE AGENDA ITEMS

14. ADJOURNMENT

NOTE: Each agenda item with a committee designation will be considered and a recommendation may be made by one or more committees prior to consideration and final action by the full Board of Directors. The committee designation appears in parentheses at the end of the description of the agenda item e.g., (E&O, F&I). Committee agendas may be obtained from the Board Executive Secretary.

Writings relating to open session agenda items distributed to Directors less than 72 hours prior to a regular meeting are available for public inspection at Metropolitan's Headquarters Building and on Metropolitan's Web site http://www.mwdh2o.com.

Requests for a disability related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Executive Secretary in advance of the meeting to ensure availability of the requested service or accommodation.
ITEM 17.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
AGENDA
BOARD OF WATER COMMISSIONERS
REGULAR MEETING OF THURSDAY, SEPTEMBER 6, 2018, AT 9:00 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

1. Pledge of Allegiance

2. Public Comment:

   GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER
   COMMISSIONERS CONCERNING NON-AGENDA ITEMS AND OTHER ITEMS
   WITHIN THE JURISDICTION OF THE BOARD. EACH PERSON WILL BE
   ALLOWED FIVE MINUTES UNLESS EXTENDED BY THE BOARD.

3. Finance Standing Committee Report of September 6, 2018
   • Commissioner Harry Saltzgaver, Chair

4. President’s Report
   • Robert Shannon, President, Board of Water Commissioners

5. General Manager’s Report
   • Christopher J. Garner, General Manager

6. Verbal Presentation regarding Climate Adaptation and Action Plan
   • Alison Spindler, AICP - Planner & Budget Specialist

7. Overview of business outreach efforts for contracts
   • Sandy Tsang-Palmer, City of Long Beach Purchasing and Business Services
     Manager

8. Authorization to attend the Long Beach Area Chamber of Commerce 2018 State of
   the County Luncheon on Thursday, November 29, 2018 at the Long Beach
   Convention Center
   • Christopher J Garner, General Manager

9. Approval of sponsorship of the Historical Society of Long Beach 23rd Annual
   Cemetery Tour in the amount of $1,500
   • Christopher J Garner

10. Authorize the General Manager to Execute an Agreement with Stantec to provide
    professional services to develop a West Long Beach Advanced Treated Recycled
    Water Feasibility Study in an amount not-to-exceed $245,396
    • B. Anatole Falagan, Assistant General Manager
11. **Adopt a Support Position, consistent with Board Adopted Legislative Platform, on Proposition 3: Authorizes Bonds to Fund Projects for Water Supply and Quality, Watershed, Fish, Wildlife, Water Conveyance, and Groundwater Sustainability and Storage**  
   - Lana Haddad, Director of Government & Public Affairs

12. **Adopt Specifications WD-07-17 for the Alamitos Tank No. 4 Rehabilitation Project (EO-3390) and authorize the General Manager to sign a construction contract with Paso Robles Tank, Inc., in the amount of $1,692,020.50**  
   - Sean Crumby, Deputy General Manager of Engineering

13. **Authorize the General Manager to enter into a long-term Power Purchase Agreement (PPA) with PFMG Solar to provide electricity to Admin/OSC complex at an electrical rate of $0.1644 per kWh for a period not to exceed 25 years**  
   - Tai Tseng, Assistant General Manager - Operations

14. **Approval of sponsorship of the Partners of Parks “Sowing the Seeds of Summer 2019” event to be held September 29, 2018 at the El Dorado Nature Center**  
   - Christopher J. Garner, General Manager

15. **Consider Standing Committee Referrals**  
   - Robert Shannon, President, Board of Water Commissioners

16. **New Business**

17. **Closed session pursuant to Section 54957.6 of the California Government Code regarding labor negotiations with represented employees: City Designated representative: Christopher Garner; Employee Organizations: (1) Long Beach Supervisors Employees Association, (2) International Association of Machinists and Aerospace Workers, and (3) Association of Long Beach Employees.**

18. **Adjournment to the next Regular Meeting, Thursday, September 20, 2018, at 9:00 a.m. in the Board Room at 1800 E. Wardlow Road, Long Beach, CA**

Written materials relating to any item on the Commission’s agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807. If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.
If language translation of the Commission agenda and minutes for non-English speaking persons is desired please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Commission meeting.

Kung ang pagsasalin-wika ng adyenda at mga katitikan ng Komisyon ay hinahangad para sa mga taong hindi nagsasalita ng Ingles mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 pitong oras bago ang pulong ng Komisyon.

Si desea obtener la traducción lingüística de la agenda y las actas de la Comisión para las personas que no hablan inglés, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión.
ITEM 3.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

SEPTEMBER 6, 2018
FINANCE COMMITTEE REPORT
ITEM 4.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 4.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

PRESIDENT’S REPORT
ITEM 5.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

GENERAL MANAGER’S REPORT
American Association of University Women (AAUW)

2018 Strategic Plan

**Mission:**
To advance gender equity for women and girls through research, education, and advocacy.

**Vision:**
Equity for all.

**Values:**

---

**AAUW National Statistics**

- Investing in Women Trailblazers
  - $3.9 MILLION invested each year in women's graduate education
  - $115 MILLION awarded to women since 1881
  - 43% of fellowships and grants support women in STEM fields
American Association of University Women (AAUW)

Strategic Focus Areas

Education & Training
Addressing the barriers and implicit biases that hinder advancement of women.

Economic Security
Ensuring livelihoods for women.

Leadership
Closing the gender gap in leadership opportunities.

Governance & Sustainability
Ensuring the strength, relevance, and viability of AAUW well into the future.
AAUW Long Beach Branch

• Established 1911
• 125+ members
AAUW Long Beach Projects

- Tech Trek, 1998
- STEM Career Conference, 2003
- College Scholarships, 2014
- AAUW Work Smart, 2016
AAUW Work Smart Workshop in LB

• Designed for women who are already in the workforce
• Negotiation skills
  – Pay & benefits
  – Raise or promotion
  – Applying for a new job
• Over 260 attended 20 sponsored workshops
AAUW LB STEM Career Conference

• February 22, 2019
• 250 girls at LBCC LAC
• 7 Title I LB middle schools
AAUW LB STEM Conference Program

• 4:30pm – 7:00pm
• Keynote speaker
• 10 Workshops led by female STEM professionals
• Each girl chooses 2 hands-on workshops to attend
AAUW LB STEM Conference Outcomes

• 2230 attendees since 2003
• Effectiveness research with LBUSD & CSULB
AAUW LB STEM Career Conference

Your support equals opportunity.

Thank you for showing how strong and powerful girls are and the people who were showing me their career -for everyone.

-Melanie C. 🌸

Thank you so much for all this inspiration.

It made me feel so proud to be a NERD!
ITEM 6.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING CLIMATE ADAPTATION AND ACTION PLAN
City of Long Beach
Climate Action and Adaptation Plan (CAAP)

Alison Spindler
Planner, Advance Planning Division
Long Beach Development Services

September 6, 2018
Presentation to the Water Commission
What is Climate Action?

*Climate Action is...*

...about reducing the impact we (people) have on the climate system by reducing future carbon emissions. *(for example, driving less)*

*Image Credit: Press Telegram*
What is Climate Adaptation?

*Climate Adaptation is...*

...about adjusting our behaviors, systems, infrastructure, to reduce the impact climate change has on us. *(for example, flood proof a house)*
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A plan to:

- Reduce greenhouse gas (GHG) emissions
- Prepare the community for the impacts of climate change
- Make our communities safer and healthier
- Enhance economic vitality in Long Beach

How?

- CAAP will propose a framework for creating or updating policies, programs, practices and incentives to reduce the City's GHG footprint, and ensure the community and physical assets are better protected from the impacts of climate change.
General Plan Update:

- Land Use Element Update
  - Climate Action and Adaptation Plan (CAAP)
  - Uptown Planning Land Use and Neighborhood Strategy (UPLAN)
- Urban Design Element (new element)
- Housing Element (led by Housing and Neighborhood Services Bureau)
- Noise Element
- Mobility Element (livability, partnership with Public Works and Health)
  - Bike Master Plan
  - Pedestrian Plan/CX3
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- Meet applicable local, state, and other requirements:
  - AB 32 / SB 32 (aka California Global Warming Solutions Act of 2006)
    • Requires California to reduce its GHG emissions to 1990 levels by 2020 — a reduction of approximately 15 percent below emissions expected under a “business as usual” scenario.
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    • General Plan Safety Element Update must address climate adaptation and resiliency strategies applicable to that city or county.
  - CEQA
  - Global Covenant of Mayors
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Not to be confused with....

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CAAP Development Process

- Technical Work Nearly Complete:
  - Vulnerability assessment of critical assets
  - GHC forecast and reductions target setting

- Preliminary outreach conducted:
  - Scientific, Business and Community Working Groups
  - City departments
  - First Public Open House and Sustainability Resource Fair took place June 2 at MLK Jr. Park- thanks to LB Water for participating!
GHG Emissions Profile

What is the City’s emissions profile?

Total Long Beach Communitywide Emissions: 3.3 Million Metric Tons of Carbon Dioxide Equivalent

- Transportation: 54%
- Building Energy: 40%
- Waste: 5%

- Passenger vehicles & freight trucks: 36%
- Waterborne vehicles (including Port activities): 12%
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- Industrial Fuel Consumption: 9%
- Wastewater: 0.1%
- Solid Waste: 5%
GHG Emissions: Where Else Does Water Fit In?

- All in how it is calculated
  - GHG emissions from imported water not assigned to LBC but still part of our state obligations to reduce GHGs
- Reducing GHGs helps make it possible to reduce water usage
  - Conversely, as heat increases, need for water increases
- Co-benefits: reducing water can reduce emissions too
  - Residential Example: lawn to garden - grass or plants that need a lot of water also use petroleum-based products
  - Business Example: certain manufacturing uses a lot of water, uses a lot of electricity as well

Table ES-1. Recommended revised water-energy proxies

<table>
<thead>
<tr>
<th></th>
<th>Indoor Uses</th>
<th>Outdoor Uses</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>Northern California</td>
<td>Southern California</td>
</tr>
<tr>
<td>Water Supply and Conveyance</td>
<td>2,117 kWh/MG</td>
<td>9,727 kWh/MG</td>
</tr>
<tr>
<td>Water Treatment</td>
<td>111 kWh/MG</td>
<td>111 kWh/MG</td>
</tr>
<tr>
<td>Water Distribution</td>
<td>1,272 kWh/MG</td>
<td>1,272 kWh/MG</td>
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<tr>
<td>Wastewater Treatment</td>
<td>1,911 kWh/MG</td>
<td>1,911 kWh/MG</td>
</tr>
<tr>
<td>Regional Total</td>
<td>5,411 kWh/MG</td>
<td>13,022 kWh/MG</td>
</tr>
</tbody>
</table>

Source: California Energy Commission
Public Interest Energy Research Program
CAAP Vulnerability Assessment focused on Public and Public Serving Assets:

- City Buildings and Facilities
- Parks & Open Space
- Transportation Assets
- Energy Assets
- Stormwater Assets
- Wastewater Assets
- Potable Water Assets
- Public Health
Social Vulnerability to Climate Change
Vulnerability Assessment: Riverine Flooding
Vulnerability Assessment: Sea Level Rise 2030

Map of Long Beach 2030 Sea Level Rise Vulnerability: King Tide & 100-Year Storm Surge

City of Long Beach

- King Tide
- 100-Year Storm Surge

Long Beach Harbor

2030 Sea Level Rise Vulnerability

Diagrams and maps showing the areas most vulnerable to sea level rise and storm surge in Long Beach, California. The map highlights key infrastructure areas that may be affected, including port facilities and coastal areas.

City of Long Beach

CITY OF LONG BEACH

LONG BEACH DEVELOPMENT SERVICES
BUILDING A BETTER LONG BEACH
Vulnerability Assessment: Sea Level Rise 2100 (mid-range)
Vulnerability Assessment: Sea Level Rise 2100 (high-range)
Adaptation Planning: Water Infrastructure

Vulnerability Assessment: Potable Assets Exposed to Sea Level Rise and 100-year Storm Surge

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<tr>
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<td>1</td>
<td>1</td>
<td>3</td>
<td>4</td>
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<tr>
<td><strong>Potable Facilities (Number)</strong></td>
<td>0</td>
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<td>1</td>
<td>0</td>
</tr>
<tr>
<td><strong>Potable Mains (Miles)</strong></td>
<td>25</td>
<td>21</td>
<td>42</td>
<td>56</td>
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<tr>
<td><strong>Hydrants (Number)</strong></td>
<td>213</td>
<td>204</td>
<td>359</td>
<td>493</td>
</tr>
</tbody>
</table>
## Adaptation Planning: Water Infrastructure

### Sensitivity and Adaptive Capacity of Potable Water Assets

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## Vulnerability Assessment: Wastewater Assets in LBC at Risk to Sea Level Rise

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<tr>
<td><strong>Pump Stations</strong></td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>(number)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Force Mains</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(miles)</td>
<td>&lt;1</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
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<tr>
<td><strong>Gravity Mains</strong></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>(miles)</td>
<td>&lt;1</td>
<td>24</td>
<td>18</td>
<td>40</td>
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Sensitivity and Adaptive Capacity of Wastewater Assets*

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<td><strong>Sensitivity</strong></td>
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<td>Cannot operate if inundated. Electrical components particularly sensitive. Access would be impaired.</td>
<td>Moderate</td>
<td>Storm damage could temporarily impair functionality, particularly electrical components. Access impaired temporarily.</td>
</tr>
<tr>
<td><strong>Adaptive Capacity</strong></td>
<td>Low</td>
<td>Elevating the surrounding ground to allow for access could be expensive and challenging.</td>
<td>Moderate</td>
<td>Elevating electrical components and providing redundant power source could allow for continued operation during temporary flooding. Flood proofing measures could be used.</td>
</tr>
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</table>

*Excludes treatment plants as the Long Beach Reclamation Plant is not located within the areas anticipated to be exposed by the levels of SLR and storm surge studied and the Joint Water Pollution Control Plant is located outside of Long Beach and therefore out of the scope of this study.
CAAP Development Process: Looking Ahead

- Complete technical analysis
- Broad public engagement (public events, tree plantings, extreme heat readiness, sea level rise panels)
- Targeted stakeholder engagement (including business outreach - how to craft regulations, support businesses to be more eco-friendly)
- Draft plan, Community feedback, Adoption process
Learn More, Get Involved, Share Ideas!

- Collaboration with Long Beach Water
- Anyone who lives, works and plays in Long Beach is invited to:
  - Take the CAAP Survey to provide your input!
  - Join us for events and activities throughout the next year
  - Visit our website for more info on the project, including videos, the vulnerability assessment maps and upcoming events: [http://www.lbds.info/climateactionlb](http://www.lbds.info/climateactionlb)
  - #ClimateActionLB
  - Sign-up for alerts via LinkLB (see website)
SMALL CHANGE BIG IMPACT
City of Long Beach
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- Energy Assets
- Stormwater Assets
- Wastewater Assets
- Potable Water Assets
- Public Health
Vulnerability Assessment: Extreme Heat

This map shows hot spots in Long Beach that are susceptible to temperatures higher than the mean daily temperature during a given month under current conditions. The map shows areas that are likely to experience extreme temperatures and where outreach efforts should focus.
Vulnerability Assessment: Riverine Flooding
Vulnerability Assessment: Sea Level Rise 2030
Vulnerability Assessment: Sea Level Rise 2030

These maps depict areas adjacent to the waterfront that may be exposed to flooding under worst-case future coastal flooding scenarios. The following scenarios incorporate a range of sea level rise and storm surge conditions:

1. Sea level rise of one meter (3.3 ft) in addition to the 100-year storm surge.
2. Sea level rise of two meters (6.5 ft) in addition to the 100-year storm surge.

The 100-year storm surge is calculated based on the annual chance of exceeding the storm surge. The storm surge, in turn, is based on the annual chance of exceeding the 100-year storm surge.*

*For additional details and science behind the projections, refer to the City of Long Beach's Sea Level Rise Vulnerability Assessment. The City of Long Beach is pleased to present this data and has compiled a user guide to assist residents in understanding the information presented in these maps.
Vulnerability Assessment: Sea Level Rise 2100 (mid-range)
Vulnerability Assessment: Sea Level Rise 2100 (high-range)
## Adaptation Planning: Water Infrastructure

### Vulnerability Assessment: Potable Assets Exposed to Sea Level Rise and 100-year Storm Surge

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<td>0</td>
<td>1</td>
<td>1</td>
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<td>1</td>
<td>25</td>
<td>21</td>
<td>21</td>
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*SLR: Sea Level Rise*
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<td>2</td>
<td>8</td>
</tr>
<tr>
<td><strong>Force Mains (miles)</strong></td>
<td>&lt;1</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><strong>Gravity Mains (miles)</strong></td>
<td>&lt;1</td>
<td>24</td>
<td>18</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>4</td>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>4</td>
<td>0</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>2</td>
<td>2</td>
<td>20</td>
</tr>
</tbody>
</table>
### Sensitivity and Adaptive Capacity of Wastewater Assets*

<table>
<thead>
<tr>
<th></th>
<th>Sea Level Rise (Permanent Inundation)</th>
<th>← Rationale</th>
<th>Sea Level Rise + Storm Surge (Temporary Flooding)</th>
<th>← Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sensitivity</strong></td>
<td></td>
<td>Cannot operate if inundated. Electrical components particularly sensitive. Access would be impaired.</td>
<td>Moderate</td>
<td>Storm damage could temporarily impair functionality, particularly electrical components. Access impaired temporarily.</td>
</tr>
<tr>
<td><strong>Adaptive Capacity</strong></td>
<td></td>
<td>Elevating the surrounding ground to allow for access could be expensive and challenging.</td>
<td>Moderate</td>
<td>Elevating electrical components and providing redundant power source could allow for continued operation during temporary flooding. Flood proofing measures could be used.</td>
</tr>
</tbody>
</table>

*Excludes treatment plants as the Long Beach Reclamation Plant is not located within the areas anticipated to be exposed by the levels of SLR and storm surge studied and the Joint Water Pollution Control Plant is located outside of Long Beach and therefore out of the scope of this study.
CAAP Development Process: Looking Ahead

- Complete technical analysis
- Broad public engagement (public events, tree plantings, extreme heat readiness, sea level rise panels)
- Targeted stakeholder engagement (including business outreach, how to craft regulations, support businesses to be more eco-friendly)
- Draft plan, Community feedback, Adoption process
Learn More, Get Involved, Share Ideas!

- Collaboration with Long Beach Water

- Anyone who lives, works and plays in Long Beach is invited to:
  - Take the CAAP Survey to provide your input!
  - Join us for events and activities throughout the next year
  - Visit our website for more info on the project, including videos, the vulnerability assessment maps and upcoming events: http://www.lbds.info/climateactionlb
  - #ClimateActionLB
  - Sign-up for alerts via LinkLB (see website)
SMALL CHANGE BIG IMPACT
ITEM 7.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

BUSINESS OUTREACH EFFORTS FOR CONTRACTS
BUSINESS OUTREACH IN CITY PROCUREMENT
Regulatory environment

- Required to award to lowest responsive and responsible bidder or “best value” proposer.
- Federal funding may require the City or its contractors to comply with particular requirements.
- California law prohibits both discrimination and preferential treatment on the basis of race or gender.
Local business outreach supports diversity

- Long Beach has a diverse business community.
- Per latest census data:
  - 41.9% of Long Beach businesses are women-owned.
  - 57.5% of Long Beach businesses are minority-owned.
  - 7.3% of Long Beach businesses are veteran-owned.
Critical improvements to online bid management system better categorize goods/services a business provides, and City's procurement needs.

Registered businesses receive electronic notifications for relevant procurements.

Allows City to best match local businesses with City procurement opportunities.

This is in addition to in-person targeted outreach at local business events.
Growing local business database

- Partnership with Economic Development to develop and distribute outreach materials to recruit local businesses to register/update.

- Materials will be distributed to/via:
  - City public counters
  - Local business districts
  - Long Beach Chamber of Commerce (Women’s Business Council and Small Business Council)
  - Regional Hispanic Chamber of Commerce
  - Black Business Association
Plans for continued improvements

- Support expanded use of the improved business database to make outreach to local businesses easier on less formal procurements.
- Continued partnership with Economic Development to explore digital and social media outreach and hosted presentations.
- Improved branding and promotion of the City’s procurement processes as a business opportunity for local businesses.
BUSINESS OUTREACH IN CITY PROCUREMENT
Board of Water Commissioners  
September 6, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Authorization to attend the Long Beach Area Chamber of Commerce 2018 State of the County Luncheon on Thursday, November 29, 2018, at the Long Beach Convention Center.

Executive Summary:
This event will include an address by Los Angeles County Supervisor, Janice Hahn. Supervisor Hahn represents the Los Angeles County Fourth District, which includes the City of Long Beach. The requested sponsorship level is Bronze - $1,495.00 (table of 10).

Previous Board sponsorships for this event: $1,790 (2016); $1,495 (2017).

Staff Recommendation:
Determine that an invitation to participate in the Long Beach Area Chamber of Commerce 2018 State of County Luncheon on November 29, 2018, at the Long Beach Convention Center, Grand Ballroom complies with Board Policy Statement 1998-31, Expenditure of Water Department Funds for Board Approved Long Beach Related Community and Civic Activities, and approve a sponsorship at a level determined by the Board.

Fiscal Impact:
Funds for Long Beach related community activities are included in the Fiscal Year 2018-2019 annual budget.

Christopher J. Garner  
General Manager

Date 8/21/18

Attachments
Long Beach Water Department Program Sponsorship Application

Cover Page

Submitted (date) 08-14-2018       mail electronic

Event Date 11-29-2018       Time 11:30 am - 1:30 pm

Location Long Beach Convention & Entertainment Center

Grand Ballroom
300 E. Ocean Blvd Long Beach CA 90802

Title of Program/Event 2018 State of the County Luncheon

featuring Supervisor, John Chaban

Please attach previous or current promotional and sponsorship materials to this application.

APPLICANT ORGANIZATION

Name of Organization Long Beach Area Chamber of Commerce

Mailing Address World Trade Center, Suite 1658 Long Beach CA 90801

Phone 562-437-8833       Federal/Tax ID 95-09 44550

Check one:

☑ Not-for-profit Organization

☐ Government Agency

☐ Public Organization

☐ Sole proprietor:
Owner's Full Name

Address

Tax EIN/SSN

Representative of Applicant Organization

Name Randy Gordon       Title President/CEO

Email mgordon@lbchamber.org       Cell 562-843-0945

Please answer the following questions/sections on a separate sheet of paper; attach additional sheets as needed.

**PROGRAM INFORMATION**

Please answer the following questions; attach additional sheets as needed.

1. Target market for the program/event?
   
   Long Beach & Los Angeles, CA

2. Purpose of program/event?
   
   To provide update on the 4th Supervisory District
   Los Angeles County as related to business, infrastructure
   transportation and programs.

3. Sponsorship request?
   
   $1,495.00

**Eligibility**

Please explain how the program promotes one of the LBWD goals; attach additional sheets as needed.

1. Raising public awareness on issues related to the LBWD’s mission and core business of the department?
   
   Supervisor Dahan will speak about various topics which may include infrastructure throughout the 4th District.

2. Contributing to a sustainable Long Beach by promoting conservation?
   
   Supervisor Dahan has been a proponent of promoting conservation.

3. Promoting collaboration with regional partners as part of fulfilling the LBWD’s vision?
   
   Over 1200 attendees are expected from 4th District which includes 27 cities in Los Angeles County.

**Applicant Signature**

The person signing this application certifies that the information presented on this application is correct and complete. This signature is also an affirmative statement that the program or event is not a political fundraising event and is non-partisan.

Signature: [Signature]

Date: 08-14-2018

Please mail or deliver your completed application to:
Long Beach Water Department
Attention: Executive Assistant to the Board, 4th Floor
1800 E. Wardlow Rd.
Long Beach, CA 90807

Additional inquiries or information needed? Please call: 562-570-2302
2018 State Of The County
A Regional Update on the 4th District Communities
Thursday, November 29, 2018 @ 11:30am

Delivered By:
Janice Hahn
Supervisor, County of Los Angeles
Fourth District

After serving on the Los Angeles City Council and in the US House of Representatives, Janice Hahn is continuing her lifelong mission of lifting up working families on the Los Angeles County Board of Supervisors.

Following in the footsteps of her father, the legendary LA County Supervisor Kenny Hahn, Janice has proven herself to be a powerful and dynamic force for good on the Board of Supervisors where she has used her new role not only to improve the quality of life for all LA County residents but also to strengthen the social safety net for our most vulnerable neighbors.

Now nearing the end of her second year in office, Supervisor Hahn continues to invest in public resources which benefit her constituents the most. Over the past two years, she has invested in building affordable housing, improving public parks, renovating local libraries, and more all the while securing the funding necessary to build multiple multi-ambitious transportation projects which will ease congestion and revolutionize the way we get around.

Supervisor Hahn has harnessed the County’s resources to fund services which help residents in crisis get back on their feet. In the past two years, she has worked tirelessly to end the homelessness crisis, provide legal representation to undocumented residents, and establish a program to locate older adults living with Alzheimer’s, Autism, and dementia who have gone missing as a result of “wandering.”

Sponsorship Opportunities:

- Diamond..................$5,000
- Platinum.................$3,795
- Gold.....................$2,795
- Silver....................$1,995
- Bronze...................$1,495
- Non-Profit..............$1,095
- Individual...............$75

- Full-Page Ad............$1,195
- Half-Page Ad...........$795

Location:
Long Beach Convention Center, Grand Ballroom
300 E. Ocean Blvd. Long Beach, CA 90802

Register Online:
http://www.lbchamber.com/CAVL

Contact:
Amanda Donahue (562) 432-7830
or adonahue@lbchamber.com

Get Informed, Get Involved. www.lbchamber.com
BOARD OF WATER COMMISSIONERS

Policy Statement 1998-31

RE: EXPENDITURE OF WATER DEPARTMENT FUNDS FOR BOARD APPROVED LONG BEACH RELATED COMMUNITY AND CIVIC ACTIVITIES

As provided by the Long Beach City Charter, the Board of Water Commissioners may, in its discretion authorize the expenditure of Water Department funds for the promotion of community and civic activities. That discretion is limited, however, to those activities which have a clear water, water conservation or sewer related purpose.

Requests shall be considered on a case by case basis; special consideration will be given to those activities which promote the following goals:

1. Water education
2. Sound water policy
3. Water conservation
4. The role of the Department in the Long Beach community.

Consideration will also be given to those activities which educate and also advance the operations of the Sewer division.

At the beginning of each fiscal year, a budget shall be set for the expenditures of these funds. Each expenditure shall require the prior approval of the Board.

ADOPTED: September 24, 1998
AMENDED: August 26, 1999
AMENDED: May 24, 2001
AMENDED: April 17, 2003
AMENDED: March 18, 2004
AMENDED: November 17, 2016
# Board of Water Commissioners

## FY 18 SPONSORSHIPS

### CATEGORY 1: Interdepartmental Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2018<em>6596-1</em></td>
<td>L B CONVENTION &amp; ENTERNMNT CTR</td>
</tr>
<tr>
<td>$5,000</td>
<td>MAYOR'S INAUGURATION</td>
<td>MAYOR'S FUND FOR EDUCATION</td>
</tr>
</tbody>
</table>

**$20,000 TOTAL CATEGORY 1: Interdepartmental Events**

### CATEGORY 2: Community Outreach Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,495</td>
<td>WATER DEPT-LUNCHEON 11/16/17 ACT 3870</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$3,500</td>
<td>WATER DEPT-SPONSORSHIP GOODWILL POWER 2/28/18</td>
<td>GOODWILL SERVING THE PEOPLE OF</td>
</tr>
<tr>
<td>$400</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$750</td>
<td>WATER DEPT-POLICE &amp; FIRE LUNCHEON 3/27/18</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$1,500</td>
<td>WATER DEPT-SPONSORSHIP FOR CA WTR POLICY CONF</td>
<td>SACRAMENTO RIVER WATERSHED PROGRAM</td>
</tr>
<tr>
<td>$2,500</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/8/18</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
</tr>
<tr>
<td>$1,800</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 5/31/18</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$2,000</td>
<td>SPONSORSHIP 2018 BLUE WHALE GALA AWARDS 06/09/18</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT- MEALS ON WHEELS SPONSORSHIP 7/21/18</td>
<td>MEALS ON WHEELS OF LONG BEACH INC</td>
</tr>
</tbody>
</table>

**$14,945 TOTAL CATEGORY 2: Community Outreach Events**

### CATEGORY 3: Ads for Events

<table>
<thead>
<tr>
<th>Actuals</th>
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<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$200</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 4/14/18</td>
<td>LONG BEACH SECTION NATIONAL COUNCIL OF</td>
</tr>
<tr>
<td>$1,500</td>
<td>SPONSORSHIP MUSICA ANJELICA GALA AD (INVOICED)</td>
<td>MUSICA ANJELICA</td>
</tr>
</tbody>
</table>

**$1,700 TOTAL CATEGORY 3: Ads for Events**

### CATEGORY 4: Ad & Individual Tickets for Events

<table>
<thead>
<tr>
<th>Actuals</th>
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<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000</td>
<td>WATER DEPT- SPONSORSHIP FOR APRIL 25TH EVENT</td>
<td>WOMENSHelter OF LONG BEACH</td>
</tr>
<tr>
<td>$1,375</td>
<td>LBCC 90TH ANNIVERSARY CELEBRATION GALA (INVOICED)</td>
<td>LONG BEACH CITY COLLEGE</td>
</tr>
<tr>
<td>$720</td>
<td>ICT ENCORE 2018 EVENT</td>
<td>INTERNATIONAL CITY THEATRE</td>
</tr>
</tbody>
</table>

**$3,095 TOTAL CATEGORY 4: Ad & Individual Tickets for Events**
$ 39,740 TOTAL SPONSORSHIPS YTD
$ 30,000 FY 18 SPONSORSHIP BUDGET
132.5% (as of July 26th, 75% of the year)
BOARD OF WATER COMMISSIONERS

FY 17 SPONSORSHIPS

**CATEGORY 1: Interdepartmental Events**

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2017<em>998317-0221</em></td>
<td>L B CONVENTION&amp;ENTERTNMNT CTR</td>
</tr>
<tr>
<td>$ 15,000</td>
<td><strong>TOTAL CATEGORY 1: Interdepartmental Events</strong></td>
<td></td>
</tr>
</tbody>
</table>

**CATEGORY 2: Community Outreach Events**

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 500</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP LEADERSHIP AWARDS DINNER 12/8/16</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 7/9/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/9/17</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 1,250</td>
<td>WATER DEPT-SPONSORSHIP CONF 7/17-6/30/18</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR OCT 28, 2017</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP AWARDS EVENT 09/29/17</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 2/8-2/10/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 8/17/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 2,500</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 6/1/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 3,000</td>
<td>WATER DEPT-SPONSORSHIP 5/6/17 ORCHESTRA GALA</td>
<td>MUSICA ANGELICA</td>
</tr>
<tr>
<td>$ 5,000</td>
<td>WATER DEPT - SPONSORSHIP CONSERVATION AWARDS 2017</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$ 21,250</td>
<td><strong>TOTAL CATEGORY 2: Community Outreach Events</strong></td>
<td></td>
</tr>
</tbody>
</table>

**$ 36,250 TOTAL SPONSORSHIPS YTD**

**$ 30,000 FY 17 SPONSORSHIP BUDGET**

120.8% (as of May 24, 67% of the year)

MOVED TO GOVT PUBLIC AFFAIRS

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 25,000</td>
<td>WATERSHED EXHIBIT SPONSORSHIP PAYMENT 1 OF 2</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
</tbody>
</table>
## Board of Commissioners

**FY 16 Sponsorship Budget:** $30,000

<table>
<thead>
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<th>Actuals</th>
<th>Description</th>
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<tbody>
<tr>
<td>$1,000</td>
<td>WATER DEPT<em>SPONSORSHIP-10/01/16</em>FIL-AM ASSOCIATION</td>
<td>FEDERATION OF FILIPINO AMERICAN</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR 10/29/16</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td>$1,250</td>
<td>WATER DEPT-SPONSORSHIP 7/1/16-6/30/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$1,395</td>
<td>WATER DEPT-LUNCHEON<em>33298</em> LBACC 11/19/15</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$1,790</td>
<td>WATER DEPT-LUNCHEON 10/19/16 LBACC</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$2,500</td>
<td>WATER DEPT<em>001</em>SPONSOR INNOVATE H2O CONF 11/15/16</td>
<td>CORO SOUTHERN CALIFORNIA</td>
</tr>
<tr>
<td>$5,000</td>
<td>WATER DEPT-SPONSORSHIP CONSERVATION AWARDS 6/11/16</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$5,138</td>
<td>WATER DEPT-MEMBERSHIP DUES 2016</td>
<td>WATER EDUCATION FOUNDATION</td>
</tr>
<tr>
<td>$15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2016<em>0048568</em></td>
<td>LONG BEACH CONVENTION &amp; ENTERTAINMENT CTR</td>
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</table>

**FY 16 Actuals:** $34,073

**% of Budget:** 113.6%
Board of Water Commissioners  
September 6, 2018 Board Meeting

**Subject:**
Approval of sponsorship of the Historical Society of Long Beach 23rd Annual Cemetery Tour in the amount of $1,500.

**Executive Summary:**
As part of the Historical Society of Long Beach 23rd Annual Cemetery Tour of the Long Beach Municipal and Sunnyside Cemeteries to be held October 27, 2018, the Historical Society plans to celebrate the Long Beach Water Department’s past involvement in the city’s rich history and position as a vibrant place to live and work.

This year, the Cemetery Tour – as one of the graveside featured characters – will present Long Beach Water Engineer, Arthur Branson. Branson’s story will be told in the first person by a costumed actor performing a seven-minute script. Each presentation is performed three times each hour between 9am and 3pm. Based on previous years, more than 1,000 people will hear Mr. Branson’s story. In addition to the costumed actor, each presentation is introduced by an emcee who will talk about the Water Department’s focus on sustainability and conservation.

The Board of Water Commissioners sponsored the HSLB Annual Cemetery Tour in 2016 in the amount of $1,000 and in 2017 for $1,500.

**Staff Recommendation**
Determine that an invitation to sponsor the Historical Society of Long Beach 23rd Annual Cemetery Tour complies with Board Policy Statement 1998-31, Expenditure of Water Department Funds for Board Approved Long Beach Related Community and Civic Activities, and approve a sponsorship in the amount of $1,500.

**Fiscal Impact:** Funds for water-related community and civic activities are included in the Fiscal Year 2018-2019 annual budget.

Christopher J. Garner  
General Manager

Date

Attachments
Historical Society of Long Beach

Long Beach Water Department Request

August, 2018

Annual Historical Cemetery Tour

PROGRAM INFORMATION

1. Target Market
The Cemetery Tour's target market is anyone who finds the city's history and old cemeteries compelling enough to invest a few hours and the price of a ticket. ($20 presale, with deep discounts for students and children). In 2018, we once again expect to attract close to 1,200 paid attendees and 50 community volunteers. Our attendees reflect the city. In the attached images you see faces of all colors and people of all ages. We know teachers who give extra credit for students to attend! We are proud that attendees include elected officials, city employees, and residents of Long Beach, Lakewood and Signal Hill. Over the past 23 years the tour's appeal has grown to serve our entire Long Beach Community and nearby cities.

2. Purpose
The Historical Society of Long Beach's mission is to collect, preserve and present the history of Long Beach. Our most prominent program, the Historical Cemetery Tour, with its uniquely fun, informative and inclusive approach connects people to local history enhancing their sense of place and connections to people and events that shaped Long Beach.

Befitting a diverse city and audience, we ensure our stories represent the experiences of all who've called Long Beach home including African Americans, Latinos and Asian Americans. Our event utilizes knowledgeable volunteers who speak about our city's diverse heritage and audience. Japanese Americans with family members buried in the cemetery, and Dia de los Muertos table that reflects important Latino traditions are featured on the tour along with a retired reporter recounting the history of Sunnyside and Municipal Cemeteries.

The event also provides a platform to inform the public about the Historical Society's resources, opportunities, and programs. For example, our collections are often the origin of the featured stories. We encourage our guests to become members and buy our books, and we charmingly remind them that it's our patrons and sponsors who allow us to serve the public.
3. Request

The HSLB humbly requests support from the Long Beach Water Department for our 2018 Historical Cemetery Tour in the form of a $1,500 sponsorship.

Featured on this year’s tour, Arthur Branson was a Water Department employee who lived in a home located in what is now Willow Springs Park, once referred to as Long Beach’s water lands. Branson’s story will pay homage to a man who greatly influenced the development of the Long Beach Water Department as a water engineer who managed all of the operations at the Signal Hill yard in the Department’s early years.

As a graveside stop, the Arthur Branson story includes an emcee who will introduce the story and its actors. Joseph Vanderhorst, retired from Metropolitan Water District, has been invited to emcee, his expertise will add to the education of tour goers about water issues. He will interact with our guests as they attend each of the 15 performances of the Arthur Branson story.

Sponsorship from the Long Beach Water Department will help pay rental fees for canopies, tables, chairs, and other equipment that will make the tour experience more enjoyable for attendees.

Eligibility: How does the program promote one of the Long Beach Water Department goals?

1. Raising awareness on issues related to the Water Department’s mission and core business.

Graveside stories present many opportunities to deliver messages related to the characters’ stories. In the case of Arthur Branson, Water Department Engineer, we will emphasize the importance of the central area to the city’s water supply. Willow Springs Park was the site of the first water wells, and Branson’s home. The city built his residence there to make sure that an engineer was close to the operations. Branson was involved in transitioning privately owned water companies into a reliable and efficient, citizen owned, municipal water utility. Like many others employed by the city, Branson was buried in Long Beach Municipal Cemetery.

2. Contributing to a sustainable Long Beach by promoting conservation

As mentioned earlier, each grave stop has an emcee introduces the story and talks to attendees as they gather before the performances begin. Each emcee is given a card that has a written introduction of the story and actor and a page of bullet points he or she can use to talk about topics specific to the character. In the case of Arthur Branson, we are happy to work with the Water Department’s communications staff to provide key messages promoting water conservation.
3. Promoting collaboration with regional partners as part of fulfilling the Water Department’s vision

One of our longtime Cemetery Tour volunteers, Joseph Vanderhorst, recently retired from MWD as an attorney. Joseph is frequently invited to speak to guests at the MWD Inspection tours and plans to stay involved in water issues and agencies. We have asked him to emcee this story and think he will make an outstanding representative for this enlightening story.

Sponsorship Leverage:

A. Graveside performance signage with Water Department Engineer, Arthur Branson
B. Full page program advertisement
C. Press release
D. 25 admission tickets to the tour

2018 Featured Story – Arthur Branson

Long Beach Water Department engineer Arthur Branson is one of eight featured characters on October 27, 2018. Branson managed early operations in the Water Department’s Signal Hill yard. His story will be told in the first person by a costumed actor performing a seven minute script. Each presentation is performed 15 times between 9am and 3pm. Based on previous years, more than 1,000 people will hear Arthur Branson’s story. In addition to the costumed actor, the presentation will be introduced by an emcee who will talk about the Water Department’s focus on sustainability and conservation.

Some of the city’s first water wells were drilled in what is now Willow Spring Park. There was also a reservoir, pumping plant and other facilities in the park that were vital to water service in Long Beach. In 1906, the city built a residence close to these facilities to ensure an engineer was always close at hand to oversee the water operations. By 1912, Arthur Branson was the supervising engineer who lived in the house and was responsible for the operations in the Signal Hill Yard. Branson worked for the Water Department until his death in 1940.
About the Historical Cemetery Tour

The Historical Society of Long Beach’s Annual Historical Cemetery Tour is a dynamic event with eight short theatrical performances held graveside. The 2018 tour will be held on Saturday, October 27th. It is a unique event featuring costumed actors performing first person monologues or dialogs about the interesting “lives” or “deaths” of people buried at Long Beach Municipal and Sunnyside Cemeteries. The exciting cemetery tour is a one-of-a-kind living history celebration that attracted 1,200 people last year and engaged the support of more than 75 volunteers, city agencies, and community and regional leaders.

Our team of historians research local stories, identify featured characters and develop scripts. Professional actors are recruited and work with Carl DaSilva, our artistic director, to perfect the seven minute performances that bring Long Beach history to life. Through these performances we highlight community history. A Water Department booth could be featured once again at the event with representatives engaging the 1,200 tour-goers.

2017 Clark Shaw -- My Son Clark!

Portrayed by Harriet Whtimeyer & Dennis Kortheuer

Clark Shaw did great things for the Water Department and his 1907 invention was adopted across the country. His mother was proud to tell all about it.
From HSLB; 2 months is advance. Event is scheduled October 27.

LANA J HADDAD | Long Beach Water Department
Director of Government and Public Affairs
office 562-570-2309 cell 818.281.6322

From: Julie Bartolotto [mailto:-Julieb@hslb.org]
Sent: Thursday, August 23, 2018 3:17 PM
To: Lana J. Haddad <Lana.Haddad@lbwater.org>
Subject: Historical Cemetery Tour Sponsorship Request

Dear Lana,
I respectfully submit the attached request for support from the Long Beach Water Department’s board of directors. We hope that the board will once again recognize our Historical Cemetery Tour as one that promotes the history of the Water Department.

Featured on this year’s tour is Arthur Branson. He was a Water Department engineer who lived in a home located in what is now Willow Springs Park which was once referred to as Long Beach’s water lands. Branson’s story will pay homage to a man who greatly influenced the development of the Long Beach Water Department as a water engineer who managed all of the operations at the Signal Hill yard in the Department’s early years.

Kindest regards,

Julie Bartolotto
Executive Director
Historical Society of Long Beach
4260 Atlantic Ave, Long Beach CA 90807
562.424.2220 www.hslb.org

Visit during our public hours:
Tuesday, Wednesday, Friday 1-5 pm
Thursday 1-7 pm & Saturday 11-5 pm
Closed Sundays & Mondays
23rd Annual Historical Cemetery Tour

OCTOBER 27, 2018 9:00 AM - 3:00 PM 1095 E. WILLOW STREET, LONG BEACH, CALIFORNIA 90807

Beginning in 1995, the HSLB has conducted an annual living history tour at the city’s two oldest cemeteries. Located on Willow Street between Orange and California and adjacent to one another, Long Beach Municipal Cemetery and Sunnyside Cemetery are “home” to more than 20,000 past residents of the area.

The tour takes place the Saturday on or before Halloween and features graveside presentations by professional and volunteer actors who relate the life and demise of the person lying in rest. Each year’s program features a number of stories – some are individuals who helped shape the city’s political past, others are ordinary people whose tales remind us that rich or poor, famed or nearly forgotten, everyone has a story to tell. Period costumes worn by all the performers further heighten the experience with an aura of authenticity. Many guests get so involved in the presentation that questions like “What was it like to live here in 1920?” are often asked of the performers.

The tour is appropriate for families and all ages. There is nothing scary about the vignettes or the location.

Saturday, October 27th, 2018

Gates open at 8:30am, performances begins at 9am and run through to 2:40pm.

Pre – Sale Ticket Prices
$20 General Admission
$15 Members
$8 Youth ages 5-18
$1 Youth ages 4 and under.

Ticket prices at the gate $25 general & $20 fur members.
BOARD OF WATER COMMISSIONERS

Policy Statement 1998-31

RE: EXPENDITURE OF WATER DEPARTMENT FUNDS FOR BOARD APPROVED LONG BEACH RELATED COMMUNITY AND CIVIC ACTIVITIES

As provided by the Long Beach City Charter, the Board of Water Commissioners may, in its discretion authorize the expenditure of Water Department funds for the promotion of community and civic activities. That discretion is limited, however, to those activities which have a clear water, water conservation or sewer related purpose.

Requests shall be considered on a case by case basis; special consideration will be given to those activities which promote the following goals:

1. Water education
2. Sound water policy
3. Water conservation
4. The role of the Department in the Long Beach community.

Consideration will also be given to those activities which educate and also advance the operations of the Sewer division.

At the beginning of each fiscal year, a budget shall be set for the expenditures of these funds. Each expenditure shall require the prior approval of the Board.

ADOPTED: September 24, 1998
AMENDED: August 26, 1999
AMENDED: May 24, 2001
AMENDED: April 17, 2003
AMENDED: March 18, 2004
AMENDED: November 17, 2016
# FY 18 SPONSORSHIPS

## CATEGORY 1: Interdepartmental Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2018<em>6596-1</em></td>
<td>L B CONVENTION &amp; ENTERTNMNT CTR</td>
</tr>
<tr>
<td>$ 5,000</td>
<td>MAYOR'S INAUGURATION</td>
<td>MAYOR'S FUND FOR EDUCATION</td>
</tr>
<tr>
<td>$20,000</td>
<td><strong>TOTAL CATEGORY 1: Interdepartmental Events</strong></td>
<td></td>
</tr>
</tbody>
</table>

## CATEGORY 2: Community Outreach Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 1,495</td>
<td>WATER DEPT- LUNCHEON 11/16/17 ACT 3870</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$ 3,500</td>
<td>WATER DEPT-SPONSORSHIP GOODWILL POWER 2/28/18</td>
<td>GOODWILL SERVING THE PEOPLE OF</td>
</tr>
<tr>
<td>$  400</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$  750</td>
<td>WATER DEPT- POLICE &amp; FIRE LUNCHEON 3/27/18</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP FOR CA WTR POLICY CONF</td>
<td>SACRAMENTO RIVER WATERSHED PROGRAM</td>
</tr>
<tr>
<td>$ 2,500</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/8/18</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 1,800</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 5/31/18</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$  2,000</td>
<td>SPONSORSHIP 2018 BLUE WHALE GALA AWARDS 06/09/18</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$  1,000</td>
<td>WATER DEPT- MEALS ON WHEELS SPONSORSHIP 7/21/18</td>
<td>MEALS ON WHEELS OF LONG BEACH INC</td>
</tr>
<tr>
<td>$ 14,945</td>
<td><strong>TOTAL CATEGORY 2: Community Outreach Events</strong></td>
<td></td>
</tr>
</tbody>
</table>

## CATEGORY 3: Ads for Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$  200</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 4/14/18</td>
<td>LONG BEACH SECTION NATIONAL COUNCIL OF</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>SPONSORSHIP MUSICA ANJELICA GALA AD (INVOICED)</td>
<td>MUSICA ANJELICA</td>
</tr>
<tr>
<td>$ 1,700</td>
<td><strong>TOTAL CATEGORY 3: Ads for Events</strong></td>
<td></td>
</tr>
</tbody>
</table>

## CATEGORY 4: Ad & Individual Tickets for Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
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<tbody>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT- SPONSORSHIP FOR APRIL 25TH EVENT</td>
<td>WOMEN'S SHELTER OF LONG BEACH</td>
</tr>
<tr>
<td>$ 1,375</td>
<td>LBCC 90TH ANNIVERSARY CELEBRATION GALA (INVOICED)</td>
<td>LONG BEACH CITY COLLEGE</td>
</tr>
<tr>
<td>$  720</td>
<td>ICT ENCORE 2018 EVENT</td>
<td>INTERNATIONAL CITY THEATRE</td>
</tr>
<tr>
<td>$  3,095</td>
<td><strong>TOTAL CATEGORY 4: Ad &amp; Individual Tickets for Events</strong></td>
<td></td>
</tr>
</tbody>
</table>
$39,740  TOTAL SPONSORSHIPS YTD
$30,000  FY 18 SPONSORSHIP BUDGET

132.5% (as of July 26th, 75% of the year)
### Board of Water Commissioners

**FY 17 SPONSORSHIPS**

<table>
<thead>
<tr>
<th>CATEGORY 1: Interdepartmental Events</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Actuals</strong></td>
</tr>
<tr>
<td>$15,000</td>
</tr>
<tr>
<td>$15,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CATEGORY 2: Community Outreach Events</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Actuals</strong></td>
</tr>
<tr>
<td>$500</td>
</tr>
<tr>
<td>$1,000</td>
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<tr>
<td>$1,000</td>
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<tr>
<td>$1,000</td>
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<td>$1,250</td>
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<td>$1,500</td>
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<tr>
<td>$2,500</td>
</tr>
<tr>
<td>$3,000</td>
</tr>
<tr>
<td>$5,000</td>
</tr>
<tr>
<td>$21,250</td>
</tr>
</tbody>
</table>

$36,250  TOTAL SPONSORSHIPS YTD  
$30,000  FY 17 SPONSORSHIP BUDGET  

120.8% (as of May 24, 67% of the year)

MOVED TO GOVT PUBLIC AFFAIRS

<p>| $25,000 | WATERSHED EXHIBIT SPONSORSHIP PAYMENT 1 OF 2 | AQUARIUM OF THE PACIFIC |</p>
<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>VendorName</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT<em>SPONSORSHIP-10/01/16</em>FIL-AM ASSOCIATION</td>
<td>FEDERATION OF FILIPINO AMERICAN</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR 10/29/16</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td>$ 1,250</td>
<td>WATER DEPT-SPONSORSHIP 7/1/16-6/30/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 1,395</td>
<td>WATER DEPT-LUNCHEON<em>33298</em> LBACC 11/19/15</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$ 1,790</td>
<td>WATER DEPT-LUNCHEON 10/19/16 LBACC</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$ 2,500</td>
<td>WATER DEPT<em>001</em>SPONSOR INNOVATE H2O CONF 11/15/16</td>
<td>CORO SOUTHERN CALIFORNIA</td>
</tr>
<tr>
<td>$ 5,000</td>
<td>WATER DEPT-SPONSORSHIP CONSERVATION AWARDS 6/11/16</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$ 5,138</td>
<td>WATER DEPT-MEMBERSHIP DUES 2016</td>
<td>WATER EDUCATION FOUNDATION</td>
</tr>
<tr>
<td>$ 15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2016<em>004856B</em></td>
<td>LONG BEACH CONVENTION &amp;ENTERTAINMENT CTR</td>
</tr>
</tbody>
</table>

**FY 16 Actuals:** $34,073

**% of Budget:** 113.6%
Board of Water Commissioners
September 6, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Authorize the General Manager to Execute an Agreement with Stantec to provide professional services to develop a West Long Beach Advanced Treated Recycled Water Feasibility Study in an amount not-to-exceed $245,396.

Executive Summary:
Recycled water can be used for many non-potable industrial purposes, such as cooling and boiler feed water. However, most of the industrial water used in Long Beach is in the western portion of the city, primarily within the Port of Long Beach, and the western portion of Long Beach currently does not have access to recycled water supplies.

The Los Angeles Department of Water and Power (LADWP) and the Metropolitan Water District of Southern California (MWD) are in the early phases of planning advanced treated recycled water facilities near the western border of the Long Beach Water Department (LBWD) service area. LADWP and MWD have indicated that these new regional recycled water supplies could potentially be made available to the LBWD. LBWD therefore seeks to explore the feasibility of purchasing advanced treated recycled water from LADWP and/or MWD to offset suitable potable water demands on the west side of Long Beach.

Staff issued a request for proposals and received responses from three (3) consulting firms to provide professional services to develop a West Long Beach Advanced Treated Recycled Water Feasibility Study. After reviewing the proposals, staff recommends Stantec based on the reasonableness of their proposal cost, their proposed approach and scope of services, their demonstrated experience on comparable engagements, and the expertise and availability of key personnel.

The not-to-exceed fee for the services is $245,396.

Staff Recommendation/Fiscal Impact:
Authorize the General Manager to Execute an Agreement with Stantec to provide professional services to develop a West Long Beach Advanced Treated Recycled Water Feasibility Study in an amount not-to-exceed $245,396.

Fiscal Impact: $150,000 funding was included in the Water and Sewer Fund Budgets for Fiscal Year 2019. LBWD has been awarded $75,000 for this project through the State Water Resources Control Board Water Recycling Funding Program. The Port of Long Beach has agreed to split the remaining $170,396 cost of this study, so the cost to LBWD is $85,198.

B. Anatole Falagan
Assistant General Manager

Christopher J. Garner
General Manager

Date

Attachment
Long Beach Water Department
West Long Beach Advanced Treated Recycled Water Feasibility Study
Vendor Ranking Summary

<table>
<thead>
<tr>
<th>Rank</th>
<th>Vendor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stantec</td>
</tr>
<tr>
<td>2</td>
<td>Woodard and Curran</td>
</tr>
<tr>
<td>3</td>
<td>GHD</td>
</tr>
</tbody>
</table>
Board of Water Commissioners
September 6, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject


Executive Summary

On June 14, 2018, the Board of Water Commissioners heard a presentation on an initiated statewide proposition for a water bond. On June 28, the initiated proposition for the water bond qualified for the November 2018 ballot, having received the necessary 365,880 valid signatures; the proposal was named Proposition 3. The board-approved policy platform is supportive of additional state funding for water-related needs, ranging from funding for urban water conservation to water infrastructure.

Proposition 3 would issue $8.877 billion in general obligation bonds for water-related infrastructure and environmental projects.

The largest amount of bond revenue ($2.355 billion) would be allocated towards conservancies and state parks to restore and protect watershed lands, and to nonprofits and local agencies for river parkways.

Proposition 3 would require that of that $8.877 billion, $1.398 billion would be spent on projects benefiting disadvantaged communities and an additional $2.637 billion be prioritized for projects benefiting disadvantaged communities. California defines “disadvantaged community” as a community with an annual median income less than eighty percent of the statewide annual median income. In 2017, the statewide median annual income was $63,783 according to the US Census Bureau which would set the level of annual median income at $51,026 or below to qualify as a disadvantaged community.

Over the forty-year term, the bond would generate approximately $8.4 billion in interest and would cost a total of $17.3 billion.

Short Summary of Major Programs in Water Supply and Water Quality Bond Act of 2018

<table>
<thead>
<tr>
<th>Program</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe drinking water and wastewater treatment for disadvantaged communities.</td>
<td>$750 million.</td>
<td>Provides safe drinking water and wastewater treatment for disadvantaged communities, especially in the Central Valley.</td>
</tr>
<tr>
<td>Wastewater recycling.</td>
<td>$400 million.</td>
<td>Recycles wastewater mainly for landscaping and industrial uses.</td>
</tr>
<tr>
<td>Groundwater desalination.</td>
<td>$400 million.</td>
<td>Converts brackish groundwater to usable water supply.</td>
</tr>
<tr>
<td>Project Description</td>
<td>Cost</td>
<td>Benefits</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------------</td>
<td>----------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Urban water conservation.</td>
<td>$300 million</td>
<td>Leak detection, toilet replacement, landscape conversion.</td>
</tr>
<tr>
<td>Agricultural water conservation.</td>
<td>$50 million</td>
<td>Improves inefficient irrigation systems, increasing river flows.</td>
</tr>
<tr>
<td>Central valley flood management, including flood plain restoration.</td>
<td>$100 million</td>
<td>Makes farms and communities more flood safe, and makes flood plains for habitat friendly.</td>
</tr>
<tr>
<td>San Francisco Bay Wetlands and flood improvements.</td>
<td>$200 million</td>
<td>Improves wetlands in San Francisco Bay to provide flood protection and mitigate sea level rise.</td>
</tr>
<tr>
<td>Data management.</td>
<td>$60 million</td>
<td>Better data collection and management: streamflow, etc.</td>
</tr>
<tr>
<td>Stormwater management</td>
<td>$600 million for a variety of state agencies</td>
<td>Capture and treatment of stormwater flows improved river and ocean water quality and increasing water supplies.</td>
</tr>
<tr>
<td>Watershed improvement</td>
<td>$2.355 billion to a wide variety of state agencies</td>
<td>Funds state conservancies, state parks, nonprofits and local agencies to better manage watersheds to improve water quality and water supply.</td>
</tr>
<tr>
<td>Land Management for Water Yield.</td>
<td>$100 million</td>
<td>Removal of invasive weeds which use excessive amounts of surface and groundwater such as tamarisk, yellow starthistle, and arundo.</td>
</tr>
<tr>
<td>Fisheries restoration.</td>
<td>$400 million</td>
<td>Restoring fish habitat. Supplements necessary streamflows.</td>
</tr>
<tr>
<td>Groundwater.</td>
<td>$675 million</td>
<td>Implements the Sustainable Groundwater Management Act., stabilizing groundwater levels in overdraft groundwater basins.</td>
</tr>
<tr>
<td>Water and specific habitat improvements for fisheries.</td>
<td>$500 million</td>
<td>Purchase of water for fish and watercwl.</td>
</tr>
<tr>
<td>Completion of fish screens in Central Valley.</td>
<td>$100 million</td>
<td>Will prevent fish from being diverted into irrigation systems.</td>
</tr>
<tr>
<td>San Joaquin River fisheries Restoration.</td>
<td>$100 million</td>
<td>Restoration of Spring Run Chinook Salmon downstream of Friant dam.</td>
</tr>
<tr>
<td>Waterfowl habitat.</td>
<td>$280 million</td>
<td>Helps meet waterfowl obligations under the Central Valley Project Improvement Act, and other waterfowl habitat improvement programs.</td>
</tr>
<tr>
<td>Bay Area Regional Reliability.</td>
<td>$250 million</td>
<td>Improves interconnections between Bay Area water agencies, making it easier to survive droughts.</td>
</tr>
<tr>
<td>Improvement to Friant Kern Canal and other Friant water interconnections.</td>
<td>$750 million</td>
<td>Restores lost capacity to Friant Kern Canal, pays for groundwater recharge programs, water conservation and possibly new water conveyance in the Friant area.</td>
</tr>
<tr>
<td>Oroville Dam Spillway Repair.</td>
<td>$200 million</td>
<td>Makes Oroville Dam more flood safe.</td>
</tr>
</tbody>
</table>

The initiative also allows state and federal water contractors to recover the funds they pay in climate change charges due to implementation of AB 32, and use those funds in their own systems for water and energy conservation to reduce greenhouse gas emissions.
Board of Water Commissioners
September 6, 2018
Page 3

Board Options/Fiscal Impacts

Fiscal Impact: No fiscal impact.

Recommendation


Lana Haddad 8/30/18
Director – Government and Public Affairs

Christopher J. Garner 8/30/18
General Manager
Board of Water Commissioners  
September 6, 2018 Board Meeting

Subject:
Adopt Specifications WD-07-17 for the Alamitos Tank No. 4 Rehabilitation Project (EO-3390) and authorize the General Manager to sign a construction contract with Paso Robles Tank, Inc., in the amount of $1,692,020.50

Executive Summary:
On July 10 and 17, 2018, staff advertised the Alamitos Tank No. 4 Rehabilitation (Project) for bids. The Project involves furnishing all labor, equipment and materials necessary to modernize the tank's structural, seismic, and safety features and rehabilitate the interior coating. In general, the work includes rehabilitating the roof hatches, interior ladder, handrails, drain system, inlet/outlet piping, roof, interior coating, and exterior paint for the existing Tank No. 4 at the LBWD's Alamitos Site.

On August 16, 2018, four (4) bids were received and opened. A bid tabulation is attached. The lowest responsive bid submitted by Paso Robles Tank, Inc., in the amount of $1,692,020.50 was found to be in conformance with the bid documents.

The Engineer's estimate is $1,747,375.00.

Recommendation/Fiscal Impacts
Adopt Specifications WD-07-17 for the Alamitos Tank No. 4 Rehabilitation Project (EO-3390) and authorize the General Manager to sign a construction contract with Paso Robles Tank, Inc., in the amount of $1,692,020.50.

Fiscal Impact: The funds are included in the FY18/19 CIP budget (Water Funds).

Sean Crumby, P.E.  
Deputy General Manager of Engineering  
Date  
8/2/18

Christopher J. Garner  
General Manager  
Date  
8/2/18

Attachments
Long Beach Water Department

ALAMITOS TANK NO. 4 REHABILITATION

Bid Opening - August 16, 2018 - 10:00 am

<table>
<thead>
<tr>
<th>No.</th>
<th>Contractor</th>
<th>TOTAL AMOUNT OF BID - ITEM 1 THROUGH 42</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Paso Robles Tank</td>
<td>$1,692,020.50</td>
</tr>
<tr>
<td>2</td>
<td>Advance Industrial Services, Inc.</td>
<td>$1,733,900.00</td>
</tr>
<tr>
<td>3</td>
<td>JT Thorpe</td>
<td>$1,955,733.35 (** )</td>
</tr>
<tr>
<td>4</td>
<td>AMP United LLC</td>
<td>$2,032,861.85 (** )</td>
</tr>
<tr>
<td></td>
<td>Engineer's Estimate</td>
<td>$1,747,375.00</td>
</tr>
<tr>
<td></td>
<td>Average Bid</td>
<td>$1,853,628.93</td>
</tr>
</tbody>
</table>

(**) Math error on bid, corrected amount as shown
Board of Water Commissioners
September 6, 2018 Board Meeting

Subject:
Authorize the General Manager to enter into a long-term Power Purchase Agreement (PPA) with PFMG Solar to provide electricity to Admin/OSC complex at an electrical rate of $0.1644 per kWh for a period not to exceed 25 years.

Executive Summary:
The Long Beach Water Department (LBWD) issued a request for proposals (RFP) to obtain electricity from photovoltaic (PV) energy sources under a long-term Power Purchase Agreement (PPA). The RFP required the proposer to finance, build, own, maintain and operate the solar PV systems at two potential LBWD facilities (Admin/OSC complex and Treatment Plant) and provide the electricity to LBWD for a term of 25 years.

Three companies submitted proposals. LBWD evaluated the proposals based on cost analysis, vendor/staff experience, past project performance and proposed terms. PFMG Solar’s proposal for the Admin/OSC complex was deemed to be the most favorable based on the aforementioned evaluation criterion. The proposed system will provide solar energy to the Admin/OSC complex while providing shade/coverage for materials and equipment.

Staff Recommendation:
Authorize the General Manager to enter into a long-term Power Purchase Agreement (PPA) with PFMG Solar to provide electricity to Admin/OSC complex at an electrical rate of $0.1644 per kWh for a period not to exceed 25 years.

Fiscal Impact: The proposed project is estimated to cost $468,285 over a 25-year period; however, it will offset the cost of the material bay canopy, which is estimated at $704,000, resulting in a net saving of $236,215.

Tai J. Tseng 8/31/18
Assistant General Manager - Operations

Christopher J. Garner 8/31/18
General Manager

Attachments
# Proposal Evaluation Ranking

<table>
<thead>
<tr>
<th>Company</th>
<th>Evaluation Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>PFMG</td>
<td>1</td>
</tr>
<tr>
<td>Skybridge Renewables</td>
<td>2</td>
</tr>
<tr>
<td>Performance Inc.</td>
<td>2</td>
</tr>
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</table>

Request for proposal (RFP) Statistics: RFP was published on PlanetBid. 27 vendor representatives attended the mandatory pre-proposal meeting with three vendors submitted proposals.
### Proposal PPA Terms

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
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<td>$1,251,675</td>
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**Early Termination Fee Schedule**
Solar Photovoltaic Project

Long Beach Board of Water Commissioners
September 6, 2018
RFP Solar Photovoltaic (PV) Project

• RFP posted on 4/16/18
  - Seeking proposals for solar electricity generation
  - Two sites: Admin/OSC Complex, Treatment Plant

• 27 vendor representatives attended the mandatory pre-proposal meeting on 4/30/18

• 3 vendors submitted proposals
  - PFMG Solar
  - Skybridge Renewables
  - Performance Contracting, Inc.
## Admin/OSC Complex - Proposed PV Systems

<table>
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<tr>
<th>Vendor</th>
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Admin/OSC Complex - Model Cost Analysis

**Electrical Cost Increase Going with Solar PPA**

- PFMG
- Skybridge Renewables
- Performance Contract Inc.

Engineering Estimate for Material Bay Canopy - will be offset when going with solar canopy
## Treatment Plant - Proposed PV Systems

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Treatment Plant - Model Cost Analysis

Electrical Cost Increase Going with Solar PPA
- PFMG
- Skybridge Renewables
- Performance Contract Inc.

- Year 1:
  - PFMG: 0%
  - Skybridge Renewables: 0%
  - Performance Contract Inc.: 0%

- Cumulative 25 years, NPV:
  - PFMG: 4%
  - Skybridge Renewables: 1%
  - Performance Contract Inc.: 2%
# Vendor Scoring

<table>
<thead>
<tr>
<th>Points</th>
<th>PFMG Solar</th>
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<td><strong>Vendor/Staff Experience</strong></td>
<td>20</td>
<td>18</td>
<td>14</td>
</tr>
<tr>
<td><strong>Past Project Performance</strong></td>
<td>20</td>
<td>18</td>
<td>14</td>
</tr>
<tr>
<td><strong>Solar System Proposal</strong></td>
<td>20</td>
<td>18</td>
<td>15</td>
</tr>
<tr>
<td><strong>Proposal Cost</strong></td>
<td>40</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td><strong>Total Score</strong></td>
<td>100</td>
<td>90</td>
<td>79</td>
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**Highlights**

- Strong references
- >30 projects with public agencies in CA
- No change orders in past projects
- Key personnel on the project clearly identified strong experience

- Limited projects and experience (only listed 7)
- Change order history not clear

- Limited projects and experience with CA public agencies
- Most projects in northeastern US; staff not local
- PPA terms not favorable (no production guarantee, prepayment required)
# PFMG Solar System Terms

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*abbreviated schedule
Authorize the General Manager to enter into a long-term Power Purchase Agreement (PPA) with PFMG Solar to provide electricity to Admin/OSC complex at an electrical rate of $0.1644 per kWh for a period not to exceed 25 years.
THANK YOU - QUESTIONS?
Board of Water Commissioners
September 6, 2018 Board Meeting

CHRISTOPHER J. GARNER, General Manager

Subject:
Approval of sponsorship of the Partners of Parks “Sowing the Seeds of Summer 2019” event to be held September 29, 2018 at the El Dorado Nature Center.

Executive Summary:
Partners of Parks supports the City of Long Beach Parks, Recreation and Marine (PRM) programs by managing strategic partnerships, and seeks development opportunities that support PRM activities, especially benefiting Long Beach teens, seniors, and economically disadvantaged children.

Partners of Parks notes that the El Dorado Nature Center is an ideal location to discuss conservation and sustainability issues being led by the Long Beach Water Department. They also work with neighborhood associations who collaborate with their organization.

As part of this partnership Partners of Parks welcomes the Long Beach Water Department to promote its conservation and sustainability efforts with a tent/booth at the event.

Partners of Parks is seeking a sponsorship in the amount of $5,000 (Giant Sequoia- Diamond) level.

The Board of Water Commissioners has not sponsored Partners of Parks in the past.

Staff Recommendation
Determine that an invitation to sponsor the Partners of Parks “Sowing the Seeds of Summer 2019” event complies with Board Policy Statement 1998-31, Expenditure of Water Department Funds for Board Approved Long Beach Related Community and Civic Activities, and approve a sponsorship in an amount determined by the Board of Water Commissioners.

Fiscal Impact: Funds for water-related community and civic activities are included in the Fiscal Year 2018-2019 annual budget.

Christopher J. Garner
General Manager

Date

Attachments
Long Beach Water Department Program Sponsorship Application

Cover Page

Submitted (date) 8-30-18 ___ mail ___ electronic x

Event Date September 29, 2019 Time 5:30-7:30p

Location El Dorado Nature Center

Title of Program/Event Partners of Parks: Sowing the Seeds of Summer 2019

Please attach previous or current promotional and sponsorship materials to this application.

APPLICANT ORGANIZATION

Name of Organization Partners of Parks

Mailing Address 1150 E. 4th Street, Long Beach, CA 90802

Phone 562-570-3209 Federal/Tax ID 33-0104238

Check one:
☐ Not-for-profit Organization
☐ Government Agency
☐ Public Organization
☐ Sole proprietor: Owner's Full Name

Address


Tax EIN/SSN

Representative of Applicant Organization

Name Randy Zarn Title Executive Director

e undisclosed@partnersofparks.org

Email

Cell 592-260-9593
PROGRAM INFORMATION

Please answer the following questions; attach additional sheets as needed.

1. Target market for the program/event?
   Our target market is people who use the Long Beach Parks, Neighborhood Associations, Friends of the Parks, and Long Beach Community in general.

2. Purpose of program/event?
   To raise awareness of the mission and strategic plan of Partners of Parks, and connect and recognize community leaders and organizations that provide funding and programming in city parks.

3. Sponsorship request?
   $5,000 - Diamond event sponsor

Eligibility

Please explain how the program promotes one of the LBWD goals; attach additional sheets as needed.

1. Raising public awareness on issues related to the LBWD’s mission and core business of the department?
   The El Dorado Nature Center is an ideal location to discuss conservation and sustainability initiatives being led by LBWD. This event will reach Long Beach neighborhood association leaders who share information with their groups.

2. Contributing to a sustainable Long Beach by promoting conservation?
   Partners of Parks supports sustainability initiatives in Long Beach Parks. The department is welcome to promote its sustainability efforts with a tent/booth at the event.

3. Promoting collaboration with regional partners as part of fulfilling the LBWD’s vision?
   This event is a collaboration with Parks, Recreation and Marine and Partners of Parks, and directly benefits several Long Beach neighborhood associations who are collaborating with our organization.

Applicant Signature

The person signing this application certifies that the information presented on this application is correct and complete. This signature is also an affirmative statement that the program or event is not a political fundraising event and is non-partisan.

Signature ________________ Ron Antonette, board president for Randy Zam Date 8-30-18

Please mail or deliver your completed application to
Long Beach Water Department
Attention: Government and Public Affairs Bureau, 4th Floor
1800 E. Wardlow Rd.
Long Beach, CA 90807

Additional inquiries or information needed? Please call: 562-570-2300
PARTNERS OF PARKS

SOWING THE SEEDS OF SUMMER 2019

September 29, 2018 • 5:30-7:30 PM
El Dorado Nature Nature Center

Join friends for an evening of thanks and celebration in support of the community organizations and neighborhood groups who bring programming to our City parks every summer.

We also will be “Sowing the Seeds” for future Partners of Parks activities as we welcome our new Advisory Board Members, and share our new strategic plan to support activities in Long Beach Parks especially benefiting teens, seniors and economically disadvantaged children.

$75.00 per person
Wine - Hors D'Oeuvres - Silent Auction - Interactive Exhibits

All proceeds benefit Partners of Parks and our affiliated partners. Please purchase tickets at www.partnersofparks.org and clicking the “Sowing the Seeds” link.
Sponsorship Level Opportunities for Partners of Parks 2018
Sowing the Seeds for the Summer 2019 Event
September 24th - El Dorado Nature Center - 5:30-7:30 p.m.

$7,500 - Mighty Coastal Redwood - Title Sponsor (only one title sponsor)
Sponsor Name Recognition as event Title Sponsor in all media releases, social media, banner at event entrance; listed as a sponsor in official event program; two reserved cocktail tables; with 3 premium bottles of wine; Partners of Park website for one year and spotlight article in the POP newsletter; 6 tickets to event with 4 VIP parking; VIP sponsor wine basket.

$5,000 - Giant Sequoia - (Diamond)
Sponsor Name Recognition as event Giant Sequoia Sponsor level in all media releases, social media, banner at event entrance; listed as a sponsor in official event program; one reserved cocktail table; Partners of Park website for one year and spotlight article in the POP newsletter; 4 tickets to event with 3 VIP parking; VIP sponsor wine basket.

$2,500 - California Oak - (Gold Sponsor)
Sponsor Name Recognition as event California Oak Sponsor level in all media releases, social media, banner at event entrance; listed as a sponsor in official event program; Partners of Park website for one year and spotlight article in the POP newsletter; 3 tickets to event with 2 VIP parking; VIP sponsor wine basket.

$1,000 - Ponderosa Pine - (Silver Sponsor)
Sponsor Name Recognition as event Ponderosa Pine Sponsor level in all media releases, social media, banner at event entrance; listed as a sponsor in official event program; Partners of Park website for one year and spotlight article in the POP newsletter; 2 tickets to event with 1 VIP parking spot; VIP sponsor wine basket.

$500 - Seedling - (Bronze Sponsor)
Sponsor Name Recognition as event Seedling Sponsor level in all media releases, social media, banner at event entrance; listed as a sponsor in official event program; Partners of Park website for one year and spotlight article in the POP newsletter; 2 tickets to event.

Partners of Parks - a 501 © (3) non-profit organization - TAX ID 33-0104238
"Sowing the fragile beginnings of a new seedling give way to the mighty splendor of nature and quality of life in our parks."
Mission Statement
- Partners of Parks supports the City of Long Beach Parks, Recreation and Marine programs by managing strategic partnerships and seeking development opportunities that support PRM activities especially benefiting Long Beach teens, seniors, and economically disadvantaged children.

What We Do
- Partner and support PRM initiatives and the community groups who benefit PRM assets and programs
- Advocate for expanded programming and upgraded parks infrastructure
- Support City Council specially funded projects involving PRM assets and programs
- Seek out sponsors and donors to help restore, support or create new PRM programming, especially for teens and seniors
- Fundraise to provide scholarship monies that allow families-in-need to sign up children for fee-based recreation classes, camps and lessons
- Working with PRM, serve as a strategic partner to industry and non-profits working with the City to manage their donations that benefit other PRM assets or programs
POP's Signature Program:  
"Youth Scholarship Program"

- This Youth Scholarship Program, which POP has operated for many years, provides funds to enable children to attend fee-based recreation classes, such as Top Chef and LEGO Creator day camps, music lessons, tennis classes and more.
- *This program helped more than 50 families in 2017 — growing this campaign is a strategic priority for the board*
  - Note: Funds dedicated to this program need to account for staff hours to coordinate and manage PRM registration and payment processing
- Future Goal: Incorporate “Youth Scholarship Program” donation line into all PRM online registrations

**Strategic Pillar: Teens**

- **Overview**
  - Due to budget cuts over the past decade, teen centers and programs have been closed and programming specific for teens reduced or cut entirely
- **Opportunities:**
  - Funding closed/new Teen Centers
  - Computer/technology for Teen Centers
  - Teen-focused recreational sports programs: What happens to students not good enough to play in school or club/travel but still love sports?
  - Other programs and activities designed to keep teens active and positively engaged

**Strategic Pillar: Seniors**

- **Overview**
  - Due to LA County funding protocol, we have a limited number of senior meal programs in Long Beach, and transportation programs are underfunded or not available
- **Opportunities:**
  - Fund transportation programs for seniors to reach meal, activity centers as requested by PRM
  - Fund identified senior meal programs (although getting seniors to existing, funded programs will cover this)
  - Assist with other programs that promote independent living for our seniors

**Strategic Pillar: Youth Scholarship Program**

- **Overview**
  - *This program supports Parks Equity initiatives by providing funds for underserved families to sign up for fee-based PRM classes*
- **Opportunities:**
  - Expand reach: Connect with LBUSD re: connecting availability to Title I schools
  - Expand awareness: Check-box fundraising on PRM website, outreach to community organizations
  - Expand funding: Pursue endowments from organizations interested in LA ’28 efforts

**Strategic Pillar: Partnerships**

- **Overview**
  - The Parks’ partners are POP’s partners!
- **Opportunities:**
  - Corporate Partnerships - Provide support to businesses looking to improve the Long Beach community through Parks donations, as reviewed and approved by board
  - Parks “Friends”/Organizations (PRM Assets) - Provide 501(c)(3) donation availability for groups working with PRM, etc. as reviewed and approved by board
  - Council Districts - Support council’s park-related, event-funding efforts when needed or requested, as reviewed and approved by board
Strategic Pillar: Fundraising Opportunities

- Overview
  - Several City-connected programs can form a consistent revenue stream
- Opportunities:
  - “Adopt a” programs - Work with PRM on bench and other donation efforts
  - Lone Sailor, other monuments - Manage and grow donation efforts for LB monuments honoring Veterans
  - Veterans Monuments - Manage and grow donation efforts for Long Beach Monuments
  - Long Beach City Store (online) - Create and manage city’s logo store

Key Initiatives - 2020 Vision and Path

- “Youth Scholarship Program” Management/Expansion to 5,000 Children’s Classes Annually
- Fundraising Plan - Long-Term Initiatives
- Board Development
- Senior Program Support
- Database Review and Management
- Cost Analysis: Contributions of funds and time to PRM programs
- Future Management / Staffing Needs
BOARD OF WATER COMMISSIONERS

Policy Statement 1998-31

RE: EXPENDITURE OF WATER DEPARTMENT FUNDS FOR BOARD APPROVED LONG BEACH RELATED COMMUNITY AND CIVIC ACTIVITIES

As provided by the Long Beach City Charter, the Board of Water Commissioners may, in its discretion authorize the expenditure of Water Department funds for the promotion of community and civic activities. That discretion is limited, however, to those activities which have a clear water, water conservation or sewer related purpose.

Requests shall be considered on a case by case basis; special consideration will be given to those activities which promote the following goals:

1. Water education
2. Sound water policy
3. Water conservation
4. The role of the Department in the Long Beach community.

Consideration will also be given to those activities which educate and also advance the operations of the Sewer division.

At the beginning of each fiscal year, a budget shall be set for the expenditures of these funds. Each expenditure shall require the prior approval of the Board.

ADOPTED: September 24, 1998
AMENDED: August 26, 1999
AMENDED: May 24, 2001
AMENDED: April 17, 2003
AMENDED: March 18, 2004
AMENDED: November 17, 2016
**Board of Commissioners**

**FY 16 Sponsorship Budget: $30,000**

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>VendorName</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000</td>
<td>WATER DEPT<em>SPONSORSHIP-10/01/16</em>FIL-AM ASSOCIATION</td>
<td>FEDERATION OF FILIPINO AMERICAN</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR 10/29/16</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td>$1,250</td>
<td>WATER DEPT-SPONSORSHIP 7/1/16-6/30/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$1,395</td>
<td>WATER DEPT-LUNCHEON<em>33298</em> LBACC 11/19/15</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$1,790</td>
<td>WATER DEPT-LUNCHEON 10/19/16 LBACC</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$2,500</td>
<td>WATER DEPT<em>001</em>SPONSOR INNOVATE H2O CONF 11/15/16</td>
<td>CORO SOUTHERN CALIFORNIA</td>
</tr>
<tr>
<td>$5,000</td>
<td>WATER DEPT-SPONSORSHIP CONSERVATION AWARDS 6/11/16</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$5,138</td>
<td>WATER DEPT-MEMBERSHIP DUES 2016</td>
<td>WATER EDUCATION FOUNDATION</td>
</tr>
<tr>
<td>$15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2016<em>004856B</em></td>
<td>LONG BEACH CONVENTION &amp; ENTERTAINMENT CTR</td>
</tr>
</tbody>
</table>

**FY 16 Actuals: $34,073**

**% of Budget: 113.6%**
# Board of Water Commissioners

## FY 17 SPONSORSHIPS

### CATEGORY 1: Interdepartmental Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2017<em>998317-0221</em></td>
<td>LB CONVENTION&amp;ENTERTNMNT CTR</td>
</tr>
<tr>
<td>$ 15,000</td>
<td>TOTAL CATEGORY 1: Interdepartmental Events</td>
<td></td>
</tr>
</tbody>
</table>

### CATEGORY 2: Community Outreach Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 500</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP LEADERSHIP AWARDS DINNER 12/8/16</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 7/9/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 1,000</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/9/17</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 1,250</td>
<td>WATER DEPT-SPONSORSHIP CONF 7/17-6/30/18</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSOR CEMETERY TOUR OCT 28, 2017</td>
<td>HISTORICAL SOCIETY OF LONG BEACH</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP AWARDS EVENT 09/29/17</td>
<td>CENTRO C H A INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 2/8-2/10/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 1,500</td>
<td>WATER DEPT-SPONSORSHIP CONF 8/17/17</td>
<td>URBAN WATER INSTITUTE INC</td>
</tr>
<tr>
<td>$ 2,500</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 6/1/17</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$ 3,000</td>
<td>WATER DEPT-SPONSORSHIP 5/8/17 ORCHESTRA GALA</td>
<td>MUSICA ANGELICA</td>
</tr>
<tr>
<td>$ 5,000</td>
<td>WATER DEPT - SPONSORSHIP CONSERVATION AWARDS 2017</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$ 21,250</td>
<td>TOTAL CATEGORY 2: Community Conservation Events</td>
<td></td>
</tr>
</tbody>
</table>

$ 36,250 TOTAL SPONSORSHIPS YTD

$ 30,000 FY 17 SPONSORSHIP BUDGET

120.8% (as of May 24, 67% of the year)

MOVED TO GOVT PUBLIC AFFAIRS

$ 25,000 WATERSHED EXHIBIT SPONSORSHIP PAYMENT 1 OF 2

AQUARIUM OF THE PACIFIC
# Board of Water Commissioners

## FY 18 SPONSORSHIPS

### CATEGORY 1: Interdepartmental Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,000</td>
<td>WATER DEPT-STATE OF THE CITY 2018<em>6596-1</em></td>
<td>L B CONVENTION &amp; ENTERTNMNT CTR</td>
</tr>
<tr>
<td>$5,000</td>
<td>MAYOR'S INAUGURATION</td>
<td>MAYOR'S FUND FOR EDUCATION</td>
</tr>
<tr>
<td>$20,000</td>
<td><strong>TOTAL CATEGORY 1: Interdepartmental Events</strong></td>
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</tr>
</tbody>
</table>

### CATEGORY 2: Community Outreach Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,495</td>
<td>WATER DEPT-LUNCHEON 11/16/17 ACT 3870</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$3,500</td>
<td>WATER DEPT-SPONSORSHIP GOODWILL POWER 2/28/18</td>
<td>GOODWILL SERVING THE PEOPLE OF</td>
</tr>
<tr>
<td>$400</td>
<td>CHRISTMAS PARADE LBWD FLOAT ENTRY FEE</td>
<td>BELMONT SHORE BUS. ASSOC.</td>
</tr>
<tr>
<td>$750</td>
<td>WATER DEPT-POLICE &amp; FIRE LUNCHEON 3/27/18</td>
<td>LONG BEACH AREA CHAMBER OF COMMERCE</td>
</tr>
<tr>
<td>$1,500</td>
<td>WATER DEPT-SPONSORSHIP FOR CA WTR POLICY CONF</td>
<td>SACRAMENTO RIVER WATERSHED PROGRAM</td>
</tr>
<tr>
<td>$2,500</td>
<td>WATER DEPT-SPONSORSHIP MUD MANIA 7/8/18</td>
<td>RANCHO LOS CERRITOS FOUNDATION</td>
</tr>
<tr>
<td>$1,800</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 5/31/18</td>
<td>RANCHO LOS ALAMITOS FOUNDATION</td>
</tr>
<tr>
<td>$2,000</td>
<td>SPONSORSHIP 2018 BLUE WHALE GALA AWARDS 06/09/18</td>
<td>AQUARIUM OF THE PACIFIC</td>
</tr>
<tr>
<td>$1,000</td>
<td>WATER DEPT- MEALS ON WHEELS SPONSORSHIP 7/21/18</td>
<td>MEALS ON WHEELS OF LONG BEACH INC</td>
</tr>
<tr>
<td>$14,945</td>
<td><strong>TOTAL CATEGORY 2: Community Outreach Events</strong></td>
<td></td>
</tr>
</tbody>
</table>

### CATEGORY 3: Ads for Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$200</td>
<td>WATER DEPT-SPONSORSHIP LUNCHEON 4/14/18</td>
<td>LONG BEACH SECTION NATIONAL COUNCIL OF</td>
</tr>
<tr>
<td>$1,500</td>
<td>SPONSORSHIP MUSICA ANJELICA GALA AD (INVOICED)</td>
<td>MUSICA ANJELICA</td>
</tr>
<tr>
<td>$1,700</td>
<td><strong>TOTAL CATEGORY 3: Ads for Events</strong></td>
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</table>

### CATEGORY 4: Ad & Individual Tickets for Events

<table>
<thead>
<tr>
<th>Actuals</th>
<th>Description</th>
<th>Vendor Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000</td>
<td>WATER DEPT- SPONSORSHIP FOR APRIL 25TH EVENT</td>
<td>WOMENSHelter OF LONG BEACH</td>
</tr>
<tr>
<td>$1,375</td>
<td>LBCC 90TH ANNIVERSARY CELEBRATION GALA (INVOICED)</td>
<td>LONG BEACH CITY COLLEGE</td>
</tr>
<tr>
<td>$720</td>
<td>ICT ENCORE 2018 EVENT</td>
<td>INTERNATIONAL CITY THEATRE</td>
</tr>
<tr>
<td>$3,095</td>
<td><strong>TOTAL CATEGORY 4: Ad &amp; Individual Tickets for Events</strong></td>
<td></td>
</tr>
</tbody>
</table>
Board of Water Commissioners

$ 39,740 TOTAL SPONSORSHIPS YTD
$ 30,000 FY 18 SPONSORSHIP BUDGET

132.5% (as of July 26th, 75% of the year)
ITEM 15.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CONSIDER STANDING COMMITTEE REFERRALS
ITEM 17.

A VERBAL PRESENTATION WILL BE MADE AT BOARD MEETING

CLOSED SESSION:
Pursuant to section 54957.6 of the California Government Code regarding labor negotiations with represented employees: City Designated representative: Christopher Garner: Employee Organizations: (1) Long Beach Supervisors Employees Association; (2) International Association of Machinists and Aerospace Workers, and (3) Association of Long Beach Employees
AGENDA
BOARD OF WATER COMMISSIONERS
FINANCE COMMITTEE
COMMISSIONER HARRY SALTZGAVER/COMMISSIONER FRANK MARTINEZ
THURSDAY, SEPTEMBER 6, 2018, AT 8:00 A.M.
LONG BEACH WATER DEPARTMENT, ADMINISTRATION BUILDING
1800 E. WARDLOW ROAD
LONG BEACH, CALIFORNIA

Staff:
B. Anatole Falagan

1. Call to Order

2. FY 17/18 Third Quarter Financial Review

3. New Business

4. Adjournment

AN OPPORTUNITY WILL BE GIVEN TO THE PUBLIC TO ADDRESS THE COMMITTEE OF THE BOARD OF WATER COMMISSIONERS CONCERNING THE SUBJECT MATTER. EACH PERSON WILL BE ALLOWED THREE MINUTES UNLESS EXTENDED BY THE COMMITTEE CHAIR.

Written materials relating to any item on the Commission's agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.
If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.

Kung ang pasalitang pagsasalin-wika para sa mga taong hindi nagsasalita ng Ingles ay hinahangad o kung ang isang natatanging kaluwagan ay hinahangad alinsunod sa Batas sa mga Amerikanong May Kapansanan, mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 oras bago ang pulong ng Komisyon sa Karta.

Si desea una interpretación en otro idioma para las personas que no hablan inglés o si se desea una adaptación especial de acuerdo con la Ley de Estadounidenses con Discapacidad, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión de Estatutos.
Water Fund FY 18 Projections
FY 18 Estimated Water Fund Balance

- Beginning: $24.7
- Budget End: $21.3
- Q2 Est End: $23.0
- Q3 Est End: $24.9

Budgeted draw on reserves: $3.4M
Q2 est. draw on reserves: $1.6M
Q3 est. increase in reserves: $200k
## FY 18 Estimated Water Fund Balance

<table>
<thead>
<tr>
<th>Period</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning</td>
<td>$24.7</td>
<td></td>
</tr>
<tr>
<td>Budget End</td>
<td>$21.3</td>
<td></td>
</tr>
<tr>
<td>Q2 Est End</td>
<td>$23.0</td>
<td></td>
</tr>
<tr>
<td>Q3 Est End</td>
<td>$24.9</td>
<td></td>
</tr>
</tbody>
</table>

- **Expenditures**
  - $2.8M
- **Revenues**
  - $970k
## Water Fund Expenditures (in $1,000’s)

<table>
<thead>
<tr>
<th></th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
<th>FY 18 Q3 Est</th>
<th>ETC Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Labor</strong></td>
<td>24,566</td>
<td>23,139</td>
<td>23,468</td>
<td>329</td>
</tr>
<tr>
<td><strong>CIP</strong></td>
<td>13,416</td>
<td>14,770</td>
<td>15,363</td>
<td>594</td>
</tr>
<tr>
<td><strong>Non-Personal</strong></td>
<td>68,400</td>
<td>68,554</td>
<td>64,814</td>
<td>(3,740)</td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td>106,382</td>
<td>106,463</td>
<td>103,645</td>
<td>(2,817)</td>
</tr>
</tbody>
</table>
## Water Fund Expenditures (in $1,000’s)

<table>
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<th></th>
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<td>106,463</td>
<td>103,645</td>
<td>(2,817)</td>
</tr>
</tbody>
</table>

*Filling of vacancies*
## Water Fund Expenditures (in $1,000's)

<table>
<thead>
<tr>
<th></th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
<th>FY 18 Q3 Est</th>
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<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td><strong>106,382</strong></td>
<td><strong>106,463</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Paving**: -$900k
- **New Well/Rehab**: $125k
- **AMI**: $1.2M ($950k offset)
## Water Fund Expenditures (in $1,000’s)

<table>
<thead>
<tr>
<th></th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
<th>FY 18 Q3 Est</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>106,463</td>
<td>103,645</td>
<td>(2,817)</td>
</tr>
<tr>
<td>Category</td>
<td>FY 18 Budget</td>
<td>FY 18 Q2 Est</td>
<td>FY 18 Q3 Est</td>
<td>ETC Variance</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Seawater Barrier</td>
<td>3,679</td>
<td>7,389</td>
<td>4,904</td>
<td>(2,485)</td>
</tr>
<tr>
<td>Water Purchases - Customers</td>
<td>22,207</td>
<td>25,554</td>
<td>25,011</td>
<td>(543)</td>
</tr>
<tr>
<td>Pump, Power &amp; Treatment</td>
<td>14,566</td>
<td>13,217</td>
<td>13,267</td>
<td>51</td>
</tr>
<tr>
<td>Materials, Supplies &amp; Services</td>
<td>5,342</td>
<td>4,600</td>
<td>5,085</td>
<td>485</td>
</tr>
<tr>
<td>Pipeline Fee/Nexus Study/Measure M</td>
<td>6,453</td>
<td>3,721</td>
<td>3,118</td>
<td>(603)</td>
</tr>
<tr>
<td>City Services</td>
<td>6,147</td>
<td>6,124</td>
<td>6,123</td>
<td>(2)</td>
</tr>
<tr>
<td>Debt Service</td>
<td>5,013</td>
<td>3,134</td>
<td>3,138</td>
<td>5</td>
</tr>
<tr>
<td>Contracts</td>
<td>3,545</td>
<td>3,516</td>
<td>3,248</td>
<td>(268)</td>
</tr>
<tr>
<td>Capital Equipment</td>
<td>1,447</td>
<td>2,049</td>
<td>1,420</td>
<td>(629)</td>
</tr>
<tr>
<td>Operational Savings</td>
<td>-</td>
<td>(750)</td>
<td>(500)</td>
<td>250</td>
</tr>
<tr>
<td><strong>Total Non-Personal</strong></td>
<td><strong>68,400</strong></td>
<td><strong>68,554</strong></td>
<td><strong>64,814</strong></td>
<td><strong>(3,740)</strong></td>
</tr>
</tbody>
</table>
### Water Fund Non-Personal Expenditures (in $1,000’s)

<table>
<thead>
<tr>
<th>Category</th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
<th>FY 18 Q3 Est</th>
<th>ETC Variance</th>
</tr>
</thead>
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<td>3,721</td>
<td>3,118</td>
<td>(603)</td>
</tr>
<tr>
<td>Pump, Power &amp; Treatment</td>
<td>6,147</td>
<td>6,124</td>
<td>6,123</td>
<td>(2)</td>
</tr>
<tr>
<td>Materials, Supplies &amp; Services</td>
<td>5,013</td>
<td>3,134</td>
<td>3,138</td>
<td>5</td>
</tr>
<tr>
<td>Pipeline Fee/Nexus Study/Measure M</td>
<td>3,545</td>
<td>3,516</td>
<td>3,248</td>
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<tr>
<td>City Services</td>
<td>1,447</td>
<td>2,049</td>
<td>1,420</td>
<td>(629)</td>
</tr>
<tr>
<td>Debt Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contracts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Capital Equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operational Savings</td>
<td></td>
<td>(750)</td>
<td>(500)</td>
<td>250</td>
</tr>
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Seawater Barrier injection reduced (offset by revenue reduction)
# Water Fund Non-Personal Expenditures (in $1,000’s)

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<td>6,147</td>
<td>6,124</td>
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*Increased pumping and Lakewood purchase agreement reduced MWD purchases*
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**Increased pumping offset by decreased electricity rates and chemicals costs**

---

**Long Beach Water**

12
## Water Fund Non-Personal Expenditures (in $1,000’s)

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Conservation Rebates $135k
Pipes, Materials & Equip $300k
## Water Fund Non-Personal Expenditures (in $1,000’s)

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Additional clarification from City on the transfer methodology and calculation.
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**Discovery Science Center**  
**Augmented Reality App**
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*Vehicles will be received in FY 19*
<table>
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<th>Revenue Source</th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
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<tbody>
<tr>
<td>Customer Sales &amp; Charges</td>
<td>94,651</td>
<td>92,393</td>
<td>92,400</td>
<td>6</td>
</tr>
<tr>
<td>Seawater Barrier Reimbursement</td>
<td>3,609</td>
<td>8,506</td>
<td>6,121</td>
<td>(2,385)</td>
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<td>AMI Debt Proceeds</td>
<td>2,077</td>
<td>-</td>
<td>954</td>
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<td>3,917</td>
<td>4,369</td>
<td>452</td>
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<td><strong>Total Revenue</strong></td>
<td><strong>103,031</strong></td>
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**Reduced Barrier Injection**
## Water Fund Revenues (in $1,000’s)

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*Reimbursable FY 18 project costs*

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*Long Beach Water*
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<td>954</td>
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<tr>
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<td></td>
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## FY 18 Estimated Water Fund Balance

### Bar Graph

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<td>Beginning</td>
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<td>Budget End</td>
<td>$21.3</td>
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<td>Q2 Est End</td>
<td>$23.0</td>
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<tr>
<td>Q3 Est End</td>
<td>$24.9</td>
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#### Budgeted draw on reserves
- **Max**: $35.3
- **Min**: $21.8

#### Q2 est. draw on reserves
- **$1.6M**

#### Q3 est. increase in reserves
- **$200k**

---

**Long Beach Water**

21
## Changes in Estimated Water Ending Fund Balance

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<th>Exp</th>
<th>Rev</th>
<th>Net</th>
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<td>950</td>
<td>(250)</td>
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<tr>
<td>Labor</td>
<td>330</td>
<td>-</td>
<td>(330)</td>
</tr>
<tr>
<td>Pipes, Materials &amp; Equip</td>
<td>300</td>
<td>-</td>
<td>(300)</td>
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<tr>
<td>Conservation Rebates</td>
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<td>(135)</td>
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<tr>
<td>New Well/Rehab</td>
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<td>Transfer</td>
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<td>Water Purchases</td>
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<td>Contracts</td>
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<tr>
<td>Scrap Metals &amp; Misc Fees</td>
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<tr>
<td><strong>Fund Balance Gain/(Loss)</strong></td>
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Sewer Fund FY 18 Projections
FY 18 Estimated Sewer Fund Balance

- **Beginning**: $10.9
- **Budget End**: $7.9
- **Q2 Est End**: $10.1
- **Q3 Est End**: $11.6

**Budgeted draw on reserves**
- $3M

**Q2 est. draw on reserves**
- $810k

**Q3 est. increase to reserves**
- $660k

Min: $3.6
Max: $9
### Sewer Fund Expenditures (in $1,000’s)

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<th>FY 18 Q3 Est</th>
<th>ETC Variance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labor</td>
<td>5,149</td>
<td>4,662</td>
<td>4,637</td>
<td>(25)</td>
</tr>
<tr>
<td>CIP</td>
<td>4,046</td>
<td>5,089</td>
<td>5,019</td>
<td>(70)</td>
</tr>
<tr>
<td>Non-Personal</td>
<td>12,830</td>
<td>10,798</td>
<td>9,971</td>
<td>(827)</td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td><strong>22,025</strong></td>
<td><strong>20,549</strong></td>
<td><strong>19,627</strong></td>
<td><strong>(922)</strong></td>
</tr>
</tbody>
</table>
### Sewer Fund Expenditures (in $1,000’s)

<table>
<thead>
<tr>
<th>Category</th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
<th>FY 18 Q3 Est</th>
<th>ETC Variance</th>
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</table>

Transfer reduced by $1.1M
<table>
<thead>
<tr>
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<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Daily Service Charge</td>
<td>12,034</td>
<td>11,359</td>
<td>11,416</td>
<td>56</td>
</tr>
<tr>
<td>Volumetric Sales</td>
<td>6,506</td>
<td>5,893</td>
<td>5,962</td>
<td>69</td>
</tr>
<tr>
<td>Sewer Capacity Charges</td>
<td>350</td>
<td>1,105</td>
<td>1,295</td>
<td>191</td>
</tr>
<tr>
<td>Misc Revenue</td>
<td>111</td>
<td>1,383</td>
<td>1,611</td>
<td>228</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td><strong>19,001</strong></td>
<td><strong>19,740</strong></td>
<td><strong>20,284</strong></td>
<td><strong>543</strong></td>
</tr>
</tbody>
</table>
## Sewer Fund Revenues (in $1,000’s)

<table>
<thead>
<tr>
<th></th>
<th>FY 18 Budget</th>
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<td><strong>543</strong></td>
</tr>
</tbody>
</table>

- **Developer Activity**
<table>
<thead>
<tr>
<th></th>
<th>FY 18 Budget</th>
<th>FY 18 Q2 Est</th>
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</tr>
</tbody>
</table>

**Interest & Pooled Cash $165k**

**Vehicle Sales $40k**
FY 18 Estimated Sewer Fund Balance

<table>
<thead>
<tr>
<th></th>
<th>Beginning</th>
<th>Budget End</th>
<th>Q2 Est End</th>
<th>Q3 Est End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Millions</td>
<td>$10.9</td>
<td>$7.9</td>
<td>$10.1</td>
<td>$11.6</td>
</tr>
</tbody>
</table>

Budgeted draw on reserves $3M
Q2 est. draw on reserves $810k
Q3 est. increase to reserves $660k
## Changes in Estimated Sewer Ending Fund Balance

<table>
<thead>
<tr>
<th></th>
<th>Exp</th>
<th>Rev</th>
<th>Net</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transfer</td>
<td>(1,100)</td>
<td>-</td>
<td>1,100</td>
</tr>
<tr>
<td>Sewer Capacity Charges</td>
<td>-</td>
<td>190</td>
<td>190</td>
</tr>
<tr>
<td>Interest &amp; Pooled Cash</td>
<td>-</td>
<td>165</td>
<td>165</td>
</tr>
<tr>
<td>Vehicle Sales</td>
<td>-</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td><strong>Fund Balance Gain/(Loss)</strong></td>
<td>(1,100)</td>
<td>395</td>
<td>1,495</td>
</tr>
</tbody>
</table>
AGENDA

1. Call to Order and Pledge of Allegiance
2. Roll Call
3. Open Public Hearing – President Robert Shannon
4. Public Comments
5. City Attorney Comments
6. Close Public Hearing/Adjourn Meeting – President Shannon

AN OPPORTUNITY WILL BE GIVEN TO THE PUBLIC TO ADDRESS THE BOARD OF WATER COMMISSIONERS CONCERNING THE SUBJECT MATTER. EACH PERSON WILL BE ALLOWED THREE MINUTES UNLESS EXTENDED BY THE BOARD CHAIR.

Written materials relating to any item on the Commission's agenda which are submitted to the Commission after distribution of the agenda packet are available for public inspection at the Water Department Administration Offices located at 1800 E. Wardlow Road, Long Beach, CA 90807.
If language interpretation for non-English speaking persons is desired or if a special accommodation is desired pursuant to the Americans with Disabilities Act, please make your request by phone to the City Clerk Department at (562) 570-6101, 72 hours prior to the Charter Commission meeting.

Kung ang pasalitang pagsasalin-wika para sa mga taong hindi nagsasalita ng Ingles ay hinahangad o kung ang isang natatanging kaluwagan ay hinahangad alinsunod sa Batas sa mga Amerikanong May Kapansanan, mangyaring gawin ang iyong kahilingan sa pamamagitan ng telepono sa Kagawaran ng Klerk ng Lunsod sa (562) 570-6101, 72 horas bago ang pulong ng Komisyon sa Karta.

Si desea una interpretación en otro idioma para las personas que no hablan inglés o si se desea una adaptación especial de acuerdo con la Ley de Estadounidenses con Discapacidad, realice su pedido por teléfono al Departamento de la Secretaría Municipal al (562) 570-6101, 72 horas antes de la reunión de la Comisión de Estatutos.

«ถ้าต้องการให้การแปลภาษาสำหรับผู้ที่ไม่ได้พูดภาษาอังกฤษ หรือต้องการการรองรับพิเศษตามกฎหมาย美国人有能力和残疾法(Americans with Disabilities Act) ให้ประสานไปยังหน่วยงานของเทศบาล (562) 570-6101 72 ชั่วโมงก่อนการประชุมของคณะกรรมการเทศบัญญัติ»
The Long Beach Water Department will hold a public hearing on August 30, 2018 to consider any public protest of proposed changes to the City’s water rate, which would be effective October 1, 2018.

<table>
<thead>
<tr>
<th>WRITTEN PROTEST MUST BE RECEIVED BY THE PUBLIC HEARING</th>
<th>PUBLIC HEARING ON AUGUST 30, 2018, 7:00pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Beach Board of Water Commissioners</td>
<td>Long Beach Groundwater Treatment Plant Assembly Room</td>
</tr>
<tr>
<td>Attn: Executive Assistant To The Board</td>
<td>2950 Redondo Avenue</td>
</tr>
<tr>
<td>1800 East Wardlow Road</td>
<td>Long Beach, CA 90807</td>
</tr>
</tbody>
</table>

There is a proposed 7.2 percent increase in water rates and zero adjustment in sewer rates. The proposed change will go into effect October 1, 2018.

The Long Beach Board of Water Commissioners approved the following adjustment in water rates paid by all Long Beach Water Department (LBWD) customers, subject to the above public hearing. The rate adjustment returns the average monthly combined water bill for a typical single family household to the same amount as October 2017 (see chart below). The “typical” single family household calculation assumes 10 billing units of both water and sewer usage. The adjustment will be $3.05 more for water service per typical single family household.

<table>
<thead>
<tr>
<th>Proposed Monthly Charges</th>
<th>Oct 1, 2017</th>
<th>Jan 1, 2018</th>
<th>Oct 1, 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Bill</td>
<td>$44.45</td>
<td>$42.58</td>
<td>$45.63</td>
</tr>
<tr>
<td>Sewer Bill</td>
<td>$11.51</td>
<td>$10.32</td>
<td>$10.32</td>
</tr>
<tr>
<td>Total Combined Bill</td>
<td>$55.96</td>
<td>$52.90</td>
<td>$55.95</td>
</tr>
<tr>
<td>Net Adjustment on Combined Bill</td>
<td>($3.06)</td>
<td>$3.05</td>
<td></td>
</tr>
</tbody>
</table>

Note: The table reflects the average monthly bill for a typical single family household’s monthly water and sewer service, assumed at 10 billing units. One “billing unit” equals 748 gallons.

Why is the water rate being adjusted?

Long Beach voters approved Measure M authorizing continuing utility revenue transfer to the General Fund.

In June 2018, voters in the city of Long Beach passed Measure M, reauthorizing and affirming the City’s historical practice of revenue transfers from the City’s utilities to the General Fund, as approved by the City Council and Board of Water Commissioners. The revenue transfer is subject to a cap of twelve percent (12%) of each utility’s annual gross revenues, as shown by audited financial reports. All proceeds from utility revenue transfers to the General Fund shall be used to maintain local General Fund services, which include general City services such as police, fire and paramedic response, street repair, parks, libraries and youth/senior programs.

Our valued customers will continue to enjoy low rates for the exceptional water and sewer services they receive.

At LBWD, we take our responsibility for the community’s health and well-being and quality of life very seriously. Our goal is to provide our customers with exceptional and reliable water and sewer services. We strive in all ways to provide exceptional customer service and good value for our customers, including practicing financial restraint and prudent financial management.
Long Beach's water and sewer rates compared to other large cities in the state.

**Water and Sewer Combined Bill**

<table>
<thead>
<tr>
<th>City</th>
<th>Bill ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Beach</td>
<td>$70</td>
</tr>
<tr>
<td>Golden State</td>
<td>$96</td>
</tr>
<tr>
<td>Sacramento</td>
<td>$97</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>$106</td>
</tr>
<tr>
<td>San Jose</td>
<td>$107</td>
</tr>
<tr>
<td>San Diego</td>
<td>$130</td>
</tr>
<tr>
<td>Oakland</td>
<td>$136</td>
</tr>
<tr>
<td>San Francisco</td>
<td>$222</td>
</tr>
</tbody>
</table>

* Includes $14.08 Los Angeles County Sanitation Districts Charge

** Combined Golden State Water and LB Sewer Rates

LBWD is proud to provide our customers with reliable, affordable and exceptional quality drinking water.

LBWD provides a wide array of customer benefits and support programs.

LBWD customers also enjoy a consistently excellent quality of water, which meets and exceeds all drinking water standards for clean, safe water. Annual water quality reports are posted on the website at lbwater.org/annual-water-quality-report and are readily accessible to the public.

LBWD also provides a wide array of innovative customer support programs and sustainability initiatives, including rebates and incentives for both indoor and outdoor water use efficiency for all our business and residential customers.

**Long Beach Water**

Regarding Proposed Water Rate Changes and Public Hearing

PROPOSITION 218 LEGAL NOTICE