



REGULAR BOARD MEETING

NOVEMBER 7, 2017



STOCKTON EAST WATER DISTRICT

PROVIDING SERVICE SINCE 1946

www.sewd.net

DIRECTORS

Richard Atkins
Division 1

Andrew Watkins
Division 2

Alvin Cortopassi
Division 3

Melvin Panizza
Vice President
Division 4

Paul Sanguinetti
Division 5

Loralee McGaughey
Division 6

Thomas McGurk
President
Division 7

STAFF

Scot A. Moody
General Manager

Michael D. Johnson
Assistant General Manager

LEGAL COUNSEL

Jeanne M. Zolezzi
General Counsel

Phone 209-948-0333
Fax 209-948-0423

E-mail sewd@sewd.net

6767 East Main Street
Stockton, CA 95215

Post Office Box 5157
Stockton, CA 95205

MEETING NOTICE

THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE
STOCKTON EAST WATER DISTRICT WILL BE HELD
AT NOON, TUESDAY, NOVEMBER 7, 2017 AT THE
DISTRICT OFFICE, 6767 EAST MAIN STREET
STOCKTON, CALIFORNIA 95215

Assistance for the Disabled: If you are disabled in any way and need accommodation to participate in the meeting, please contact Kristin Carido, Administrative Services Manager (209) 948-0333 at least 48-hours in advance for assistance so the necessary arrangements can be made.

Agendas and minutes are located on our website at www.sewd.net.

AGENDA

Page No

- A. Pledge of Allegiance (Director Atkins) & Roll Call**
- B. Consent Calendar (None)**
- C. Public Comment (Non-Agenda Items)**
- D. Scheduled Presentations and Agenda Items**
 - 1. Minutes 10/31/17 Regular Meeting 01
 - 2. Warrants – California Public Employees’ Retirement System 07
 - 3. Stockton East Water District Committee Meeting(s) – Draft Budget Fiscal Year 2018/2019 09
 - 4. Stockton East Water District – Photovoltaic Solar System Project – Lot Line Adjustment 11
 - 5. Base Monthly Payments Recap, 10/31/17 13
 - 6. Consideration to Support – Northern California Water Agencies Letter 15
 - 7. Water Supply Operations Memo 19
- E. Committee Reports**
 - 1. Stockton Area Water Suppliers Meeting, 11/06/17
- F. Report of the General Manager**
 - 1. Water Supply Report as of 10/30/17 23

2. Information Items

a. Material Included, but Bound Separately from Agenda Packet:

1. Take 'Twin' Out Of Tunnels?, The Stockton Record, 10/30/17
2. Small-Scale Farmers Thinking Big, The Stockton Record, 10/27/17
3. Learn About New Laws Affecting Special Districts in 2018, CSDA e-News, 10/31/17
4. Stanislaus County Department Of Environmental Resources – Notice Of Intent To Adopt A Mitigated Negative Declaration, Review Period: 10/31/17 – 11/30/17
5. Water Chief To Retire After 'Great Ride' of 37 Years, ACWA News, 10/30/17
6. Press Release: Reclamation Releases Draft Results On The Central Valley Project Cost Allocation Study, United States Bureau of Reclamation, 10/27/17

3. Report on General Manager Activities

G. Director Reports

1. ACWA Region 4 Board Strategic Workshop, 11/02/17 25
2. Greater Stockton Chamber of Commerce Monthly Mixer – 27
Children's Museum of Stockton, 11/02/17

H. Communications

I. Agenda Planning/Upcoming Events

1. California Special Districts Association Brown Act Workshop (Hosted at Stockton East Water District), 8:00 a.m., 11/08/17
2. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting, 10:15 a.m., 11/08/17
3. District Holiday – Veteran's Day, 11/10/17
4. Delta Coalition Committee Meeting, 8:30 a.m., 11/13/17
5. San Joaquin County & Delta Water Quality Coalition Meeting, 9:00 a.m., 11/13/17

J. Report of the Counsel

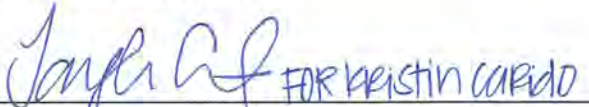
1. Closed Session - Potential Litigation
Government Code 54956.9 (c) – one case

K. Adjournment

Certification of Posting

I hereby certify that on November 2, 2017 I posted a copy of the foregoing agenda in the outside display case at the District Office, 6767 East Main Street, Stockton, California, said time being at least 72 hours in advance of the meeting of the Board of Directors of the Stockton East Water District (Government Code Section 54954.2).

Executed at Stockton, California on November 2, 2017.



Kristin Carido, Administrative Services Manager
Stockton East Water District

Any materials related to items on this agenda distributed to the Board of Directors of Stockton East Water District less than 72 hours before the public meeting are available for public inspection at the District's office located at the following address: 6767 East Main Street, Stockton, CA 95215. Upon request, these materials may be available in an alternative format to persons with disabilities.

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THE REGULAR MEETING OF THE BOARD OF DIRECTORS
OF STOCKTON EAST WATER DISTRICT WAS HELD AT THE DISTRICT OFFICE
6767 EAST MAIN STREET, STOCKTON, CA
ON TUESDAY, OCTOBER 31, 2017 AT 12:00 NOON

A. PLEDGE OF ALLEGIANCE AND ROLL CALL

President McGurk called the regular meeting to order at 12:18 p.m., and Director Cortopassi led the Pledge of Allegiance.

Present at roll call were Directors Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti and Watkins. Also present were Manager Moody, Assistant Manager Johnson, District Engineer Lee, Finance Director Vega, Administrative Services Manager Carido, Administrative Clerk Curtis, Legal Counsel Zolezzi and Consultant Barkett.

B. CONSENT CALENDAR (None)

C. PUBLIC COMMENT (None)

D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS

1. Minutes 10/24/17 Regular Meeting

Director Cortopassi made the following correction to the minutes:

- Page 3, section F-1, 6th paragraph, 1st sentence – strike the word “a” and replace with “the Bellota”.

A motion was moved and seconded to approve the October 24, 2017 Regular Meeting Minutes, as amended.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins
Nays: None
Abstain: None
Absent: None

2. Warrants

- a. Fund 67 – Agricultural Fund
- b. Fund 68 – Municipal & Industrial Groundwater Fund
- c. Fund 70 – Administration Fund
- d. Fund 71 – Water Supply Fund
- e. Fund 91 – Vehicle Fund
- f. Fund 94 – Municipal & Industrial Fund
- g. Summary
- h. Short Names/Acronym List
- i. SEWD Vehicles & Heavy Equipment

President McGurk reported on a typo on the expense on page 9, line item 5 for Association of California Water Agencies for 2018 annual ACWA agency dues 04/01/18-12/31/18 prepaid in the amount of \$16,359.44 stating the 13 should read as a “12”. Manager Moody agreed.

Director Sanguinetti inquired on the expense on page 16, line item 32 for United Rentals North America Inc. for repair of controls on rental Ditch Witch on Tank T-2 project in the amount of \$473.81. District Engineer Lee replied staff broke a piece of the equipment and had to replace it, while using it to clean the trough for the new pipes for the T-2 Tank.

Director Atkins inquired on the expense on page 15, line item 1 for Bills Mower and Saw for parts and labor to repair and service Walker mower in the amount of \$411.02. Manager Moody replied this is the District's mower that needed repairs to be functional. President McGurk inquired if Walker is the brand name. Manager Moody replied yes.

A motion was moved and seconded to approve the October 31, 2017 Warrants, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins
Nayes: None
Abstain: None
Absent: None

3. Bank of the West – Proposal Presentation (Reserved Funds)

Manager Moody provided the Board with a proposal from Bank of the West for the District's Reserved Funds. Jacob Gunter provided the Board a presentation on the District's options to store the reserved funds. Mr. Gunter reported the information provided shows non-restricted funds, which helps grown money in a conservative fashion. If the Board choose to put the reserved funds in a CD Ladder, the funds would all be FDIC insured and the CD's renew every 6-months. Mr. Gunter reported staff would meet with him twice a year to look at current rates and make adjustments if necessary. Evaluating the funds semi-annually would help the District take advantage of longer-term rates, but allow liquidity to be available in the short term.

Manager Moody reported the reserved funds discussed are the Other Post – Employment Benefits (OPEB) funds, which consist of ~\$2 million. Manager Moody advised what the District has received ~0.24% - 0.72% in returns from the County from 2012-2017. Mr. Gunter explained the CD Ladder averages a return of ~1.75% that is FDIC insured. Performance on the CD's will exceed what has been received from the County over the last 5-years.

Director Watkins advised that the County used to have a good return on investment. Manager Moody replied the County invests in different areas, then takes an overhead cost of the top and gives the remainder to the District.

Director Watkins reported staff should research bring back to the Board. Manager Moody advised staff will bring their recommendation to the Board.

President McGurk inquired if the FDIC has insurance limits. Mr. Gunter replied it is \$250,000 per financial institution. The CD's would be split over multiple institutions and not housed at one bank. This item was for information only.

4. Auburn Dam Council Presentation

Manager Moody provided the Board with information from the Auburn Dam Council. Ken Payne, Chairman of the Auburn Dam Council spoke to the Board about the Water Storage Investment Concept Paper. Discussion focused on the Auburn Dam and the concept paper for the California

Water Commission for Proposition 1 water storage investment funding. Mr. Payne reported the Auburn Dam Council has not submitted the paper to the Water Commission.

Mr. Payne reported the Auburn Dam Council will be meeting with Congressman McClintock's office to discuss the next steps with this paper. Originally, the Auburn Dam Council was looking to use the Folsom South Canal to bring water to San Joaquin County, however, due to flow requirements in the American River, which may not be possible. Mr. Payne reported they might however be able to bring water from Freeport to the County.

Mr. Payne reported the United State Bureau of Reclamation (USBR) wants to see a local sponsor on this paper, in conjunction with the Auburn Dam Council. Due to the need of a local sponsor, the Auburn Dam Council thought it best to create a Joint Powers Agreement (JPA). Manager Moody inquired what caused the Auburn Dam storage project to stop. Mr. Payne replied the seismic concerns of the Oroville earthquake in 1975. Since that time, the Auburn Dam Council has been advised that seismic concerns are not an issue for Auburn Dam. The Dam has been using concrete gravity, which will compensate for a certain amount of movement due to an earthquake.

Mr. Payne reported the estimated cost to build the project is ~\$4-6 billion. The storage project would be located south of the City of Auburn on the North Fork of the American River. The water sources would be the American River Watershed. Mr. Payne reported the facilities would include: a reservoir, of as much as 2.3 million AF; a hydroelectric power production facility, with a capacity of as much as 800 megawatts; flood protection capacity for the Sacramento Region to reach at least the 400-year flood event; and a variety of recreational activities, with year-around boating facilities available. Mr. Payne reported this project would allow Folsom Reservoir to remain full at all times, which is critical to meet the requirements of the Biological Opinions (BiOps) and to stabilize the Lower American River.

Mr. Payne reported the public benefits of this project include, ecosystem improvements that would furnish an adequate supply of water to maintain fresh water for Delta ecosystems and fisheries; water quality improvements that will help to offset climate-change induced loss in snowpack; flood control, making Folsom Reservoir able to provide a critical supply of water in the event of seismically-induced levee failures in the Delta; convenient access to adequate water supplies for battling regional wild fires; and recreational purposes.

President McGurk inquired if Mr. Payne intends to present to other agencies in San Joaquin County. Mr. Payne replied yes, he recently met with Peter Rietkerk, South San Joaquin Irrigation District and has met with Supervisor Winn. Brandon Nakagawa added the County is a member of the current JPA for the American River Authority. Mr. Nakagawa advised the Advisory Water Commission should hear from Mr. Payne.

Director Cortopassi inquired if Mr. Payne has reached out to any water agencies in Southern California. Mr. Payne replied not yet. The Auburn Dam Council is relying on other Districts to help spread the word to each other.

5. Irvine Ranch Water District – Request for Support of Board Member Steven E. LaMar to Serve as Association of California Water Agencies Vice President (2018-2019 Term)
Manager Moody provided the Board with information from Irvine Ranch Water District – Request for Support of Steven E. LaMar to serve as the Vice President of Association of California Water Agencies (ACWA) for the 2018/2019 Term.

Director McGurk inquired if Consultant Barkett has any comments as Mr. LaMar is the Chair of ACWA's Federal Affairs Committee. Consultant Barkett replied there is nothing negative about Mr. LaMar, he is not a forceful leader.

President McGurk queried the Board if they would like to support the nomination for Mr. LaMar. The consensus of the Board was to remain non-committal at this point.

6. Cancellation of November 28, 2017 Stockton East Water District Regular Board Meeting
Manager Moody provided the Board with a draft cancellation notice for the November 28, 2017 Stockton East Water District Regular Board of Directors Meeting. Consensus of the Board was to cancel the November 28, 2017 Regular Board Meeting.
7. New Hogan System Operations Projections
Manager Moody provided the Board with information on the New Hogan System Operations Projections. Manager Moody reported he spoke with Marchia Bond with the United States Army Corps of Engineers (USACE) and staff has revised New Hogan Storage Projections to show a 15% encroachment. Manager Moody sent Ms. Bond the New Hogan Storage Projections and she advised the USACE will be proceeding using these numbers, however, if there are changes due to weather she will discuss with Doug Demko, FishBio, to determine how to proceed.

Manager Moody reported per the Habitat Conservation Plan (HCP), the District will identify the remaining water at the end of the year and consult with the fisheries on how to release the water.

Director Watkins inquired if the fish pulse flows on the Stanislaus River go above 1,500 cfs. Legal Counsel Zolezzi replied yes. Director Watkins stated the Calaveras River capacity should be much lower than that of the Stanislaus River and perhaps, the pulse flow is elevated too high. It would be better to allow passage at a longer time. Once the river drops below 350 cfs, it becomes unpassable. Manager Moody advised he will inquire with Ms. Bond if they can have a lower maximum release, but with a longer time-frame.

Director Cortopassi inquired why the releases are so minimal in November. Manager Moody replied the USACE wants the increase of pulse to attract the fish, with a slow decrease.

Director Cortopassi inquired if staff leaves the dam at Mosher Slough installed to allow water to flow down Mosher, would staff be able to remove the dam in a moment's notice if need be. Manager Moody replied yes. This item was for information only.

E. COMMITTEE REPORTS

1. San Joaquin Farm Bureau Federation – Water Committee Meeting, 10/24/17
Directors Sanguinetti and Watkins and Manager Moody attended the October 24, 2017 San Joaquin Farm Bureau Federation – Water Committee Meeting. Director Sanguinetti reported Jim Stone, San Joaquin County, spoke about maintaining the channels. Mr. Stone provided reasons as to why they cannot be maintained due to lack of funding. Manager Moody reported the County would need to obtain a permit anytime they would need to go into non-project portions of waterways, even if it is just to clean. The County reported it is the landowner's responsibility to take care of the waterways. You must have a permit to clean-up the waterways and much follow guidelines within that permit to clean. The next meeting is scheduled for November 28, 2017.

F. REPORT OF GENERAL MANAGER

1. Water Supply Report as of 10/30/17

Manager Moody provided a handout of the Water Supply Report for information only that included storage, release, and production data collected from various sources as of midnight last night.

There is 193,939 AF in storage at New Hogan Reservoir. Current releases are set at 61 cfs. There is 2,001,455 AF in storage at New Melones Reservoir. Current release at Goodwin Dam to Stanislaus River are set at 1,312 cfs and release to all water users are set at 1,320 cfs. The water treatment plant is currently processing 25 mgd. The City of Stockton is currently processing 19 mgd.

2. Information Items:

Manager Moody noted items: F2a-1, F2a-2, F2a-3, F2a-4 and F2a-5.

3. Report on General Manager Activities

a. Public Policy Institute of California (PPIC) – Groundwater Recharge Survey Workgroup Meeting, 10/30/17

District Engineer Lee attended the October 30, 2017 Groundwater Recharge Survey Workgroup Meeting. District Engineer Lee reported they would like to see storage exchanges and transfers within the Southern Central Valley, however there are environmental regulations and water right issues that are hampering this process. Manager Moody reported these are the same issues the ACWA Subcommittee has by trying to define excess water and when it can be diverted, without having to go through a 5-year regulatory process.

G. DIRECTOR REPORTS

1. Water Treatment Plant Tour – Assembly Member Flora, 10/30/17

Directors Atkins, Cortopassi, McGurk, Sanguinetti, Watkins and Manager Moody attended the October 30, 2017 Water Treatment Plant Tour with Assembly Member Flora. President McGurk reported Assembly Member Flora's philosophies mirror the District's and he has an Ag Background. Assembly Member Flora is looking for moderate Democrats that Republicans can work cohesively with. President McGurk reported there was discussion on the general urban areas, like, the Bay Area and coastal valleys that that do not understand the central valley. Assembly Member Flora is hopeful those areas are willing to become more knowledgeable about the central valley. Manager Moody reported Assembly Member Flora stated the two biggest threats at this time are the State Water Resources Control Board and the California Air Resources Board. President McGurk reported there was discussion on legislation and the District's ability to approach Assembly Member Flora in the future about legislation.

President McGurk and Director Cortopassi attended a vendor appreciation lunch hosted by Mid Valley Ag. President McGurk advised staff reach out to John Fugazi a Linden Farmer, who mentioned he has a 10-acre pond between Mosher Creek and the Calaveras River, of which the District may use. Manager Moody advised staff will make contact to look at the land and determine if the District can utilize the space.

H. COMMUNICATIONS (None)

I. AGENDA PLANNING/UPCOMING EVENTS

1. Delta Stewardship Council, Open House for Release of Draft Program Environmental Impact Report for the Proposed Delta Plan Amendments, 4:00 p.m., 11/01/17

2. Delta Stewardship Council, Open House for Release of Draft Program Environmental Impact Report for the Proposed Delta Plan Amendments, 10:00 a.m., 11/02/17
3. ACWA Region 4 Board Strategic Workshop, 12:00 Noon, 11/02/17
4. Greater Stockton Chamber of Commerce Monthly Mixer – Children’s Museum of Stockton, 5:15 p.m., 11/02/17
5. Stockton Area Water Suppliers Meeting, 3:00 p.m., 11/06/17

J. REPORT OF THE COUNSEL

1. Closed Session – Potential Litigation
Government Code 54956.9 (c) – one case

President McGurk adjourned the meeting to closed session at 1:36 p.m. to discuss closed session agenda items. The regular meeting reconvened at 1:46 p.m., with no reportable action.

J. ADJOURNMENT

President McGurk adjourned the meeting at 1:47 p.m.

Respectfully submitted,

Scot A. Moody
Secretary of the Board

tbc

Agenda Item: D-2
Date: 11/07/17



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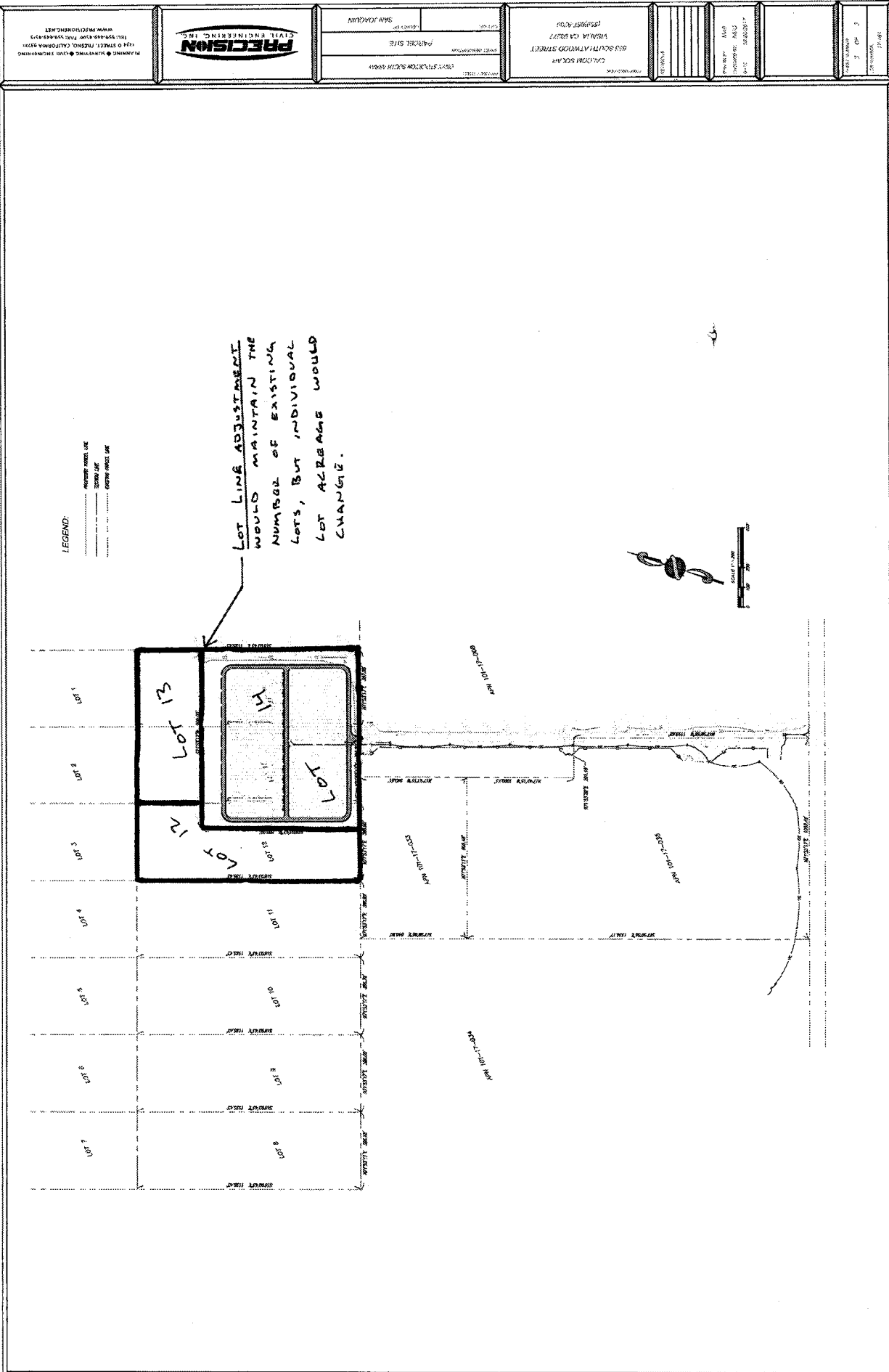
Memorandum

To: Scot A. Moody, General Manager
From: Juan Vega, Finance Director
Date: 11/02/2017
Re: Updated Schedule for Budget Adoption – FY2018-2019

We propose the following timetable for formulating and adopting the District's Annual Budget for Fiscal Year 2018-2019. This timetable will insure the timely adoption of the budget and compliance with the District Act, Second Amended Contract, and Settlement Agreement.

<u>Date:</u>	<u>Activity:</u>
October 16-20 <i>Monday-Friday</i>	Review Draft Budget with Staff - Done
October 23 <i>Monday</i>	Send Draft Budget to Urban Contractors per the Settlement Agreement - Done
November 06 <i>Monday</i>	Review Draft Budget with Urban Contractors
November 7-17 <i>Tuesday-Friday</i>	Review Draft Budget with Board of Directors' Committee(s)
December 2 <i>Saturday</i>	Annual Budget Notice of Hearing Publication – The Stockton Record
December 12 <i>Tuesday</i>	Annual Budget Public Meeting/ Board Approval

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**SEWD BASE MONTHLY PAYMENTS - RECAP
BY URBAN CONTRACTORS THROUGH 10/31/17
FISCAL YEAR 2017-2018**

BMP DUE	City of Stockton	CalWATER	Lincoln Village	Colonial Heights	Total
2017					
April	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
May	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
May Interest Penalty On Previous FY Balance	9,915.54	-	-	-	9,915.54
June	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
July	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
August	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
September	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
October	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
November	893,427.73	757,190.02	37,927.54	12,911.57	1,701,456.86
December					
2018					
January					
February					
March					
Total BMP Due from UCS	7,157,337.38	6,057,520.16	303,420.32	103,292.56	13,621,570.42

PAYMENTS MADE for FY 2017-2018

2017					
April	510,481.66	1,071,123.56	57,537.35	15,223.91	1,654,366.48
May	510,481.66	1,071,123.56	57,537.35	15,223.91	1,654,366.48
June	510,481.66	1,071,123.56	57,537.35	15,223.91	1,654,366.48
Additional Payment for April - June	-	141,454.81	-	-	141,454.81
Additional Payment - Interest Penalty	-	9,915.54	-	-	9,915.54
July	510,481.66	1,701,456.87	57,537.35	15,223.91	2,284,699.79
August	510,481.66	1,701,456.87	57,537.35	15,223.91	2,284,699.79
September	510,481.66	1,701,456.87	57,537.35	15,223.91	2,284,699.79
October	510,481.66	-	57,537.35	15,223.91	583,242.92
October Additional	-	-	158,994.56	36,074.69	195,069.25
November	-	242,664.76	37,927.54	12,911.57	293,503.87
November Additional	-	-	59,374.44	13,910.36	73,284.80
December					
2018					
January					
February					
March					
Total Payments for the FY	3,573,371.62	8,711,776.40	659,057.99	169,463.99	13,113,670.00
NET AMOUNT DUE FROM / (DUE TO)	3,583,965.76	(2,654,256.24)	(355,637.67)	(66,171.43)	507,900.42

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**CALIFORNIA NEEDS NEW AND MODERN FLOW
APPROACHES TO SUPPLY WATER FOR CITIES AND RURAL
COMMUNITIES, FARMS, FISH, BIRDS AND RECREATION IN
THE 21ST CENTURY**

November __, 2017 (Draft November 1, 2017)

Water suppliers in every part of California call on the Governor and both the state and federal administrations to embrace a coordinated and modern 21st century approach to water management involving the Bay-Delta by providing reasonable protection for all beneficial uses of water. Water suppliers encourage a “*functional flow*” approach where every drop of water serves a specific and targeted beneficial use or multiple uses.

“Unimpaired Flows” Do Not Work for Modern California

Our statement today is compelled by the State Water Board’s efforts to pursue a rigid and scientifically outdated “unimpaired flow” approach that, if implemented, would significantly impact many other beneficial uses of water to the detriment of the state’s economy and the environment. This outdated approach is at the core of the State Water Board’s Phase I San Joaquin River Substitute Environmental Document (SED) and its recently released Phase II scientific basis report. These proposals, if implemented, would negatively affect every part of California.

In continuing to pursue this approach, the State Water Board:

- focuses on one beneficial use of water (instream flow for Delta fish) without regard to its statutory obligations and duty to balance and protect all beneficial uses of water in California, including water for drinking and sanitation for cities and rural communities, fire suppression, farms, cold water to sustain salmon, birds and wildlife along the Pacific Flyway, hydroelectric generation, and recreational opportunities.
- disregards the state policy for “One Delta, One Science” by ignoring the Delta Science Program and its conclusion that directing more water to a sterile and inhospitable rip-rapped channel in the Delta will not benefit fish or other aquatic species, regardless of how much water is applied.
- will deplete and thus lose the benefit of water storage (including carryover storage) in such a way that will create greater risk for all beneficial uses during dry years, such as 2014-15, particularly under various climate change scenarios evaluated by the state administration.
- is paving the way for decades of acrimony in California water by threatening an adjudication of the entire Bay-Delta watershed, which in turn, would halt ecosystem restoration and progress on California’s priority water issues in the Water Action Plan.

We support California's co-equal goals of protecting, restoring and enhancing the Delta ecosystem and providing more reliable water supplies for California. "Unimpaired flow" fails to benefit either of these coequal goals. It is a continuation of the narrow flow-only approach for the past twenty years in the Delta that has clearly failed to provide benefits for either of California's co-equal goals as fish have declined in the Delta and water supply reliability is suffering in every part of the state. Like earlier flow-only approaches, "unimpaired flow" fails to take into account the altered physical landscape in California and our highly managed water system, which must be addressed in combination with appropriate hydrology to protect and balance all beneficial uses of water. It is time for a change in approach.

California Should Embrace a Modern, Functional Flow Approach for 21st Century California

Together, the water suppliers embracing this statement serve water for 39 million people, the safest and most productive agricultural economy in the world, the wildlife refuges and ricelands that serve birds and wildlife along the Pacific Flyway, hydro-electric generation, recreation and many other beneficial uses of water. We are actively implementing progressive and innovative 21st century water management to serve nearly every beneficial use of water in California. To support these efforts throughout California, we need state and federal agencies to also embrace a practical and progressive approach that will empower 21st century water resources management. These initiatives are consistent with the Governor's Water Action Plan and will, unlike the unimpaired flows approach, create positive, transformative change in the management of California's water resources.

The Natural Resources Agency's Resiliency Strategies, for both smelt and salmon, are prime examples of this progressive approach. The Resiliency Strategies pursue a new and innovative path to improve conditions for fish using scientifically based conceptual models to advance habitat and nourishment by connecting water and land with functional flows. Unlike unimpaired flows, these programs can be achieved without negatively affecting other beneficial uses. We support this new path and implore the state and federal administrations to build upon the successes in the Resiliency Strategies by pursuing the following actions:

- Advance the landscape scale ecosystem improvements that are being implemented in many parts of the Central Valley to restore ecological functions to California's highly-altered landscape. These programs include: (i) the numerous actions underway and planned for Eco-Restore, (ii) the Yolo and Sutter Bypasses, (iii) the San Francisco Estuary Institute's (SFEI) Delta Renewed, and (iv) the various Fish-Food Programs in the bypasses, ricelands and other managed wetlands in the traditional floodplain. The modern, scientific, approach in all of these programs--to spread water out and slow it down--is the approach recommended by the leading scientists at the Delta Science Program and the University of California, and better matches the ecosystem functions in which the Bay-Delta species evolved. Importantly, this is a fundamentally different approach than mandating unimpaired flows, where water is evacuated from storage throughout California, and quickly conveyed by a sterile, inhospitable channel through

the Delta. This latter approach has caused fish declines and makes California more vulnerable for the next drought.


- Fully evaluate the nearly 1.3 million acre-feet (maf) of water that has been redirected annually to Delta outflow over the past two decades, largely through the 2008 and 2009 OCAP Biological Opinions and State Water Board Decision 1641. With the current flow-only regime failing for fish and wildlife, and water supply reliability, an adaptive management approach would suggest that the state and federal agencies evaluate and then re-purpose this water to more effectively benefit fish and wildlife beneficial uses, and other beneficial uses of water. This should be done in the context of co-equal goals and directing water for more functional and targeted flows connected to land as part of Delta Renewed and the other landscape scale ecosystem programs.
- Further develop the opportunities and mechanism for water acquisitions and re-operations to help balance supply and demand, and provide water for the Delta Smelt Resiliency Strategy's "Outflow Augmentation" section.

For the past several decades, the State Water Board has employed unimpaired flows to halt the decline and help restore the Bay-Delta ecosystem. In that time, fishery populations have continued to decline, notwithstanding the ever-greater quantities of water directed at "solving" the problem. In the Water Action Plan, the administration committed itself to seeking transformative change by embracing new science and re-thinking old assumptions. The programs described above come directly from the Water Action Plan and the Natural Resources Agency has seen the way that these programs have galvanized a wide variety of stakeholders to collaborate to restore the ecosystem.

California is one of the most progressive parts of the world and California's citizens deserve a modern and innovative, 21st century water management approach to support and reasonably protect all beneficial uses of water throughout California. We welcome the opportunity to discuss these modern approaches.

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Memorandum

To: Scot Moody – General Manager 
From: Michael Johnson – Assistant General Manager
Cathy Lee – District Engineer
Jim Wunderlich – Water Treatment Plant Manager
Jason Mathews – Chief Plant Operator
Aaron Riojas – Water Supply Supervisor
Chris Donis – Water Supply Supervisor
Date: 11/1/2017
Re: Water Supply Operations

INTRODUCTION

In the last couple of weeks, several issues on both the New Hogan and New Melones water supplies have converged that all require attention during the month of November. These issues, listed in order of priority, include:

1. Chemical Dosage Testing for TOC Reduction on New Hogan Water
2. Bellota (54") Pipeline Repair
3. Bellota Trash Rack Repair
4. ACE Farmington Dam Inspection
5. Stop Bar and Seal Installation on Radial Gates
6. Upper Farmington Canal (UFC) Slide Area Repair
7. Other water demands

TOC Reduction Testing

As a result of our research with WQTS following through on the TOC Reduction Study, we identified Potassium Permanganate and an Aluminum Chloro-Hydrate (ACH)/Polymer blend as the most promising treatment plant additives. We need 5 – 6 weeks of 100% New Hogan water to test a variety of injection points, dosages and combinations to determine the optimum treatment approach. This approach reflects an expansion of our focus on turbidity reduction to include TOC reduction. The results of this testing will determine optimum injection points, develop optimum dosages and combinations for varying water quality, and specify necessary plant modifications to achieve TOC reduction while maintaining turbidity reduction performance. The testing period started on November 1.

Bellota Pipeline Repair

On Saturday, October 28, we discovered a substantial break in the 54" Bellota Pipeline about ¼ mile west of Jack Tone Road. Excavation to inspect the damaged pipeline will start on November 6. The New Hogan water supply will be diverted into the Peters Pipeline until repairs can be completed. The current estimate to complete repairs is 2 – 3 weeks, depending on weather and the extent of damages. During this time, if demand exceeds supply, we will stop percolating first, and then use our own extraction wells to supplement supply. As a last resort, we could open New Melones and forego the planned repairs in the UFC and Radial Gates.

Bellota Trash Rack Repair

The Bellota Trash Rack repair consists of removing the trash rack rake, drive chains, and gearboxes, fabricating some parts and ordering others, and reassembling the rakes and drives. This work is under contract with MarTech and estimated to take 4-6 weeks. The field work (removal of parts and reassembly) can only be done when New Hogan flows are minimal (less than 80cfs). While the parts are removed, the automatic rake on the Bellota Trash Rack will be inoperable. Daily cleaning of the trash rack by hand will be required for the duration of this down time. Weather conditions may impact schedule, depending on flood releases. This work is scheduled to start November 6.

ACE Farmington Dam Inspection

The Army Corps of Engineers conducts a bi-annual inspection of Farmington Dam that requires no flow from New Melones. The inspection is scheduled for November 6 and is expected to be completed within 1 day.

Stop Bar and Seal Installation on Radial Gates

The last remaining step in the Radial Gates Rehabilitation project is to install a stop bar and seal on each gate to prolong their service life. This work can only be done while New Melones water is off. This work will need 2-3 days and could start as soon as November 20, depending on completion of the Bellota Pipeline Repair.

UFC Slide Area Repair

In February of this year, a section of the UFC suffered flood damage that included sloughing of the UFC north bank. We need to repair the bank while New Melones water is off. This work will need 2-3 weeks and could start as soon as November 27; depending on weather, completion of the Bellota Pipeline Repair, and completion of the Stop Bar and Seal Installation.

Other Water Demands

In addition to the water demands (such as treatment plant production, flood releases/pulse fish flows, etc.) of the issues described above, one irrigator on Potter Creek has requested an additional irrigation. Although irrigation season officially ended October 15, prompting the removal of all irrigation dams, we will try to accommodate such requests whenever feasible.

Summary

The following page shows a projected schedule of all events described in this memo, with the exception of the reassembly work for the Bellota Trash Rack Repair. This event requires a minimum flow from New Hogan, and will be scheduled depending on weather and potential flood releases from New Hogan.

November 2017

Water Supply Schedule

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Oct 30	Oct 31	1	2	3	4	5
		Start WTP TOC Reduction Testing Program	Switch over Bellota to Peters pipeline Set up 12" Pump at Farmington Dam	Start dewatering Basin at Farmington Dam. Plastic at Bellota site, UFC slide area	Mike's weekend	Mike's weekend
6	7	8	9	10	11	12
ACE Farmington Dam inspection Start 54" Bellota pipe Excavation Remove Bellota trash rack rake parts.		Plan Bellota Pipe Repair		Dewater 54" Bellota Pipe	Malcolm's weekend	Malcolm's weekend
13	14	15	16	17	18	19
Start 54" Bellota Repair	Open PC2 6000gpm for Machado 100cfs Hogan	150 cfs Hogan	150 cfs Hogan	Complete Bellota Repairs 150 cfs Hogan	Christian's weekend 800cfs Hogan	Christian's weekend 1200cfs Hogan
20	21	22	23	24	25	26
Start Installation of Stop Bars and Seals on Radial Gates 1000cfs Hogan	1200cfs Hogan	Complete Radial Gates Rehabilitation 1000cfs Hogan	950 cfs Hogan	950 cfs Hogan	Phil's weekend 750 cfs Hogan	Phil's weekend 600cfs Hogan
27	28	29	30	Dec 1	Dec 2	Dec 3
Start slide area repairs 500 cfs Hogan	400 cfs Hogan	250 cfs Hogan	150 cfs Hogan	Restart New Melones		

Treatment plant will be testing chemicals on 100% Hogan water for 5 weeks starting 11/1/17 Wed

Weekly Water Report		
	As of: Oct. 30, 2017	As of: Nov. 06, 2017
New Hogan (NHG) TOC	235,952	AF
Storage:	193,939	AF
Net Storage Change:	-772	AF
Inflow:	10	CFS
Release:	61	CFS
New Melones (NML) Allocation	75,000	AF
Storage:	2,001,455	AF
Net Storage change:	-13,754	AF
Inflow:	353	CFS
Release:	1,398	CFS
Source: CDEC Daily Reports		

Goodwin Diversion (GDW)		
Inflow (Tulloch Dam):	1,376	CFS
Release to Stanislaus River (S-98):	1,312	CFS
Release to OID (JT Main):	8	CFS
Release to SSJID (SO Main):	0	CFS
Release to SEWD:	<u>0</u>	CFS
Total Release	1,320	CFS
Source: Tri-Dam Operations Daily Report		
Farmington Dam (FRM)		
Diverted to SEWD:	0	CFS
Diverted to CSJWCD:	3	CFS
Source: USACE WCDS Hourly Report		

Surface Water Used		
Irrigators on New Hogan:	0	
Irrigators on New Melones:	0	
DJWWTP Production:	25	MGD
North Stockton:	0	MGD
South Stockton:	5	MGD
Cal Water:	20	MGD
City of Stockton DWSP Production:	19	MGD

District Ground Water Extraction		
74-01	0	GPM
74-02	0	GPM
North	0	GPM
South	0	GPM
Extraction Well # 1	<u>0</u>	GPM
Total Well Water Extraction	0	GPM

Note: All flow data reported here is preliminary and subject to revision.

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Region 4
Strategic Planning Meeting Agenda

November 2, 2017
12:00 noon

Type of Meeting: Strategic Planning for Region r 2018-2019

Meeting Facilitator: Pam Tobin

Invitees: Pam Tobin, Mark Emmerson, Bryan Busch, Tom McGurk, John Mensinger, Kristin Sicke, Dan York, Rob Roscoe, Mike Hardesty, Robin Adams, John Woodling, Greg Zlotnick

I. Topic Issues for Consideration

- a) Safe Drinking Water
- b) Water Conservation
- c) Lead Testing
- d) Remediated water to serve the public (opinions and push backs)
- e) Cal Water Fix
- f) Groundwater SGMA's
- g) Water Transfers (i.e. intra-regional and state wide)
- h) Water Bank
- i) One Water Master in CA (State CVP- changing Custodians)
- j) Water Management (out regulate the regulators/community systems)
- k) Consideration of other ideas (see attached from Mark Emmerson)

II. Adjournment

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Please join us at our November Networking Mixer hosted by Children's Museum of Stockton on Thursday, November 2, from 5:15 to 7:15 PM. It's sure to be an evening full of networking opportunities with local professionals, a raffle, fantastic drinks, and great food. We hope to see you there as this evening is free to attend so mark your calendars now!

A photograph of the exterior of the Children's Museum of Stockton. Two large, colorful nutcracker figures are the central focus. One is red and white, holding a drum, and the other is blue and white, holding a trumpet. They are standing in front of a white building with a colorful mural. The sky is blue with some clouds.

Join Us On
**NOVEMBER
2ND**
5:15 TO 7:15 PM

November Networking Mixer
CHILDREN'S MUSEUM OF STOCKTON
402 W. Weber Ave
Stockton, CA 95203

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