



REGULAR BOARD MEETING

SEPTEMBER 26, 2017



STOCKTON EAST WATER DISTRICT

PROVIDING SERVICE SINCE 1948

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, SEPTEMBER 26, 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 Watkins) & Roll Call**
- B. Consent Calendar (None)**
- C. Public Comment (Non-Agenda Items)**
- D. Scheduled Presentations and Agenda Items**
 - 1. Minutes 09/19/17 Regular Meeting 01
 - 2. Warrants – California Public Employees' Retirement System 05
 - 3. Preliminary Base Monthly Payment – Fiscal Year 2018/2019
 - a. Public Hearing 07
 - b. Resolution No. 17-18-09 – Setting the Preliminary Base Monthly Payment for Fiscal Year 2018/2019 09
 - 4. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority – Groundwater Sustainable Plan Payment Options (09/13/17 Meeting Handout) 17
 - 5. Eastern San Joaquin County Groundwater Banking Authority (GBA) – Membership Refund for 2015/2016 Dues, 09/14/17 23
- E. Committee Reports**
 - 1. San Joaquin County Flood Control and Water Conservation District Advisory Water Commission Meeting, 09/20/17 25
 - 2. Stockton Area Water Suppliers Meeting, 09/25/17

F. Report of the General Manager

1. Water Supply Report as of 09/18/17 55
2. Information Items
 - a. Material Included, but Bound Separately from Agenda Packet:
 1. California Established Annual Water Professionals Appreciation Week, ACWA News, 09/20/17
 2. Key District Rejects Delta Tunnels Plan, The Stockton Record, 09/20/17
 3. Legislature Acts On Bills Affecting Farmers, Ranchers, AgAlert, 09/20/17
 4. San Joaquin Valley Farmers Think Sacramento Water Agencies Should Help For Delta Tunnels, The Sacramento Bee, 09/18/17
 5. This Just In...Assemblyman Gray Secures Rare Victory For Water Rights Holders, Maven's Notebook, 09/16/17
 6. Water District Has Busy Meeting, The Linden Herald, 09/07/17
 3. Report on General Manager Activities
 - a. Alternative Plan for SB 88 (Measuring Diversions) Meeting, 09/21/17
 - b. ACWA Workgroup Webinar – AB 1427 Water: Underground Storage (2017-2018), 09/26/17

G. Director Reports

H. Communications

1. East Bay Municipal District's 24th Annual Pardee BBQ, 10/06/17 57
2. Request for Signature on Assembly Bill 313 (Gray) – Water Rights Fairness, Dated 09/21/17 59

I. Agenda Planning/Upcoming Events

1. San Joaquin Farm Bureau Federation – Water Committee Meeting, 5:30 p.m., 09/26/17
2. AD HOC Technical Review Committee Meeting for the Sustainable Groundwater Management Act Work Group, 2:00 p.m., 09/27/17

J. Report of the Counsel

1. Closed Session - Potential Litigation
Government Code 54956.9 (c) – two cases

K. Adjournment

Certification of Posting

I hereby certify that on September 21, 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 September 21, 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.

THIS PAGE
INTENTIONALLY
LEFT BLANK

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, SEPTEMBER 19, 2017 AT 12:00 NOON

A. PLEDGE OF ALLEGIANCE AND ROLL CALL

President McGurk called the regular meeting to order at 12:19 p.m., and Administrative Clerk Curtis 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, Finance Director Vega, District Engineer Lee, 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 09/12/17 Regular Meeting

A motion was moved and seconded to approve the September 12, 2017 Regular Meeting Minutes, as presented.

Roll Call:

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

2. Warrants

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

A motion was moved and seconded to approve the September 19, 2017 Warrants, as presented.

Roll Call:

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

3. JWT and Associates, LLP – Certified Public Accountants – Draft Audited Financial Statements Fiscal Year 2016/2017

Manager Moody provided the Board with the Draft Audited Financial Statements for Fiscal Year 2016/2017 from JWT and Associates, LLP. Manager Moody advised Jeremy Ware provided the Board with a presentation at the last Regular Board Meeting. There have been no comments received by the Board; staff is requesting the Board accept the Draft Audited Financial Statements.

A motion was moved and seconded to accept the Draft Audited Financial Statements for Fiscal Year 2016/2017, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nayes: None

Abstain: None

Absent: None

E. COMMITTEE REPORTS

1. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting, 09/13/17

Directors Panizza and Watkins, Manager Moody and District Engineer Lee attended the September 13, 2017 Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting. Director Panizza reported the minutes of the last meeting were presented and approved and Mark Williamson, GEI Consultants, Inc. (GEI) gave a presentation on the Baseline Options for Allocation of Costs of the Groundwater Sustainability Plan (GSP). Director Panizza reported the group recently discussed how to divide payment amongst all Groundwater Sustainability Agencies (GSAs) to pay for the GSP. Possible allocation of costs could be divided by acreage, population or split evenly among the 17 GSAs. Director Panizza reported that regardless of the allocation formula used, unless an even split, some GSAs will have more of a financial burden than others. Because Linden County Water District is such a small agency, dependent on the formula used, their contribution could be minimal compared to larger agencies. Director Watkins reported if the GSAs split the cost evenly it would be roughly ~\$88,235 per GSA; if split by population the City of Stockton would pay the most at ~\$693,453 and if split by acreage North San Joaquin Water Conservation District would pay ~\$289,397 and the District would pay ~\$195,428. Director Watkins reported it is most equitable to allocate the costs either by population or an even split. Director Panizza reported the objective is to get all parties on the same page for how this should be paid; otherwise, this will be a revolving topic moving forward at each meeting.

Director Atkins inquired which option the Authority was leaning towards. Director Watkins replied there was no consensus. Director Watkins reported the purpose of this meeting was to discuss the grant proposal to apply for Proposition 1 grant funding, however, the discussion focused on the actual GSP itself, which is essentially skipping past discussion on an essential step of the process. President McGurk inquired if there is a decision maker in the group. Manager Moody replied no, there must be consensus of the group to move forward on any decisions. Director Atkins inquired if the Authority has 2-years to decide how to proceed. Director Watkins replied, no. The Authority has 2-months to complete the proposal to submit for grant funding, if they do not meet the deadline, the Authority will have 2-years to complete the Plan without additional grant funding.

Director Panizza reported during the meeting Director Watkins asked the question of if all the money is not spent on the Plan will it be returned to the participating GSAs. The Department of Water Resources (DWR) responded by saying they do not return monies until everything is audited and the amount of money spent is evaluated, in addition to evaluating if the project has been demonstrated. Manager Moody reported he believes the discussion turned as it did because of the amount of information that was provided by Mr. Williamson in his presentation. Sight was lost on what the discussion was supposed to be versus what it actually was. Director Panizza reported the meeting ended without coming to any resolution and the deadline for submittal to the (DWR) is November 10, 2017. The next meeting is scheduled for October 11, 2017.

2. ACWA Federal Affairs Committee Meeting, 09/14/17

Consultant Barkett attended the September 14, 2017 ACWA Federal Affairs Committee Meeting. Consultant Barkett reported Timm Quinn was not in attendance, he will be returning in a month. Cindy Tuck provided an update on SB 623 (Monning), which included the Coalition letter signed by the agencies not in support of this bill. Manager Moody reported the status is now a 2-year bill. Consultant Barkett reported there was discussion on the ACWA Ag Committee and how the bylaws may change to accommodate the needs of this Committee. Consultant Barkett reported the Ag Committee would not take a position on anything, rather, make referrals to other Committees on their position. Consultant Barkett reported the headwaters legislation is moving to the Senate. There was discussion on HR 3387 – Drinking Water System Improvement Act of 2017. The City of Stockton is not historically defined as a low-income community; however, if 80% of household income is below the median, the City should qualify under HR 3387. Consultant Barkett reported the Committee still holds a watch position on the H.R. 23: Gain Responsibility on Water Act of 2017 (Valadao). The next meeting is scheduled for November 28, 2017.

F. REPORT OF GENERAL MANAGER

1. Water Supply Report as of 09/18/17

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 202,729 AF in storage at New Hogan Reservoir. Current releases are set at 157 cfs. There is 2,027,792 AF in storage at New Melones Reservoir. Current release at Goodwin Dam to Stanislaus River are set at 402 cfs and release to all water users are set at 1,425 cfs. The water treatment plant is currently processing 31 mgd. The City of Stockton is currently processing 26 mgd.

2. Information Items:

Manager Moody noted items: F2a-1, F2a-2, F2a-3, F2a-4, F2a-5 and F2a-6.

3. Report on General Manager Activities

Manager Moody commented on Consultant Barkett's report out of the potential ACWA Ag Committee, advising that none of the ACWA Committees have power to make decisions. They all provide their recommendations to the Board who have the final say. Manager Moody reported participation with this Committee would be advantageous for all Districts who have an Ag interest.

G. DIRECTOR REPORTS (None)

H. COMMUNICATIONS

1. Association of California Water Agencies – September 8, 2017 Regions 3 & 4 Joint Program Event Update
Manager Moody provided the Board with correspondence on the September 8, 2017 Regions 3 & 4 Joint Program Event. Manager Moody reported the event had lower turnout than budgeted and as a result, \$800 will be supplemented from Region 3 & 4 budgets to compensate ACWA for expenses related to this event. This item was for information only.

I. AGENDA PLANNING/UPCOMING EVENTS

1. San Joaquin County Flood Control and Water Conservation District Advisory Water Commission Meeting, 1:00 p.m., 09/20/17
2. California Special Districts Association – Annual Conference, Monterey, CA, 09/25/17 – 09/28/17
3. Stockton Area Water Suppliers Meeting, 3:00 p.m., 09/25/17

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 12:59 p.m. to discuss closed session agenda items. The regular meeting reconvened at 1:41 p.m., with no reportable action.

J. ADJOURNMENT

President McGurk adjourned the meeting at 1:42 p.m.

Respectfully submitted,

Scot A. Moody
Secretary of the Board

tbc

**STOCKTON EAST WATER DISTRICT
INVOICES FOR BOARD PACKAGE
CALPERS SPECIAL CHECK REQUEST
September 26, 2017**

Vendor name	District Account # Fund#	Description	Amount	Invoice No.
1 CA Public Employees Retirement System (Calpers)	70 10-5049-0	Retirement Contributions Payroll 09/08/17-Admn	4,533.59	09/08/17 1245106351
		Total Fund 70 Admin	4,533.59	
1 CA Public Employees Retirement System (Calpers)	71 10-5049-0	Retirement Contributions Payroll 09/08/17-WS-NM	3,006.37	09/08/17 1245106351
2 CA Public Employees Retirement System (Calpers)	71 10-5058-0	Retirement Contributions Payroll 09/08/17-WS-NH	963.05	09/08/17 1245106351
		Total Fund 71 Water Supply	\$ 3,969.42	
1 CA Public Employees Retirement System (Calpers)	94 10-5049-0	Retirement Contributions Payroll 09/08/17-M&I	11,695.35	09/08/17 1245106351
		Total Fund 94 Municipal & Industrial	\$ 11,695.35	
		Grand Total for Special Check Request on RBM 09/26/17	\$ 20,198.36	

Handwritten mark: a stylized 'N' or '2'.

THIS PAGE
INTENTIONALLY
LEFT BLANK

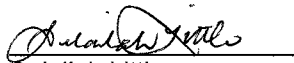
**THE RECORD
PROOF OF PUBLICATION**

STATE OF CALIFORNIA
COUNTY OF SAN JOAQUIN

THE UNDERSIGNED SAYS:

I am a citizen of the United States and a resident of San Joaquin County; I am over the age of 18 years and not a part to or interested in the above-entitled matter. I am the principal clerk of the printer of THE RECORD, a newspaper of general publication, printed and published daily in the City of Stockton, County of San Joaquin by the Superior Court of the County of San Joaquin, State of California, under the date of February 26, 1952, File No. 52857, San Joaquin County Records; that the notice of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published each regular and entire issue of said newspaper and not in any supplement thereof on the following dates,
To wit,
September 16 2017

I declare under penalty of perjury that the foregoing is true and correct. Executed on September 16, 2017 In Stockton California


Delailah Little,
The Record

0001103586

**NOTICE OF PUBLIC HEARING
BEFORE THE BOARD OF DIRECTORS OF THE STOCKTON EAST
WATER DISTRICT**

The Board of Directors of the Stockton East Water District will hold a public hearing on Tuesday, September 26, 2017 at noon, to consider the amount of the Preliminary Base Monthly Payment for the period April 01, 2018 to March 31, 2019, in accordance with Section 6D(1) of the September 25, 1987 contract among the Stockton East Water District, the California Water Service Company, the City of Stockton, the Lincoln Village Maintenance District, and the Colonial Heights Maintenance District, providing for the sale of treated water.

Said hearing will be held in the District
Office at 6767 East Main Street, Stockton, California.

SCOT A. MOODY, General Manager
Stockton East Water District

#1103586 9/16

THIS PAGE
INTENTIONALLY
LEFT BLANK

**RESOLUTION OF THE BOARD OF DIRECTORS
OF STOCKTON EAST WATER DISTRICT**

RESOLUTION NO. 17-18-09

SETTING A PRELIMINARY BASE MONTHLY PAYMENT
FOR PERIOD APRIL 1, 2018 TO MARCH 31, 2019,
PURSUANT TO THE SECOND AMENDED CONTRACT AMONG THIS DISTRICT
AND THE CALIFORNIA WATER SERVICE COMPANY, THE CITY OF STOCKTON,
THE LINCOLN VILLAGE MAINTENANCE DISTRICT,
AND THE COLONIAL HEIGHTS MAINTENANCE DISTRICT,
PROVIDING FOR THE SALE OF TREATED WATER

WHEREAS, on September 25, 1987, the Stockton East Water District entered into a Second Amended Contract among the California Water Service Company, the City of Stockton, the Lincoln Village Maintenance District, and the Colonial Heights Maintenance District, providing for the sale of treated water; and

WHEREAS, the Stockton East Water District pursuant to Section 6D(1) of the Second Amended Contract shall announce an estimated new base monthly payment on or before the first day of October annually and this estimated base monthly payment is subject to revision upon the adoption of the Stockton East Water District Annual Budget prior to December 15 of each year under Sec. 9.2(d) of the District Act; and

WHEREAS, the Board of Directors of the Stockton-East Water District has determined that the budgeted costs for the Contract period April 1, 2018 to March 31, 2019 should be as follows:

6A(1)	Debt Service	\$ 8,119,046
6A(3)	Operation & Maintenance	16,313,399
6A(4)	Administration	4,738,102
6A(7)	Payment into the Major Repair & Replacement Fund	35,000
6A(8)	Payment into the Water Treatment Facilities Reserve Fund	<u>100,000</u>
		\$29,305,547; and

WHEREAS, paragraph 6D(3) of said Second Amended Contract states that Stockton East shall annually levy a municipal groundwater assessment, pursuant to its enabling legislation such that the cost of groundwater use is equivalent to the cost of surface water use; and

WHEREAS, the preliminary 2018-2019 budget estimates the amount of \$29,305,547 to be paid from base monthly payments, municipal groundwater assessments and other revenue as follows:

Base Monthly Payments	\$19,086,339
Municipal Groundwater Assessments (14,100 AF X \$331.77)	4,677,957
Prior Fiscal Year BMP adjustment	5,295,751
Other Revenue	<u>245,500</u>
Total	\$29,305,547

NOW, THEREFORE, BE IT RESOLVED that pursuant to said Second Amended Contract, this Board hereby establishes the Preliminary Base Monthly Payment to be paid by the Contractors pursuant to said Contract for the period April 1, 2018 to March 31, 2019, at $\$19,086,339/12 = \$1,590,528.25$

PASSED AND ADOPTED by the Board of Directors of the Stockton East Water District on the 26th day of September 2017 by the following vote of the members thereof:

AYES:

NAYES:

ABSENT:

ABSTAIN:

DRAFT

Thomas McGurk, President

ATTEST:

DRAFT

Scot A. Moody
Secretary of the Board

**Stockton East Water District
Annual Budget Fiscal Year 2018-2019**

94 - M&I FUND		FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2018-2019 Budget
REVENUES				
WATER ASSESSMENTS REVENUE				
10-4120-0, 97	Income - City of Stockton	10,549,722	10,721,133	9,963,373
10-4121-0, 97	Income - California Water Service Co.	9,308,266	9,086,280	8,556,202
10-4122-0, 97	Income - Lincoln Village	502,407	455,130	434,807
10-4123-0, 97	Income - Colonial Heights	143,871	154,939	131,957
10-4131-0, 97	Income - GW Rate Equalizations	3,902,570	4,707,003	4,677,957
	TOTAL WATER ASSESSMENTS	24,406,837	25,124,485	23,764,296
OTHER REVENUES				
10-4301-0	Interest Income - M & I	83,084	3,000	3,000
10-4301-0, 97	Interest Income - Water Fund	8,383	2,500	2,500
10-4141-0, 97	Payment from CSJWCD	0	240,000	240,000
10-4701-0	Miscellaneous Income-M&I Fund	(297)	0	0
20-4099-0	Gain/Loss on Fixed Assets	(13,114)		
	TOTAL OTHER REVENUES	78,057	245,500	245,500
	REVENUES	24,484,894	25,369,985	24,009,796
	PLUS/(MINUS) BMP PRIOR YEAR ADJ	3,793,490	4,077,795	5,295,751
	NET TOTAL REVENUES	28,278,384	29,447,780	29,305,547
EXPENSES				
	TOTAL SALARIES AND BENEFITS	3,251,530	3,614,828	3,707,344
WATER SUPPLY COSTS				
10-5211-0	New Melones Contract Water-USBR	2,012,009	2,491,000	2,162,000
10-5211-0	Goodwin Dam Property Self Insurance	69,750	69,750	69,750
10-8041-0	Water Cost Allocation O&M NM	1,333,907	1,597,558	1,597,558
10-8041-0	Water Cost Allocation O&M NH	178,349	215,849	220,013
10-8031-0	Admin Division - Expense Allocation	2,696,212	4,549,882	4,738,102
	TOTAL WATER SUPPLY COSTS	6,290,226	8,924,039	8,787,423
OPERATIONS				
10-5301-0	Chemicals	920,306	1,000,000	1,000,000
10-5302-0	Electricity	894,755	1,300,000	1,100,000
10-5303-0	Natural Gas	7,903	9,000	9,000
10-5304-0	Utilities - Others (Bellota Headworks)	7,349	10,000	10,000
10-5305-0	Diesel and Oil (Backup Generators)	646	5,000	5,000
10-5306-0	Filter Media	928,354	550,000	1,100,000
10-5307-0	Laboratory Equipment and Supplies	28,598	23,000	35,000
10-5308-0	Analytical Services	12,290	25,000	20,000
10-5329-0	Sludge Disposal	58,933	370,000	370,000
10-5181-0	Vehicle Usage M&I	30,545	42,000	42,000
	TOTAL OPERATIONS	2,889,679	3,334,000	3,691,000

	94 - M&I FUND	FY 2016-2017 Actual	FY 2017-2018 Budget	FY 2018-2019 Budget
	MAINTENANCE			
10-5321-0	General Maintenance	89,364	150,000	150,000
10-5322-0	Electrical , Instrumentation & Controls	54,973	200,000	200,000
10-5323-0	Maintenance & Repair - Treatment Plant	59,957	810,000	810,000
10-5324-0	Maintenance & Repair - Plant Grounds	63,897	91,500	91,500
10-5325-0	Maintenance & Repair - Heavy Equipment	1,554	0	0
10-5326-0	Maintenance & Repair - Buildings	42,548	30,000	30,000
10-5327-0	Large Tools And Equipment	4,683	0	10,000
10-5328-0	Equipment Rental	15,443	15,000	15,000
10-5341-0	Protective Gear and Clothing	6,532	5,000	10,000
10-5342-0	Uniform and Laundry	9,006	10,000	10,000
10-5343-0	Tools and Equipment	11,879	29,000	20,000
10-5344-0	Treatment Plant Consumables	8,485	10,000	10,000
	TOTAL MAINTENANCE	368,322	1,350,500	1,356,500
	DEBT SERVICE			
10-5423-0	NM Debt Service - 1997 Series	962,210	926,900	926,988
10-8011-0, 97	2002A Interest Payment	471,075	405,275	335,450
10-8012-0, 97	2002A Principal Payment	1,400,000	1,470,000	1,535,000
10-5431-0	2002A Reimbursement - Fund 67	(363,316)	(364,131)	(364,131)
10-8013-0, 97	Transfer for 2002A Repair and Maintenance	35,000	35,000	35,000
10-8014-0, 97	Transfer for 2002B Interest Payment	2,600,824	2,766,990	2,883,713
10-8014-0, 97	Transfer for 2002B Principal Payment	1,948,685	1,823,010	1,706,287
	2005 Series - Principal -Balance Sheet	354,517	369,744	385,625
10-5402-0	2005 Series - Interest	168,549	153,322	137,441
	Transfer to Loan Repayment - State Revolving Fund	572,674	572,674	572,674
	TOTAL DEBT SERVICE	8,150,218	8,158,784	8,154,046
	TRANSFERS			
10-8021-0	Transfer to Bellota Fish Passage Project Fund 89	2,500,000	2,500,000	2,500,000
10-8021-0	Transfer Water Treatment Plant Reserve	100,000	100,000	100,000
10-8021-0	Transfer Out GWPS	1,280,645	1,465,629	1,009,233
	TOTAL TRANSFERS	3,880,645	4,065,629	3,609,233
	UNBUDGETED EXPENSES			
	Depreciation	1,022,955	0	0
	TOTAL EXPENSES	25,853,574	29,447,780	29,305,547
	NET REVENUES OVER EXPENSES	2,424,810	0	0

SCHEDULE A

STOCKTON EAST WATER DISTRICT PRORATION OF WATER COSTS - NEW HOGAN & NEW MELONES SYSTEMS FISCAL YEAR 2018-2019

ITEM	MUNICIPAL DIVISION									
	FUND 71	FUND 67		FUND 94		FUND 68				
	WATER SUPPLY	AG DIV.	%	TREATMENT PLANT	%	GWPS	%	CCWD	%	
NEW MELONES CONVEYANCE SYSTEM - Direct Expenses										
				-						
USBR (Ag = 4,500 AF @assumed \$37.00/AF)	166,500	166,500	100			-				
(GWPS = 4,500 AF @assumed \$37.00/AF)	166,500	-				166,500	100			
USBR (M&I water usage=47,000 af @ \$46.00/AF)	2,162,000			2,162,000	100					
NM - CONTRACT WATER COSTS	2,495,000	166,500		2,162,000		166,500		-		
GOODWIN DAM PROP. SELF INSURANCE	75,000	3,750	5	69,750	93	1,500	2	-		
NEW HOGAN CONVEYANCE SYSTEM - Allocated Expenses										
New Hogan - Salaries and Benefits	316,178	107,501	34	56,912	18	151,766	48	-		
USBR-New Hogan O&M	694,676	152,829	22	83,361	12	222,296	32	236,190	34	
Calaveras to Bellota	45,000	15,300	34	8,100	18	21,600	48	-		
Hogan Distribution	100,000	34,000	34	18,000	18	48,000	48	-		
Bellota Pipeline	45,000	-	0	45,000	100	-	0	-		
Vehicle Operation - NH	48,000	16,320	34	8,640	18	23,040	48	-		
New Hogan - O&M	932,676	218,449	34	163,101	18	314,936	48	236,190		
TOTAL NEW HOGAN O&M COSTS	1,248,854	325,949		220,013		466,702		236,190		
NEW MELONES CONVEYANCE SYSTEM - Allocated Expenses										
Salaries and Benefits	1,090,277	54,514	5	1,013,958	93	21,806	2	-		
Vehicle Operation	70,000	3,500	5	65,100	93	1,400	2	-		
General Maintenance	100,000	5,000	5	93,000	93	2,000	2	-		
NM - O & M	1,260,277	63,014	5	1,172,058	93	25,206	2	-		
Upper Farmington Canal	50,000	2,500	5	46,500	93	1,000	2	-		
Shirley/Hoods/Rock Creeks	-	-	5	-	93	-	2	-		
Lower Farmington Canal	200,000	10,000	5	186,000	93	4,000	2	-		
Goodwin Tunnel	-	-	5	-	93	-	2	-		
Goodwin Dam - O&M	100,000	5,000	5	93,000	93	2,000	2	-		
Peters Pipeline	100,000	-	0	100,000	100	-	0	-		
TOTAL NEW MELONES - O & M	1,710,277	80,514		1,597,558		32,206		-		
TOTAL ALLOCATED WATER COSTS	2,959,131	406,463		1,817,571		498,907		236,190		
TOTAL WATER COSTS	5,529,131	576,713		4,049,321		666,907		236,190		

ESTIMATED NEW HOGAN water usage:			Contract Water		SEWD Only	
AG	28,000 AF		22%		34%	
M&I	15,000 AF		12%		18%	
GWPS	40,000 AF		32%		48%	
CCWD (A)	4,000 AF		34%		-	
TOTAL	87,000 AF		100%		100%	
(A) 30,000 AF - Allocation per Agreement w/ CCWD						
TOTAL ESTIMATED NEW HOGAN WATER:						
Total Water Usage	87,000 AF					
System Loss(10%)	8,700 AF					
TOTAL	95,700 AF					
ESTIMATED NEW MELONES WATER:						
AG	4,500 AF	5%				
M&I	40,000 AF	45%				
GWPS	4,500 AF	5%				
CSJWCD	40,000 AF	45%				
TOTAL	89,000 AF	100%				

NEW MELONES CONVEYANCE FACILITY
NMCF Split based on Settlement Agreement= AG - 10%/ M&I - 90%
AG - (50% utilization x 10%) = 5%
M&I (50% utilization x 10%) = 5% + 88% = 93%
GWPS = 2%

SCHEDULE B

STOCKTON EAST WATER DISTRICT PRORATION OF EXPENSES - ADMINISTRATION DIVISION FISCAL YEAR 2018-2019

ITEM	BUDGET 2018-2019	AG DIVISION	%	M&I DIVISION	%
SALARIES AND BENEFITS ¹	1,629,068	195,488	12	1,433,580	88
BOARD EXPENSES	250,000	100,000	40	150,000	60
TRAINING AND EDUCATION	200,250	15,900		189,350	
Training and Education - Admin	20,000	2,400	12	17,600	88
Training and Education - AG	13,500	13,500	100	0	0
Training and Education - M&I	171,750	0	0	171,750	100
OFFICE SUPPORT	285,000	34,200	12	250,800	88
PUBLIC RELATIONS	232,000	1,200		225,800	
Water Conservation	217,000	0	0	217,000	100
Advertising and Public Relations	10,000	1,200	12	8,800	88
TECHNOLOGY EXPENSES	952,500	96,300		856,200	
Technology - Admin	652,500	78,300	12	574,200	88
Technology - Water Supply	150,000	18,000	12	132,000	88
Technology - WTP	150,000	0	0	150,000	100
PLANNING	270,000	32,400		237,600	
Planning Water Resources	270,000	32,400	12	237,600	88
Planning Water Treatment	0	0	0	0	100
PROFESSIONAL SERVICES	1,722,500	327,300		1,395,200	
Professional Services - Admin	452,500	54,300	12	398,200	88
Efforts to Secure New Melones Water	200,000	66,000	33	134,000	67
Efforts to Protect Calaveras River	420,000	147,000	35	273,000	65
Water Enhancement Project	250,000	30,000	12	220,000	88
Efforts to Develop Groundwater	100,000	0	0	100,000	100
Section 15 Fees	50,000	0	0	50,000	100
BAY-DELTA WATER CONTROL PLAN	250,000	30,000	12	220,000	88
TOTALS	5,541,318	802,788		4,738,530	
Less: Projected Interest Income - Adm Fund	500	72		428	
NET TOTALS	5,540,818	802,716		4,738,102	

Notes:

(1) Allocations are primarily based on revised agreed-upon percentage allocations (Exhibit A) of the Settlement Agreement with the Urban Contractors. For employees salaries and benefits, general allocation is 88% - M&I and 12% - AG, while directors fees and benefits is 60% - M&I and 40% - Ag.

**STOCKTON EAST WATER DISTRICT
CALCULATION OF RATE EQUALIZATION GROUND WATER ASSESSMENT &
BASE MONTHLY PAYMENT
FISCAL YEAR 2018-2019**

CALCULATION OF RATE EQUALIZATION GROUND WATER(GW) ASSESSMENT

(A) Assumed Groundwater Pumping Cost:

Power cost per acre foot	\$	70.00
Operation & Maintenance cost	\$	36.00
Replacement costs	\$	10.00
Total GW Pumping Cost	\$	<u>116.00</u>

(B) Calculation of Rate Equalization Groundwater Assessment:

2017 - 2018 (Budget)	Water Production	\$ Cost/AF	Amount
Ground water	14,100 AF	\$ 116.00	\$ 1,635,600.00
Surface water	55,000 AF	\$ 535.41	\$ 29,447,780.10
Totals	<u>69,100 AF</u>		<u>\$ 31,083,380.10</u>
GW Rate Equalization Assessment:	69,100	\$ 31,083,380.10	\$ 449.83
Less: GW Pumping Cost			\$ (116.00)
2017-2018 GW Rate Equalization Assessment			<u>\$ 333.83</u>
2018 - 2019 (Budget)	Water Production	\$ Cost/AF	Amount
Ground water	14,100 AF	\$ 116.00	\$ 1,635,600.00
Surface water	55,000 AF	\$ 532.83	\$ 29,305,546.95
Totals	<u>69,100 AF</u>		<u>\$ 30,941,146.95</u>
GW Rate Equalization Assessment:	69,100	\$ 30,941,146.95	\$ 447.77
Less: GW Pumping Cost			\$ (116.00)
2018-2019 GW Rate Equalization Assessment			<u>\$ 331.77</u>

BASE MONTHLY PAYMENT (BMP) \CALCULATION

Treatment Plant Budget - FY 2018-2019	(a)	<u>\$ 29,305,546.95</u>
Revenue - Groundwater Rate Equalization	14,100 AF \$ 331.77	\$ 4,677,957.00
Other Sources of Revenue - M&I		\$ 245,500.00
Total Revenues before Base Monthly Payment	(b)	<u>\$ 4,923,457.00</u>
Total Annual Payment (a)-(b)	(c)	\$ 24,382,089.95
Less: Prior Fiscal Year BMP adjustment (credit)	(d)	\$ (5,295,751.05)
Total - Adjusted Annual Payment - FY 2018-2019		<u>\$ 19,086,338.90</u>

**STOCKTON EAST WATER DISTRICT
PRORATION OF BASE MONTHLY PAYMENT
FOR FISCAL YEAR 2018-2019 (04/01/18 - 03/31/19)**

Total Base Monthly Payment (BMP) FY 2018 - 2019	19,086,338.90 *
Less: State Revolving Fund (SRF) Loan Repayment - FY 2018-2019	(572,674.49)
Base Monthly Payment FY 2018-2019 (excluding State Revolving Fund loan repayment)	<u>18,513,664.41</u>
Base Monthly Payment (BMP) FY 2018-2019 (per month)	<u>\$1,542,805.37</u>

	2016-2017 Water Use (AF)				Percentage	2018-2019 Monthly BMP	Previous 2017-2018 Monthly BMP	Difference
	DWSP	Surface	Well	Total				
City of Stockton	19,543	3,842	3,092	26,477	52.8852%	\$ 815,916.46	880,003.84	(64,087.38)
Lincoln Village	0	770	364	1,134	2.2651%	\$ 34,945.40	36,723.40	(1,778.00)
Colonial Heights	0	204	142	346	0.6911%	\$ 10,662.35	12,599.39	(1,937.04)
California Water Service	0	17,824	4,284	22,108	44.1586%	\$ 681,281.16	727,532.59	(46,251.43)
Totals	<u>19,543</u>	<u>22,640</u>	<u>7,882</u>	<u>50,065</u>	<u>100.0000%</u>	<u>\$1,542,805.37</u>	<u>1,656,859.22</u>	<u>(114,053.85)</u>

*Proration of the State Revolving Fund Loan is under the provisions of the Agreement dated May 1, 2012 signed by the Urban Contractors with the following breakdown:

Annual State Revolving Fund (SRF) Loan Payment	\$572,674.49
Monthly Repayment	\$47,722.87

	% Share	Monthly SRF
City of Stockton	30.10%	\$14,364.59
Lincoln Village	2.70%	\$1,288.52
Colonial Heights	0.70%	\$334.06
California Water Service	66.50%	\$31,735.71
	<u>100.00%</u>	<u>\$47,722.88</u>

	BMP FY 2018-2019	SRF Loan Repayment FY 2018-2019	Adjusted BMP Calculation FY 2018-2019
City of Stockton	\$815,916.46	\$14,364.59	\$830,281.05
Lincoln Village	\$34,945.40	\$1,288.52	\$36,233.92
Colonial Heights	\$10,662.35	\$334.06	\$10,996.41
California Water Service	\$681,281.16	\$31,735.71	\$713,016.87
Total	<u>\$1,542,805.37</u>	<u>\$47,722.88</u>	<u>\$1,590,528.25</u>

Scot A. Moody

From: Jeanne Zolezzi <JZOLEZZI@herumcrabtree.com>
Sent: Tuesday, September 19, 2017 4:50 PM
To: Scot A. Moody
Subject: San Joaquin County JPA

Scot,

I was completely wrong on the voting requirements for the JPA. The cost allocation will be determined by a 2/3 vote.

4.6 Voting. Except as to actions identified in Article 4.7, the Board of Directors will conduct all business by majority vote. Each member of the Board of Directors will have one (1) vote. Prior to voting, the Members shall endeavor in good faith to reach consensus on the matters to be determined such that any subsequent vote shall be to confirm the consensus of the Members.

If any Member strongly objects to a consensus-based decision prior to a vote being cast, the Members shall work in good faith to reasonably resolve such strong objection, and, if the same is not resolved collaboratively, then the matter will proceed to a vote for final resolution under this Section 4.6 or Section 4.7, below, as applicable.

4.7 Supermajority Vote Requirement for Certain Actions. The following actions will require a two-thirds (2/3) vote by the directors present:

- a. Approval or modification or amendment of the Authority's annual budget;
- b. Decisions related to the levying of taxes, assessments or property-related fees and charges;
- c. Decisions related to the expenditure of funds by the Authority beyond expenditures approved in the Authority's annual budget;
- d. Adoption of rules, regulations, policies, bylaws and procedures related to the function of the Authority;
- e. Decisions related to the establishment of the Members' percentage obligations for payment of the Authority's operating and administrative costs as provided in Article 5.1;
- f. Approval of any contracts over \$250,000 or contracts for terms that exceed two (2) years;
- g. Setting the amounts of any contributions or fees to be paid to the Authority by any Member;
- h. Decisions regarding the acquisition by any means and the holding, use, sale, letting and disposal of real and personal property of every kind, including lands, water rights, structures, buildings, rights-of-way, easements, and privileges, and the construction, maintenance, alteration and operation of any and all works or improvements, within or outside the Authority, necessary or proper to carry out any of the purposes of the Authority;
- i. Decisions related to the limitation or curtailment of groundwater pumping; and
- j. Approval of a GSP.

ATTACHMENT II

A.2.

DRAFT

DRAFT - FOR DISCUSSION PURPOSES ONLY				
Groundwater Sustainability Agency	GSA Acres	%	Share of 1.5 million	
Linden County Water District	303	0.04%	\$589	
Lockeford Community Services District	787	0.10%	\$1,529	
San Joaquin County GSA No. 2	6,851	0.89%	\$13,308	
City of Lathrop	7,654	0.99%	\$14,868	
City of Lodi	8,957	1.16%	\$17,400	
City of Manteca	13,387	1.73%	\$26,006	
South Delta Water Agency	17,932	2.32%	\$34,835	
Woodbridge Irrigation District	29,419	3.81%	\$57,149	
Oakdale Irrigation District	31,452	4.07%	\$61,098	
City of Stockton	39,331	5.09%	\$76,402	
San Joaquin County GSA	50,694	6.57%	\$98,476	
Central Delta Water Agency	52,175	6.76%	\$101,353	
South San Joaquin GSA	63,864	8.27%	\$124,061	
Central San Joaquin Water Conservation District	73,166	9.48%	\$142,130	
Stockton East Water District	100,603	13.03%	\$195,428	
Eastside GSA	126,621	16.40%	\$245,970	
North San Joaquin Water Conservation District	148,976	19.29%	\$289,397	
Totals	772,171		\$1,500,000	

Discussed at Ad Hoc Meeting
August 23, 2017

DRAFT

DRAFT - FOR DISCUSSION PURPOSES ONLY			
Groundwater Sustainability Agency	GSA Population	%	Share of 1.5 million
Linden County Water District	1,682	0.25%	\$3,805
Central Delta Water Agency	2,086	0.31%	\$4,718
South Delta Water Agency	2,886	0.44%	\$6,529
Lockeford Community Services District	2,917	0.44%	\$6,599
Woodbridge Irrigation District	5,230	0.79%	\$11,831
Central San Joaquin Water Conservation District	5,874	0.89%	\$13,289
Oakdale Irrigation District	7,022	1.06%	\$15,885
Eastside GSA	9,598	1.45%	\$21,712
City of Lathrop	18,351	2.77%	\$41,513
North San Joaquin Water Conservation District	20,017	3.02%	\$45,282
San Joaquin County GSA	29,292	4.42%	\$66,265
Stockton East Water District	31,355	4.73%	\$70,932
South San Joaquin GSA	38,212	5.76%	\$86,443
San Joaquin County GSA No. 2	48,820	7.36%	\$110,441
City of Lodi	63,469	9.57%	\$143,580
City of Manteca	69,721	10.51%	\$157,723
City of Stockton	306,538	46.23%	\$693,453
Totals	663,070		\$1,500,000

Discussed at Ad Hoc Meeting
August 23, 2017

DRAFT

DRAFT - FOR DISCUSSION PURPOSES ONLY		
Groundwater Sustainability Agency	Equal Cost	
Central Delta Water Agency	\$88,235	
Central San Joaquin Water Conservation District	\$88,235	
City of Lathrop	\$88,235	
City of Lodi	\$88,235	
City of Manteca	\$88,235	
City of Stockton	\$88,235	
Eastside GSA	\$88,235	
Linden County Water District	\$88,235	
Lockeford Community Services District	\$88,235	
North San Joaquin Water Conservation District	\$88,235	
Oakdale Irrigation District	\$88,235	
San Joaquin County GSA	\$88,235	
San Joaquin County GSA No. 2	\$88,235	
South Delta Water Agency	\$88,235	
South San Joaquin GSA	\$88,235	
Stockton East Water District	\$88,235	
Woodbridge Irrigation District	\$88,235	
Totals	\$1,500,000	

Discussed at Ad Hoc Meeting
August 23, 2017

THIS PAGE
INTENTIONALLY
LEFT BLANK

Check Date: 09/12/2017

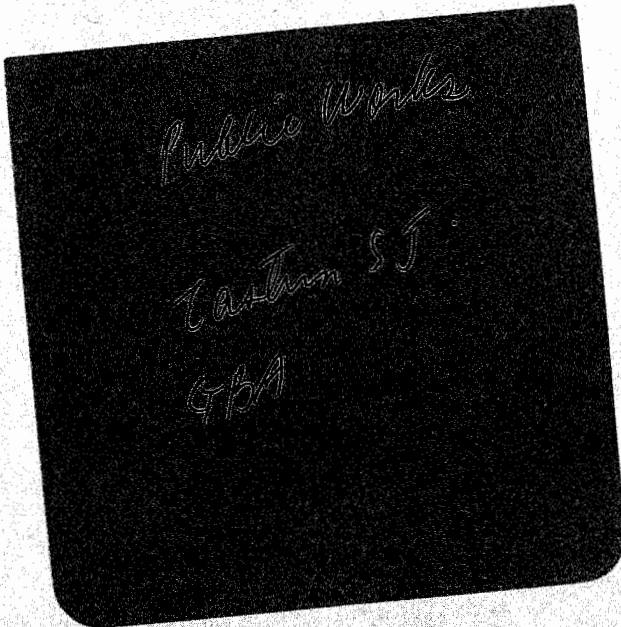
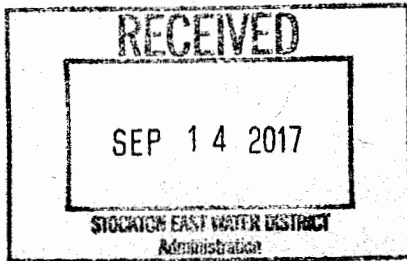
Vendor Number: 0000005271

Date: 09/26/17

Check No: 00865538

RE

Invoice Number	Invoice Date	Voucher ID	Gross Amount	Discount Taken	Paid Amount
REFUND - DUES FY 15-16 E	08/03/2017	01916073	20,000.00	0.00	20,000.00



Check Number	Date	Total Gross Amount	Total Discounts	Total Paid Amount
00865538	09/12/2017	20,000.00	0.00	20,000.00

THE BACK OF THIS DOCUMENT CONTAINS A TRUE WATERMARK. HOLD AT AN ANGLE TO VIEW.

COUNTY OF SAN JOAQUIN
44 N. San Joaquin Street Suite 550
Auditor-Controller
Stockton CA 95202

COUNTY OF SAN JOAQUIN
The Treasurer of San Joaquin County
1800-488-2265

00865538

90-78/
1211

Date: 09/12/2017

Pay Amount : \$20,000.00***

THIS WARRANT VOID SIX MONTHS FROM THE DATE OF ISSUE

***TWENTY THOUSAND AND XX/100 DOLLAR ***

Pay

To The
Order Of

STOCKTON EAST WATER DISTRICT

PO BOX 5157
STOCKTON CA 95205

Jerome C. Wilverding
JEROME C. WILVERDING
AUDITOR-CONTROLLER

Bank of the West

00865538 1211007821 23 28523928

THIS PAGE
INTENTIONALLY
LEFT BLANK



SAN JOAQUIN COUNTY
**FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

P. O. BOX 1810
STOCKTON, CALIFORNIA, 95201
TELEPHONE (209) 468-3000
FAX NO. (209) 468-2999

KRIS BALAJI
DIRECTOR OF PUBLIC WORKS

ADVISORY WATER COMMISSION

September 20, 2017, 1:00 p.m.

Public Health Conference Room, 1601 E. Hazelton Avenue, Stockton, California

AGENDA

- I. Roll Call**
- II. Approve Minutes for the Meeting of August 16, 2017**
- III. Discussion/Action Items:**
 - A. Presentation and Discussion on Integrated Regional Water Management Plan (IRWMP) Projects – Brandon Nakagawa (See Attached)
 - B. Update on San Joaquin Area Flood Control Agency (SJAFCOA) Activities – Roger Churchwell (See Attached)
 - C. Standing Updates
 - 1. Delta (See Attached)
 - 2. SGMA
- IV. Public Comment:**
- V. Commissioners' Comments:**
- VI. Adjournment:**

Next Regular Meeting
October 18, 2017, 1:00 p.m.
Public Health Conference Room

Commission may make recommendations to the Board of Supervisors on any listed item.

If you need disability-related modification or accommodation in order to participate in this meeting, please contact the Water Resources Staff at (209) 468-3089 at least 48 hours prior to the start of the meeting. Any materials related to items on this agenda distributed to the Commissioners less than 72 hours before the public meeting are available for public inspection at Public Works Dept. Offices located at the following address: 1810 East Hazelton Ave., Stockton, CA 95205. These materials are also available at <http://www.sjwater.org>. Upon request these materials may be made available in an alternative format to persons with disabilities.

Eastern San Joaquin IRWMP Update

Public Hearing
Plan Adoption



GBA Board of Directors

June 11, 2014



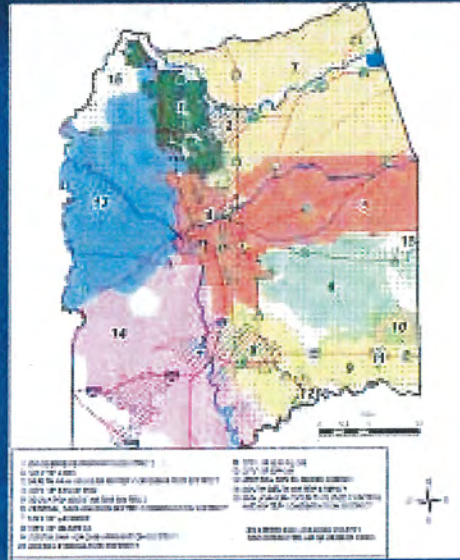
IRWMP Update Schedule

2013	September	<ul style="list-style-type: none"> • Status Update • Project Solicitation • Missing Elements
	October	<ul style="list-style-type: none"> • Basin Operations Criteria • Projects • Rating/Ranking Criteria
	November	<ul style="list-style-type: none"> • Flood Management • DAC Outreach
	December	
2014	January	<ul style="list-style-type: none"> • Rating/Ranking Workshop
	February	<ul style="list-style-type: none"> • Management Actions • Governance • Finance
	March	<ul style="list-style-type: none"> • Draft IRWM Plan • Public Review
	April	
	May	
	June	<ul style="list-style-type: none"> • GBA Adoption • Project Proponent Adoption



IRWM Plan Context

- Update to 2007 IRWMP
- Groundwater Basin Authority is the Regional Water Management Agency
- Planning Area is San Joaquin County, generally east of the San Joaquin River



Objective

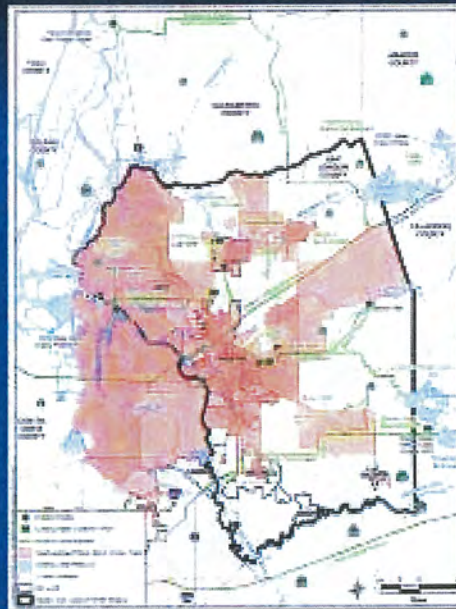
It is the Objective of the GBA to ensure the long-term sustainability of water resources in the San Joaquin Region while:

- Equitably distributing benefits and costs;
- Minimizing adverse impacts to agriculture, communities, and the environment;
- Maximizing efficiency and beneficial use of supplies; and,
- Protecting and enhancing water rights and supplies.



Ch. 5 Disadvantaged Community Outreach

- State defines DAC as areas below 80% of the statewide median (<\$48,700/yr)
- Public meetings
- Project solicitation

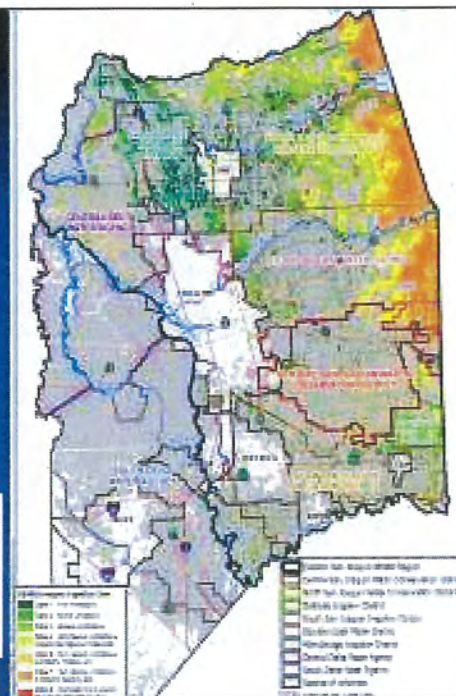


Ch. 4 & 6 Land and Water Use

- Population
 - 2010 – 690,000
 - 2035 – 1,020,000 (+50%)
- Water Demand
 - 2010 – 1,210,000 af/yr
 - 2035 – 1,220,000 af/yr
- Current use ~75% of 1976-96 average
- Potential Future Irrigation of Marginal Lands – 70,000 ac

Table ES-2 Estimated and Projected Water Demands for the Regional Planning Area (acre-feet per year)

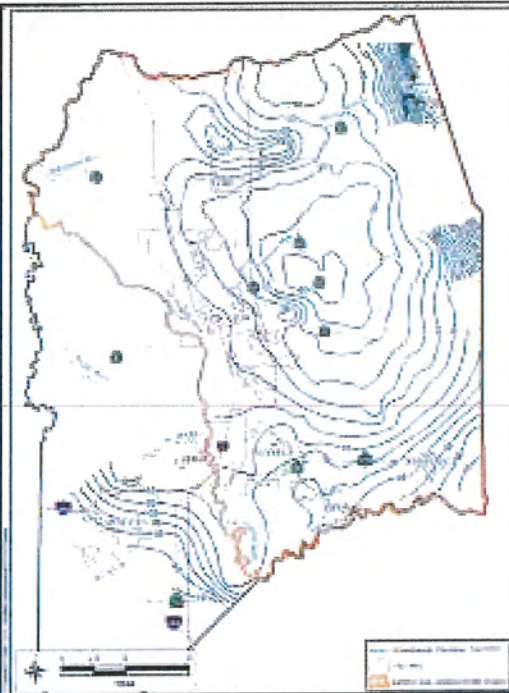
Water Use Sector	2010 Estimated Water Demand	2035 Projected Water Demand	Demand Change
Urban	154,566	236,500	+81,934
Agricultural	1,051,855	984,516	-67,339
Total	1,206,421	1,221,016	+14,595



Ch. 6

Groundwater Level Trends

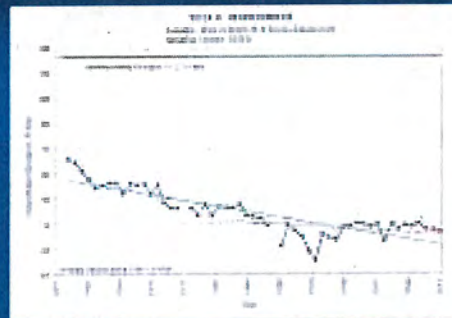
- Persistent pumping depressions in central and north areas
 - Fall 2012 Levels
- Increased water levels in areas with access to surface supplies
 - Fall 1992-Fall 2012



Ch. 6

Water Levels

- 27 wells with long term records
 - 2 show consistent decline
 - 2 show consistent rise
 - 23 show stability



Groundwater Management Levels

- **STABILITY.** For the 2007 IRWMP, the groundwater modeling analysis showed that for 2030 level demands:
 - An average 70,000 acre-feet per year was needed to stabilize the basin
 - An average 140,000 acre-feet per year was need to refill the basin to 1986-1992 conditions
- **DEMAND.** New estimates of future (2035) demand are significantly lower than those adopted in the 2007 IRWMP
 - 2035 urban demands are projected to be about 5 kaf/yr less than demands estimated for the 2007 IRWMP
 - 2035 agricultural demands are projected to be about 114 kaf less than demands estimated in the 2007 IRWMP
- **IN RECOVERY.** Groundwater conditions are improving



Alternatives from 2007 IRWMP

- **4 Alternatives**
 - 130-150 kaf/yr
 - \$0.6-0.9 billion

Table ES-3 Summary of Alternatives from 2007 IRWMP

	Total Net Recharge (KAF/yr)	Capital Cost (\$M)	O&M Cost (\$M/yr)	Annualized Cost (\$M/yr)	Unit Cost (\$/AF)
Alternative A	151	\$921	\$10.1	\$68.5	\$460
Alternative B	133	\$712	(\$1.7)	\$43.5	\$330
Alternative C	138	\$584	\$13.7	\$50.8	\$370
Alternative D	148	\$829	\$10.3	\$62.8	\$420

- **Progress since 2007**
 - Stockton Delta Water Supply Project, Phase 1
 - SEWD WTP expansion to 60 MGD
 - Lodi WTP and water transfer from WID
 - Freeport Element Study
 - MORE Water Project Studies



Ch. 8

Basin Management Level Summary

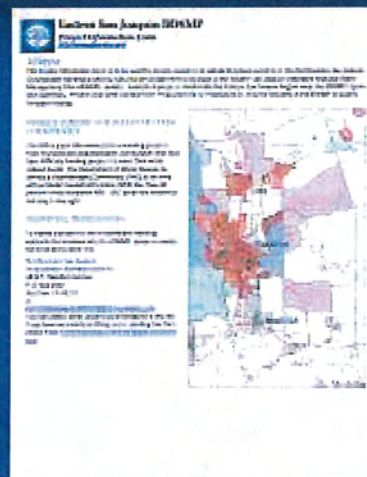
- Changed Conditions
 - Changes in cultural practices
 - Reduced demand
 - Project implementation of projects
- Remaining Needs
 - Extended drought
 - Regulatory change
 - Conversion of range land to agriculture
- Appropriate Level of Basin Restoration?
 - Maintain the existing conditions
 - Add storage for drought protection
 - Restore the basin to the historic ('86-'92) levels



Ch. 9

Project Solicitation

- 40+ projects identified
- Additional detail requested
 - Project submittal form
 - Posted on website
 - DAC outreach



Ch. 9

DWR Resource Management Strategies

Identified in 2009 California Water Plan Update

33 Strategies in 7 Categories

- Reduce Water Demand (2)
- Improve Operational Efficiency and Transfers (4)
- Increase Water Supply (6)
- Improve Water Quality (6)
- Practice Resource Stewardship (8)
- Improve Flood Management (1)
- Other Strategies (6)

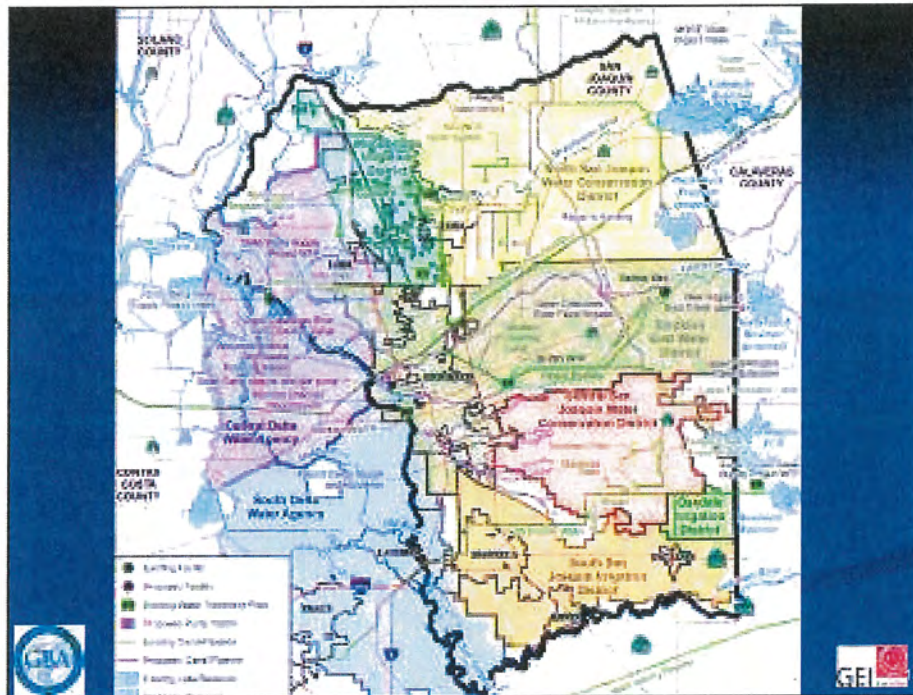


Ch. 10 & 11

Identified Projects

- 72 Water Supply or Water Management Projects
 - 42 not carried into Rating and Ranking (9.5.1)
 - 30 carried into Rating and Ranking (9.5.2)
- 6 Water Supply or Water Management Projects submitted after rating and ranking (10.8)
- 53 Flood Water or Stormwater Projects identified in Draft Regional Flood Management Plan (11.3)
 - Separate evaluation process as part of RFMP and CVFPP
 - Consideration of water supply integration
 - Improved communication and coordination





Ch. 12

Rating Criteria

- Reliability and Sustainability
- Economics
- Compatibility
- Environmental Constraints
- Implementability



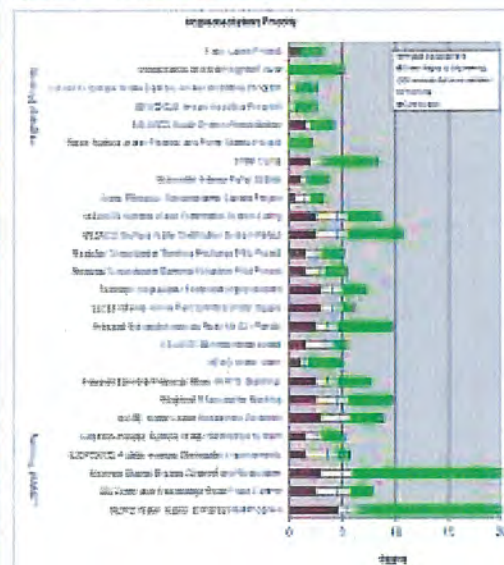
Ch. 12

Implementation Priority

- Need
- Feasibility
 - Technical
 - Ability to Phase
 - Institutional
- Readiness to Proceed
 - Water Rights
 - Engineering
 - Identified Financing
 - Environmental Documentation
- Public and Stakeholder Acceptance



Figure 15-4. Readiness to Proceed Ranking



Ch. 12

Readiness Ranking

Readiness To Proceed Ranking

High rated projects

Moderate rated projects

Rank	Project #	Project
1	13	Tracy Lakes Project
2	1	Conservation at UWMP/AgWMP level
3	44a	CSJWCD Surface Water Delivery (In-lieu Incentive) Program
4	44b	SEWD/SAWS Surface Water Delivery (In-lieu Incentive) Program
5	17	NSJWCD South System Rehabilitation
6	12	Water transfers from WID, OLD, SSJD
7	23	Ripon Surface Water Pipeline and Pump Station Project
8	70	Smith Canal
9	71	Wisconsin Avenue Pump Station
10	35	Lodi Non-Potable Surface Water Distribution System
11	3	Water Efficiency Demonstration Garden Project
12	15	NSJWCD Surface Water Distribution System Rehab
13	16	NSJWCD Surface Water Distribution System Lining
14	26	Regional Groundwater Banking Recharge Pilot Project
15	27	Regional Groundwater Banking Extraction Pilot Project
16	43	Thomson Wastewater Treatment Improvements
17	40	SJCo Environmental Health Mobile Home Park Drinking Water Supply
18	19	Freeport Element/American River Alt G2 (Ponds)
19	29	CSJWCD BN Intermodal ponds
20	24	SEWD Water Bank
21	20	Freeport Element/American River Alt R1b (Banking)
22	18	MORE Water Lower Mokelumne Diversion
23	25	Regional Groundwater Banking
24	69	SJCFWCD Ardelia Avenue Stormwater Improvements
25	47	Momon Slough Bypass Channel and Restoration
26	72	Gill Creek and Woodbridge Road Flood Control
27	14	SEWD Water Supply Enhancement Project



Ch. 14

Inter-Regional Coordination and Integration

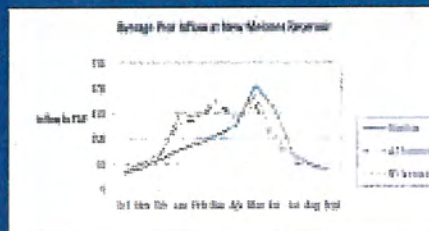
- Mokelumne River Forum
- MokeWISE Project
- Groundwater Recharge Demonstration Project
- Sacramento County – South Area Water Council
- Stanislaus County



Ch. 15

Climate Change

- Local Sierra streams expected to have more winter rainfall runoff, less spring snowmelt runoff
- The highest priority vulnerabilities include:
 - Water storage reserves and management
 - Water demand uncertainty due to hotter summers and lower rainfall
 - Water quality and saline migration
 - Flooding and water logging in areas of commercial agriculture
 - Ecosystem and habitat loss
 - Flooding due to sea level rise



Ch. 16

Management Action Plan

57 GBA Commitments for Implementing IRWM Plan

- **Monitoring** – Monitoring of water parameters such as water levels, water quality, import quantities, water budgets, etc., plus monitoring of population growth and development, effectiveness of water conservation measures, and land subsidence. Data management will be closely tied to this function.
- **Improved Basin Characterization** – Continued exploration, infiltration rate testing, aquifer characterization, modeling, improvements to understanding of the water budget.
- **Continued Long-Term Planning** – Includes review of land use plans, additional water supply identification, and Plan updates.
- **Groundwater Protection** – This category could include recharge site management, identification and destruction of abandoned wells, hazardous material response, protection of recharge areas.
- **Construction and Implementation** – Identification of implementing agencies for high priority projects, and coordinate with those agencies in putting them into service.
- **Governance** – Coordination of implementing agencies, Responsibility and powers of GBA.
- **Financing** – Implementing the IRWM Plan will require an array of financing mechanisms such as bonds, grants, or low interest loans. Some implementing agencies have available revenue streams for implementing projects, while others do not. Cost savings may be realized through implementation of conservation and water reuse projects. In addition, cooperative funding agreements between the GBA and local, state, or federal agencies may also provide funding for IRWM Plan projects and management actions.
- **Public Participation/Community Outreach** – Continued coordination with the GBA Board and Coordinating Committee, the San Joaquin County Advisory Water Commission, as well as regional water managers and community groups.



Comments Received

Public Review Period March 30 – May 15

- South San Joaquin ID
 - Add 6 projects
- SJAFCA
 - Edits & Public Draft of RFMP
- City of Stockton (technical edits)
- North San Joaquin WCD (technical edits)
- San Joaquin County (technical edits)



Discussion

Mark S. Williamson
MWilliamson@GEIConsultants.com
916/631-4559



Eastern San Joaquin IRWMP Update

2014 Proposition 84 IRWM Drought Grants



GBA Board of Directors

June 11, 2014



Governor's Drought Plan

- The drought legislation
 - Directs previously unallocated bond funds into integrated regional water management grant program
 - Taps money left over from Prop 1E (2006) to fund specific flood control projects
 - Accelerates Proposition 84 funds
- The legislation directs nearly half (\$200 million) of the Prop 84 dollars for projects that do at least one of the following:
 - Provide immediate regional drought preparedness
 - Increase local water supply reliability and the delivery of safe drinking water
 - Assist water suppliers and regions to implement conservation programs and measures that are not locally cost-effective
 - Reduce water quality conflicts or ecosystem conflicts created by the drought

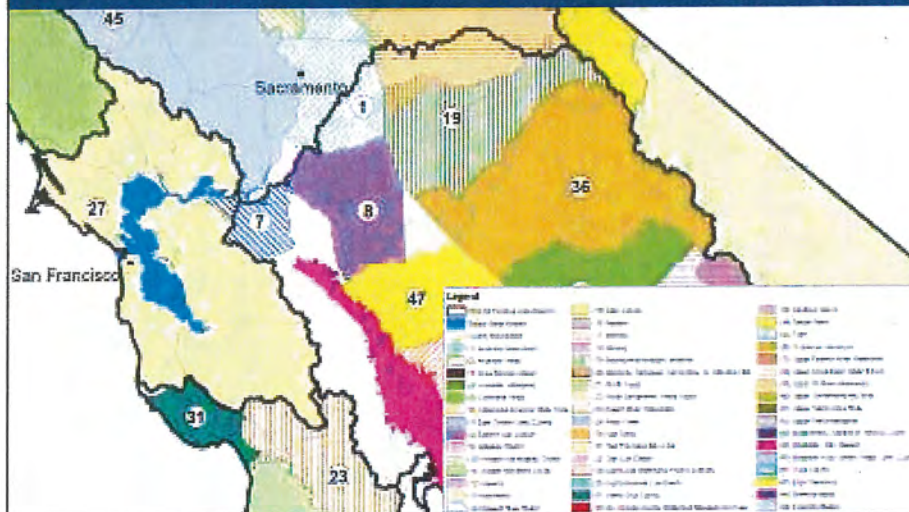


PROPOSITION 84 IRWM FUNDING AREA REMAINING BALANCES

FUNDING AREA	ALLOCATION	PRIOR AWARDS + STATE COSTS	REMAINING BALANCE
North Coast	\$37,000,000	\$17,252,061	\$19,747,939
San Francisco Bay	\$138,000,000	\$64,516,143	\$73,483,857
Central Coast	\$52,000,000	\$32,251,934	\$19,748,066
Los Angeles-Ventura	\$215,000,000	\$118,659,211	\$96,340,789
Santa Ana	\$114,000,000	\$39,517,004	\$74,482,996
San Diego	\$91,000,000	\$34,487,049	\$56,512,951
Sacramento	<i>Up to 75% (\$20M in SJR) can be awarded</i>		\$40,518,410
San Joaquin River	\$57,000,000	\$30,303,544	\$26,696,456
Tulare/Kern	\$60,000,000	\$43,782,803	\$16,217,197
Lahontan	\$27,000,000	\$16,721,949	\$10,278,051
Colorado River	\$36,000,000	\$19,300,000	\$16,700,000
Total	\$900,000,000	\$449,273,288	\$450,726,712



San Joaquin Funding Area



IRWM Grant Criteria

- Complete project with demonstrable benefits
- Complete documented engineering, cost, benefit, and environmental impact assessment
- Firm schedule
- Multiple benefits/beneficiaries
- Disadvantaged community benefits
- State program preferences/[Water Action Plan](#) (regionality, integration, drought preparedness, climate response, environmental stewardship, etc.)
- Identified governance and financing
- Community support



Call for Projects

- Two requests for projects
 - April 21st, May 15th
- Ten projects received
- Screened by GBA Projects Subcommittee
- Four projects selected
- Application due July 21st



Selected Projects

Grant Project #	Project Sponsor	Project Name	IRWMP Project #	Designed?	Ready to construct or implement by April 2015?	Project Cost	Water Saved or Produced
1	City of Stockton	Water Consumption Reporting and Customer Engagement Software	No*	Yes	Yes	\$100,000	5% of gross demand, or 1,650 af/yr
3	SSJID	West Basin Water Reuse Project	102 (SSJID-5)	Yes	Yes	\$3,000,000	10,000 af/yr
7	SSJID	On-Farm Water Conservation Program	100 (SSJID-3)	Yes	Yes	\$1,000,000	3,000 af/yr
9	CalWater	CalWater Comprehensive Conservation Program	No*	Yes	Yes	\$500,000	414 af/yr



Discussion

Mark S. Williamson
MWilliamson@GEIConsultants.com
916/631-4559



2014 Eastern San Joaquin Integrated Regional Water Management Plan

description, the project purpose and need, project status (conceptual, planning, feasibility study, preliminary design, etc.), and as much information on benefits, costs, project design, funding and environmental documentation as is available.

All projects submitted are listed in the IRWMP. A subset of these is selected by the GBA by consensus for further description, analysis, rating, ranking, and prioritization. Preliminary rating and ranking is performed by a subcommittee of stakeholders and consultant staff. Rating and ranking is finalized in a public GBA workshop.

A similar process is used to determine the projects for inclusion in applications for funding opportunities. Projects selected for grant funding are based on their priority ranking and readiness to proceed.

The final list of projects for either the IRWMP or a funding opportunity is adopted by the GBA. The San Joaquin County Board of Supervisors approves the IRWMP, and endorses funding applications. Project implementation and funding is the responsibility of the project proponent, with the support and guidance of the GBA.

A listing of projects identified using the process outlined above are presented in Table 9-3. This table groups the projects by primary DWR management objective, and by the resource management strategy being used. Table 9-3 also characterizes the quality of information that has been developed or provided by project proponents. A “Good” quality of information reflects projects that have been well studied, have reliable cost estimates, and have initiated permitting and environmental review. Projects with a “Fair” quality of information have had a moderate level of study, but may be deficient on one or more factors and require additional study. A project characterized as having a “Poor” quality of information is at a preliminary or conceptual stage, and requires significant additional study and project development to determine its value.

Based on a preliminary assessment of projects by the GBA Coordinating Committee, a consensus recommendation was made on 30 projects to carry into detailed evaluation. This recommendation is shown in Table 9-3. This table identifies stormwater and flood water management projects as “flood processes”, many of which are being developed independently of the IRWMP and where substantial information has not yet been developed.

Table 9-3 Projects Considered in the IRWMP Update

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
1	Yes	Conservation at UWMP/AgWMP level	Reduce Water Demand	Water use efficiency	Fair
2	No	Stockton Irrigation Controller Program	Reduce Water Demand	Water use efficiency	Fair
3	Yes	Water Efficiency Demonstration Garden (WEDG) Project	Reduce Water Demand	Water use efficiency	Fair
4	No	Aggressive (30%) conservation	Reduce Water Demand	Water use efficiency	Poor
5	No	New Hogan to Duck Creek transfer pipeline	Improve Operational Efficiency and Transfers	Conveyance - Regional/Local	Poor



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
6	No	Duck Creek Reservoir	Improve Operational Efficiency and Transfers	System Reoperation	Good
7	No	MORE Water Project Pardee diversion	Improve Operational Efficiency and Transfers	System Reoperation	Poor
8	No	Lyons Dam	Improve Operational Efficiency and Transfers	System Reoperation	Poor
9	No	Farmington Dam	Improve Operational Efficiency and Transfers	System Reoperation	Poor
10	No	Cosgrove Creek Reservoir to Bear and/or Duck Creek	Improve Operational Efficiency and Transfers	System Reoperation	Poor
11	No	Eastern Water Alliance Canal and Treatment Plant	Improve Operational Efficiency and Transfers	System Reoperation	Poor
12	Yes	Water transfers from WID, OID, SSJID	Improve Operational Efficiency and Transfers	Transfers	Fair
13	Yes	Tracy Lakes Project	Increase Water Supply	Conjunctive Use/ Banking	Good
14	Yes	SEWD Water Supply Enhancement Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
15	Yes	NSJWCD Surface Water Distribution System Rehab	Increase Water Supply	Conjunctive Use/ Banking	Fair
16	Yes	NSJWCD Surface Water Distribution System Lining	Increase Water Supply	Conjunctive Use/ Banking	Fair
17	Yes	NSJWCD South System Rehabilitation	Increase Water Supply	Conjunctive Use/ Banking	Fair
18	Yes	MORE Water Lower Mokelumne Diversion	Increase Water Supply	Conjunctive Use/ Banking	Good
19	Yes	Freeport Element/American River Alt G2 (Ponds)	Increase Water Supply	Conjunctive Use/ Banking	Good
20	Yes	Freeport Element/American River Alt R1b (Banking)	Increase Water Supply	Conjunctive Use/ Banking	Good
21	Yes	Micke Grove Park Recharge Ponds	Increase Water Supply	Conjunctive Use/ Banking	Fair
22	Yes	OID/SSJID to Stockton transfer renewal	Increase Water Supply	Conjunctive Use/ Banking	Good
23	Yes	Ripon Surface Water Pipeline and Pump Station Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
24	Yes	SEWD Water Bank	Increase Water Supply	Conjunctive Use/ Banking	Fair
25	Yes	Regional Groundwater Banking	Increase Water Supply	Conjunctive Use/ Banking	Fair
26	Yes	Regional Groundwater Banking Recharge Pilot Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
27	Yes	Regional Groundwater Banking Extraction Pilot Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
28	No	NSJWCD South System Expansion	Increase Water Supply	Conjunctive Use/ Banking	Poor
29	Yes	CSJWCD BN Intermodal ponds	Increase Water Supply	Conjunctive Use/ Banking	Fair



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
30	No	South Gulch Reservoir/Upper Farmington Canal	Increase Water Supply	Conjunctive Use/ Banking	Poor
31	No	Upper Farmington Canal Extension	Increase Water Supply	Conjunctive Use/ Banking	Poor
32	No	Stockton Delta Water Supply Project Phase 2	Increase Water Supply	Conjunctive Use/ Banking	Fair
33	No	Farmington Project Phase 1	Increase Water Supply	Conjunctive Use/ Banking	Fair
34	No	Farmington Project Phase 2	Increase Water Supply	Conjunctive Use/ Banking	Fair
35	Yes	Lodi Non-Potable Surface Water Distribution System	Increase Water Supply	Recycled Municipal Water	Fair
36	No	Lodi Reclamation	Increase Water Supply	Recycled Municipal Water	Good
37	No	Maximum Lodi reclamation	Increase Water Supply	Recycled Municipal Water	Fair
38	Yes	Renewal of SEWD/CSJWCD CVP contracts	Increase Water Supply	Water Rights and Contracts	Good
39	Yes	NSJWCD Permit 10477 renewal (expired 2002)	Increase Water Supply	Water Rights and Contracts	Good
40	Yes	SJCo Environmental Health Mobile Home Park Drinking Water Supply	Improve Water Quality	Drinking Water Treatment and Distribution	Fair
41	No	SEWD Water Treatment Plant Expansion to 60 MGD	Improve Water Quality	Drinking Water Treatment and Distribution	Poor
42	No	Saline barrier	Improve Water Quality	Salt and Salinity Management	Poor
43	Yes	Thornton Wastewater Treatment Improvements	Improve Water Quality	Wastewater Treatment	Fair
44	Yes	CSJWCD Surface Water Delivery (In-lieu Incentive) Program	Practice Resource Stewardship	Economic Incentives (Loans, Grants, Water Pricing)	Fair
45	Flood Process	Mormon Slough Bank Erosion Repair	Improve Flood Management	Channel maintenance	Poor
46	Flood Process	Programmatic EIR to Allow Permits for Maintenance of Vegetation and Rock Placement	Improve Flood Management	Channel maintenance	Poor
47	Yes	Mormon Slough Bypass Channel and Restoration	Improve Flood Management	Floodwater management	Fair
48	Flood Process	Channel maintenance dredging in the Lower San Joaquin River	Improve Flood Management	Floodwater management	Poor
49	Flood Process	Forecast Based Operation of Flood Control Projects	Improve Flood Management	Floodwater management	Poor
50	Flood Process	Increase Storage in Friant and Don Pedro Reservoirs	Improve Flood Management	Floodwater management	Poor
51	Flood Process	Paradise Cut Improvements (Base Case)	Improve Flood Management	Floodwater management	Fair
52	Flood Process	Paradise Cut Expansion	Improve Flood Management	Floodwater management	Poor



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
53	Flood Process	Paradise Cut Corridor Management Plan	Improve Flood Management	Floodwater management	Poor
54	Flood Process	French Camp Slough and Tributaries Master Plan	Improve Flood Management	Floodwater management	Poor
55	Flood Process	Lower Calaveras River and Diverting Canal Restoration	Improve Flood Management	Floodwater management	Poor
56	Flood Process	Mariposa Drain	Improve Flood Management	Floodwater management	Poor
59	Flood Process	Upper Calaveras River Flood Bypass and Restoration	Improve Flood Management	Floodwater management	Poor
60	Flood Process	Improvements necessary to maintain FEMA accreditation	Improve Flood Management	Levee	Poor
61	Flood Process	Provide 200-year level improvement in identified areas (TBD) to allow future development	Improve Flood Management	Levee	Poor
62	Flood Process	Re-Certify all expired FEMA accredited levees	Improve Flood Management	Levee	Poor
63	Flood Process	RD 17 Levee Strengthening	Improve Flood Management	Levee	Fair
64	Flood Process	Restore PL 84-99 status (Identify Levees to Restore)	Improve Flood Management	Levee	Poor
65	Flood Process	Raise and strengthen the cross levees within the RD's to compartmentalize the leveed system	Improve Flood Management	Levee	Poor
66	Flood Process	Prepare ULDC/UOP docs (EVD-1, 2 & 3) and certification (ULDC) for area / RDs requesting help	Improve Flood Management	Levee	Poor
67	Flood Process	Prepare LOI and SWF for all levee systems maintained by SJC (locks in PL 84-99).	Improve Flood Management	Levee	Poor
68	Flood Process	Projects from Lower San Joaquin Feasibility Study	Improve Flood Management	Levee/Ecosystem	Fair
69	Yes	SJCFCWCD Ardelle Avenue Stormwater Improvements	Improve Flood Management	Stormwater management	Fair
70	Yes	Smith Canal	Improve Flood Management	Stormwater management	Good
71	Yes	Wisconsin Avenue Pump Station	Improve Flood Management	Stormwater management	Good
72	Yes	Gill Creek and Woodbridge Road Flood Control	Improve Flood Management	Stormwater management	Poor
73	Flood Process	San Joaquin National Wildlife Refuge Expansion	Practice Resource Stewardship	Ecosystem Restoration	Poor



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
74	Flood Process	Protection of Habitat Mitigation Area	Practice Resource Stewardship	Ecosystem Restoration	Poor
75	Flood Process	Floodplain Expansion and Restoration at Dos Rios Ranch	Improve Flood Management	Floodwater Management & Ecosystem Restoration	Fair
76	Flood Process	Programmatic Environmental Impact Report To Streamline O&M Permitting	Improve Flood Management	Floodwater management	Poor
77	Flood Process	Changes To NFIP For Agricultural Areas	Improve Flood Management	Floodwater management	Poor
78	Flood Process	Improve DWR Grant Funding Guidelines To Be More Flexible For Multi-Benefit Projects	Improve Flood Management	Floodwater management	Poor
79	Flood Process	Dredge The San Joaquin River Adjacent To RD 403	Improve Flood Management	Floodwater management	Poor
80	Flood Process	City Of Stockton WWTP Headworks Improvements	Improve Flood Management	Floodwater management	Fair
81	Flood Process	Fourteenmile Slough – Sediment Removal Project	Improve Flood Management	Floodwater management	Fair
82	Flood Process	Fourteenmile Slough – Slurry Wall Project	Improve Flood Management	Floodwater management	Fair
83	Flood Process	Fourteenmile Slough Improvements	Improve Flood Management	Floodwater management	Poor
84	Flood Process	Bridge Improvements	Improve Flood Management	Floodwater management	Poor
85	Flood Process	Restore Design Capacity of the San Joaquin River	Improve Flood Management	Floodwater management	Poor
86	Flood Process	Geometry Improvements	Improve Flood Management	Floodwater management	Poor
87	Flood Process	Flood Contingency Mapping	Improve Flood Management	Floodwater management	Poor
88	Flood Process	Meet HMP Standards	Improve Flood Management	Floodwater management	Poor
89	Flood Process	Protection of City Sewer	Improve Flood Management	Floodwater management	Poor
90	Flood Process	Permanent Power Source for Pump	Improve Flood Management	Floodwater management	Poor
91	Flood Process	Erosion Protection	Improve Flood Management	Levee	Poor-Fair
92	Flood Process	Seepage Repairs	Improve Flood Management	Levee	Poor



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
93	Flood Process	Improve Levee Crown Width and Add All-Weather Road	Improve Flood Management	Levee	Poor
94	Flood Process	Dryland Levee Improvements	Improve Flood Management	Levee	Fair
95	Flood Process	Slope Stability Repairs	Improve Flood Management	Levee	Poor
96	Flood Process	Root Removal	Improve Flood Management	Levee	Poor
97	Flood Process	RD 404 Interior Drainage And Pump Station Improvements	Improve Flood Management	Stormwater management	Poor
98 SSJID-1	Late Submittal	Irrigation Flow Measurement and SCADA Improvements Implementation	Reduce Water Demand	Agricultural Water Use Efficiency	Good
99 SSJID-2	Late Submittal	Main Distribution Canal Lining	Reduce Water Demand	Agricultural Water Use Efficiency	Good
100 SSJID-3	Late Submittal	On-Farm Water Conservation Program	Reduce Water Demand	Agricultural Water Use Efficiency	Good
101 SSJID-4	Late Submittal	Pressurized Water Delivery Phase 1 Feasibility Assessment	Improve Operational Efficiency & Transfers	Conveyance -- Regional/Local	Fair
102 SSJID-5	Late Submittal	West Basin Water Reuse Project	Increase Water Supply	Conjunctive Management and Groundwater Storage	Good
103 SSJID-6	Late Submittal	East Basin Conjunctive Use Project	Increase Water Supply	Conjunctive Management and Groundwater Storage	Good
104	Late Submittal	WID Pixley Lateral Pipeline	Reduce Water Demand	Water use efficiency	Fair

9.5.1 Discussion of Projects Not Carried into Evaluation Phase

A number of projects were judged to be unready to be fully evaluated in the project rating and ranking projects. In particular, most of the proposed flood water and stormwater management projects are currently at a conceptual level of development, and very little quantitative data are available regarding project cost and reduced flood damage benefits. These projects are being evaluated by the San Joaquin Area Flood Control Agency (SJAFC) and others as part of the Lower San Joaquin River Regional Flood Protection Plan (RFMP) that will be presented to the State Department of Water Resources (DWR) for potential inclusion as part of the Central Valley Flood Protection Program (CVFPP) 2017 Update. Project descriptions, costs, and benefits of these flood management project will be amended into the IRWMP as appropriate once they are available.



2014 Eastern San Joaquin Integrated Regional Water Management Plan

A number of other proposed projects have not been recently studied, have been found to have marginal economics or benefits, or lack a project proponent. A listing of these projects and the rationale for not carrying them into the evaluation phase is presented as Table 9-4.

Table 9-4 Projects Not Carried into Evaluation Phase

Project Number	Project	Quality of Information	Rationale
45, 46, 48-56, 59-68, 73-97	Flood management projects being explored as part of Regional Flood Management Program for Central Valley Flood Protection Plan	Poor	<p>As discussed in Chapter 10, flood projects in the Region are being evaluated and prioritized by the San Joaquin Area Flood Control Agency as part of the Lower San Joaquin River Regional Flood Protection Plan. These projects will be described and presented to the State for potential inclusion as part of the Central Valley Flood Protection Program 2017 Update.</p> <p>Project descriptions, costs and flood damage reduction benefits are not expected to have been defined until after the publication date for the IRWMP Update. These descriptors will be amended into the IRWM Plan as appropriate once they are available.</p>
2	Stockton Irrigation Controller Program	Fair	An irrigation controller pilot program has been implemented over a recent four-year period. The program has had limited success, primarily due to vandalism of the controllers. City Parks staff is optimistic that solutions can be found for these problems.
4	Aggressive (30%) conservation	Poor	Eastern San Joaquin water purveyors, already some of the lowest per-capita utilities in the Central Valley, are working to implement the 20% conservation commitments called for by SB7x7 and incorporated into their 2010 Urban Water Management Plans. 30% conservation is not considered achievable in the short-term.
5	New Hogan to Duck Creek transfer pipeline	Poor	Requires Duck Creek Reservoir (Project 6)
6	Duck Creek Reservoir	Good	A series of investigations, including subsurface exploration, show that the dam site lacks good foundation materials, and there are, limited on-site dam construction materials. A dam still might be feasibly constructed, but costs would be significantly increased to manage these deficiencies. The site is overlain by a California Department of Fish and Wildlife conservation easement protecting vernal pools and amphibians that would require considerable mitigation costs. The project is being set aside due to a steeply escalating cost.
7	MORE Water Project Pardee diversion	Poor	Requires Duck Creek Reservoir (Project 6)
8	Lyons Dam	Poor	The Tuolumne Utilities District (TUD) obtains the majority of its water supply from the South Fork of the Stanislaus River. In 1983 TUD entered into an agreement with PG&E for the use of all water diverted through Strawberry (Pinecrest) Reservoir and Lyons Reservoir in excess of the required in-stream flows. The amount of water available annually is dependent upon the natural flow of the South Fork of the Stanislaus River which has an average annual



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Project	Quality of Information	Rationale
			<p>yield of approximately 100,000 acre-feet including 24,000 acre-feet combined storage in Strawberry and Lyons Reservoirs.⁷²</p> <p>TUD has been evaluating the possibility of replacing the existing Lyons Dam to create a larger reservoir to provide enough water for future development. The current capacity of Lyons Reservoir is 6,219 acre-feet, and the current spillway elevation is 4,214-ft. TUD has contemplated either a 25,000 acre-foot or 50,000 acre-foot reservoir with surface elevations of 4,285-ft and 4,328-ft respectively. Both options would be located 800-ft downstream of the current dam. The estimated cost of a new 50,000 acre-foot reservoir is \$26 million. SEWD has expressed interest in partnering with TUD for supplemental water supplies from the Lyons Reservoir enlargement.</p> <p>This project is being deferred due to high cost and local opposition.</p>
9	Farmington Dam	Poor	This project element will be considered as part of the SEWD Water Supply Enhancement Project (Project 14)
10	Cosgrove Creek Reservoir to Bear and/or Duck Creek	Poor	There has been limited study of this reservoir site. The project currently has no proponent.
11	Eastern Water Alliance Canal and Treatment Plant	Poor	This project element will be considered as part of the SEWD Water Supply Enhancement Project (Project 14)
28	NSJWCD South System Expansion	Poor	Conceptual plans have been developed to expand the NSJWCD South System to serve additional acreage. Much of the existing system is in disrepair, and would have to be fixed in order to serve these new areas. However, repair of the existing system would allow conveyance of all water available under the NSJWCD water right, so this project appears to be unnecessary.
30	South Gulch Reservoir/Upper Farmington Canal	Poor	This project element will be considered as part of the SEWD Water Supply Enhancement Project (Project 14)
31	Upper Farmington Canal Extension	Poor	This project element will be considered as part of the SEWD Water Supply Enhancement Project (Project 14)
32	Stockton Delta Water Supply Project Phase 2	Fair	Demands projected in the 2010 Stockton Urban Water Management Plan are less than what can be provided by the existing Phase 1 facilities. This second phase is not needed during planning horizon of the IRWMP.
33	Farmington Project Phase 1	Fair	This project element will be considered as part of the SEWD Water Supply Enhancement Project (Project 14)
34	Farmington Project Phase 2	Fair	This project element will be considered as part of the SEWD Water Supply Enhancement Project (Project 14)
36	Lodi Reclamation	Good	The City of Lodi updated its Reclamation Master Plan in 2011. All options were expensive. The preferred \$1,500/af option was not

⁷² www.tuolumneutilities.com/uwmp.pdf, 2000



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Project	Quality of Information	Rationale
			recommend for construction. A smaller reclaimed water project (Project 35) is being carried forward.
37	Maximum Lodi reclamation	Fair	The City of Lodi updated its Reclamation Master Plan in 2011. All options were expensive. The preferred \$1,500/af option was not recommend for construction. Maximizing the use of reclaimed water would be even less economic.
41	SEWD Water Treatment Plant Expansion to 60 MGD	Good	This expansion has been completed.
42	Saline Barrier	Poor	The Saline Barrier was envisioned as a line of injection wells along the southwestern margins of Stockton to prevent eastward migration of connate saline water underlying the Delta. This saline water movement appears to have slowed or stopped in recent years, perhaps due to a reduction of pumping in Stockton. Investigations by the U.S. Geological Survey suggest most of the saline water moves through just a few transmissive strata as little as four feet thick, and these layers are discontinuous. It appears infeasible to limit saline movement with injection wells.
98-103	SSJID Projects	Fair-Good	These water conservation, operational efficiency, and water supply projects appear to be viable, but were submitted close to IRWMP publication and after the rating and ranking process had been completed.

9.5.2 Projects to be Carried into Evaluation Phase

Projects, programs and management actions selected are those deemed the most feasible and implementable for addressing GBA objectives of improving water supply sustainability and reliability through:

- Improving water supply reliability
- Providing multiple benefits
- Protection and improvement of water quality
- Providing financial incentives to promote regional integration and conjunctive management
- Enhancing environmental stewardship
- An inclusive, integrated planning process incorporating a wide range of planning processes including land use, flood control, and energy use
- Scalable implementation
- Selecting the best solutions using unbiased performance and prioritization criteria
- Establish monitoring protocols to gauge Plan success

Projects and management actions selected were considered those most likely to provide comprehensive solutions to fully meet the Fundamental Objectives. The identification and selection process went through several iterations of feedback with the GBA membership over the course of several months.



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Baseline conditions for assessing benefits and costs assume the following:

Existing Conditions:

- 2010 level of demand and supply
- existing entitlements and transfers
- groundwater modeling and assumptions used in 2007 IRWMP⁷³

Future Conditions:

- 2035 level of demand
- existing supply projects plus projects with completed engineering and environmental documentation that can reasonably expected to be on-line by 2035
- expiration of water transfer agreements and contracts
- assumptions common to all alternatives
- implementation of Common Elements

The program-level groundwater modeling performed for the 2007 IRWMP was not updated.⁷⁴ Program alternatives delivering equivalent quantities of water are expected to perform similarly. The GBA was unsuccessful in securing grant funding for updating the model.

A total of 30 projects from all Resource Management Strategy categories (Section 9.3) were selected by consensus of the GBA Coordination Committee for further evaluation. A listing of these projects is presented as Table 9-5.

Table 9-5 Projects to be Carried into Evaluation Phase

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
1	Yes	Conservation at UWMP/AgWMP level	Reduce Water Demand	Water use efficiency	Fair
3	Yes	Water Efficiency Demonstration Garden (WEDG) Project	Reduce Water Demand	Water use efficiency	Fair
12	Yes	Water transfers from WID, OID, SSJID	Improve Operational Efficiency and Transfers	Transfers	Fair

⁷³ Includes assumption of existing agency boundaries and powers, and use of 7,000 acre-feet per year of Calaveras River water by Calaveras County Water Agency

⁷⁴ Program Alternatives - A series of GBA workshops were conducted over nine months to work through the alternatives development process and to develop the most promising combinations of projects and management actions. General observations on desirability, reliability, and performance were solicited from participants. Promising alternatives were identified and evaluated using the Systems Model described in Chapter 6 of the 2007 IRWMP. A target net annual recharge of 140,000 to 160,000 acre-feet per year was determined to be the level that resulted in acceptable water levels and water level fluctuations according to proposed Basin Operations Criteria. Four program alternatives were further studied and evaluated using the DYNFLOW groundwater model. These four alternatives were carried forward into the Programmatic Environmental Impact Report.



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
13	Yes	Tracy Lakes Project	Increase Water Supply	Conjunctive Use/ Banking	Good
14	Yes	SEWD Water Supply Enhancement Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
15	Yes	NSJWCD Surface Water Distribution System Rehab	Increase Water Supply	Conjunctive Use/ Banking	Fair
16	Yes	NSJWCD Surface Water Distribution System Lining	Increase Water Supply	Conjunctive Use/ Banking	Fair
17	Yes	NSJWCD South System Rehabilitation	Increase Water Supply	Conjunctive Use/ Banking	Fair
18	Yes	MORE Water Lower Mokelumne Diversion	Increase Water Supply	Conjunctive Use/ Banking	Good
19	Yes	Freeport Element/American River Alt G2 (Ponds)	Increase Water Supply	Conjunctive Use/ Banking	Good
20	Yes	Freeport Element/American River Alt R1b (Banking)	Increase Water Supply	Conjunctive Use/ Banking	Good
21	Yes	Micke Grove Park Recharge Ponds	Increase Water Supply	Conjunctive Use/ Banking	Fair
22	Yes	OID/SSJID to Stockton transfer renewal	Increase Water Supply	Conjunctive Use/ Banking	Good
23	Yes	Ripon Surface Water Pipeline and Pump Station Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
24	Yes	SEWD Water Bank	Increase Water Supply	Conjunctive Use/ Banking	Fair
25	Yes	Regional Groundwater Banking	Increase Water Supply	Conjunctive Use/ Banking	Fair
26	Yes	Regional Groundwater Banking Recharge Pilot Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
27	Yes	Regional Groundwater Banking Extraction Pilot Project	Increase Water Supply	Conjunctive Use/ Banking	Fair
29	Yes	CSJWCD BN Intermodal ponds	Increase Water Supply	Conjunctive Use/ Banking	Fair
35	Yes	Lodi Non-Potable Surface Water Distribution System	Increase Water Supply	Recycled Municipal Water	Fair
38	Yes	Renewal of SEWD/CSJWCD CVP contracts	Increase Water Supply	Water Rights and Contracts	Good
39	Yes	NSJWCD Permit 10477 renewal (expired 2002)	Increase Water Supply	Water Rights and Contracts	Good
40	Yes	SJCo Environmental Health Mobile Home Park Drinking Water Supply	Improve Water Quality	Drinking Water Treatment and Distribution	Fair



2014 Eastern San Joaquin Integrated Regional Water Management Plan

Project Number	Carry Forward?	Project	Primary Management Objective	Resource Management Strategy	Quality of Information
43	Yes	Thornton Wastewater Treatment Improvements	Improve Water Quality	Wastewater Treatment	Fair
44	Yes	CSJWCD Surface Water Delivery (In-lieu Incentive) Program	Practice Resource Stewardship	Economic Incentives (Loans, Grants, Water Pricing)	Fair
47	Yes	Mormon Slough Bypass Channel and Restoration	Improve Flood Management	Floodwater management	Fair
69	Yes	SJCFCWCD Ardelle Avenue Stormwater Improvements	Improve Flood Management	Stormwater management	Fair
70	Yes	Smith Canal	Improve Flood Management	Stormwater management	Good
71	Yes	Wisconsin Avenue Pump Station	Improve Flood Management	Stormwater management	Good
72	Yes	Gill Creek and Woodbridge Road Flood Control	Improve Flood Management	Stormwater management	Poor



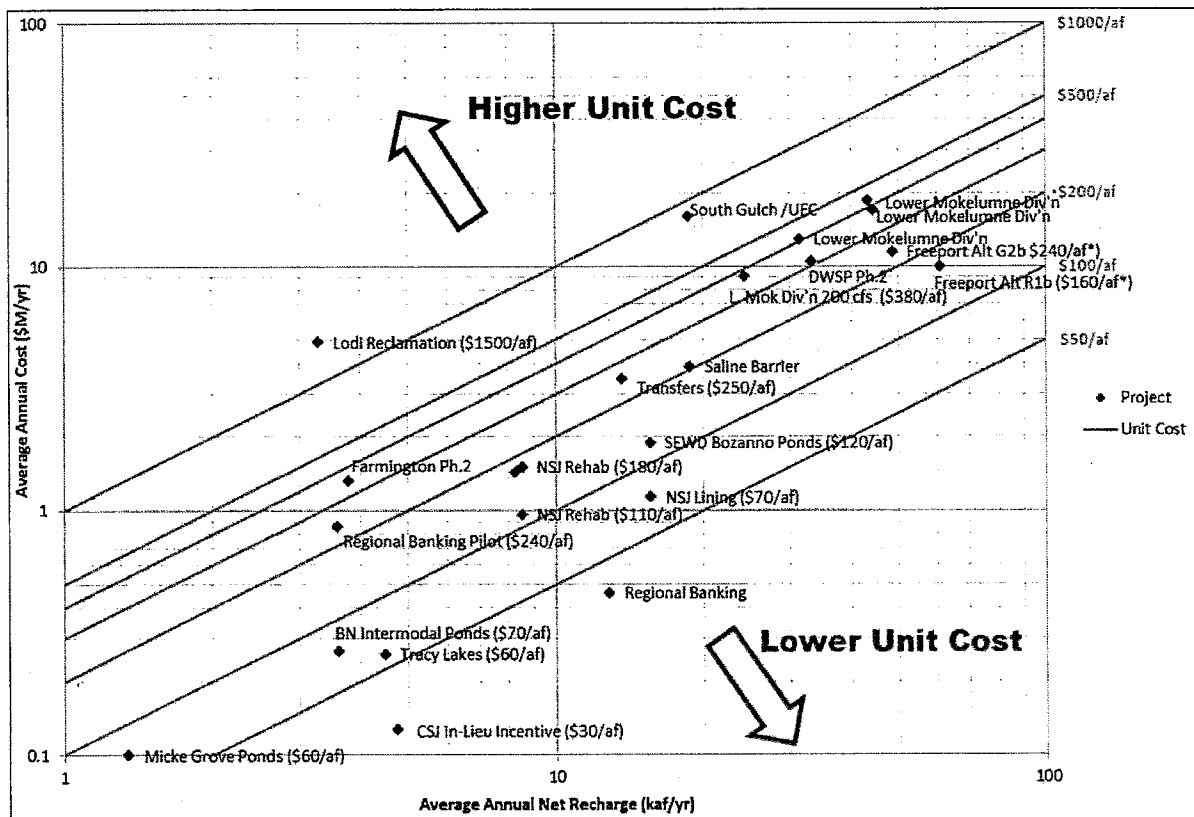
2014 Eastern San Joaquin Integrated Regional Water Management Plan

- Compatibility
- Environmental Constraints
- Implementability

Reliability and Sustainability – were evaluated based on availability of supplemental water supplies from existing water rights and filings, the availability of conveyances, source water quality, and adaptability of water sources to climate change. The ability of projects to provide increased storage, the ability to provide water through drought periods, ability to meet planned future demands, the level of treatment required, and the efficiency of meeting water supply demands through maximizing water conservation and reclamation opportunities were factors considered. Flood management projects were evaluated based on their ability to function under a range of flooding scenarios.

Economics – were evaluated by tabulating project capital operation and maintenance costs and potential revenues from water banking arrangements, less offsets from project mitigation costs. A unit cost of water delivered was calculated for water supply projects, and a benefit:cost ratio was computed for flood management projects where this information was available. A summary of unit costs is presented as Figure 12-3.

Figure 12-3 Annual Cost, Net Recharge, and Unit Cost of Selected Projects



Weekly Water Report		As of: Sept. 18, 2017	As of: Sept. 25, 2017
New Hogan (NHG) TOC	317,100		AF
Storage:	202,729		AF
Net Storage Change:	-2,712		AF
Inflow:	1		CFS
Release:	157		CFS
New Melones (NML) Allocation	75,000		AF
Storage:	2,027,792		AF
Net Storage change:	-7,932		AF
Inflow:	1,003		CFS
Release:	1,460		CFS
Source: CDEC Daily Reports			

Goodwin Diversion (GDW)		
Inflow (Tulloch Dam):	1,452	CFS
Release to Stanislaus River (S-98):	402	CFS
Release to OID (JT Main):	645	CFS
Release to SSJID (SO Main):	246	CFS
Release to SEWD:	<u>132</u>	CFS
Total Release	1,425	CFS
Source: Tri-Dam Operations Daily Report		
Farmington Dam (FRM)		
Diverted to SEWD:	86	CFS
Diverted to CSJWCD:	49	CFS
Source: USACE WCDS Hourly Report		

Surface Water Used		
Irrigators on New Hogan:	6	
Irrigators on New Melones:	2	
DJWWTP Production:	31	MGD
North Stockton:	0	MGD
South Stockton:	5	MGD
Cal Water:	26	MGD
City of Stockton DWSP Production:	26	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.

THIS PAGE
INTENTIONALLY
LEFT BLANK

Please join us for the 24th Annual Pardee BBQ

Friday, October 6, from 11:30 AM - 2:00 PM

Speakers

Keynote Speaker

Bruce Blodgett

Executive Director,
San Joaquin County Farm Bureau

Lesa R. McIntosh

Board President

Alexander R. Coate

General Manager

Richard G. Sykes

Director of Water & Natural Resources

Each year we gather together in a relaxed, setting overlooking Pardee Reservoir to celebrate our partnerships and to discuss projects and current events. Our theme is *Managing water together in times of drought and times of plenty*. Our speakers will cover topics including flood management, regional collaboration and fisheries. The 6th Annual Frank Beeler Award will also be presented. We look forward to celebrating with you.

Directions to Pardee Center

McLean Hall, Pardee Center

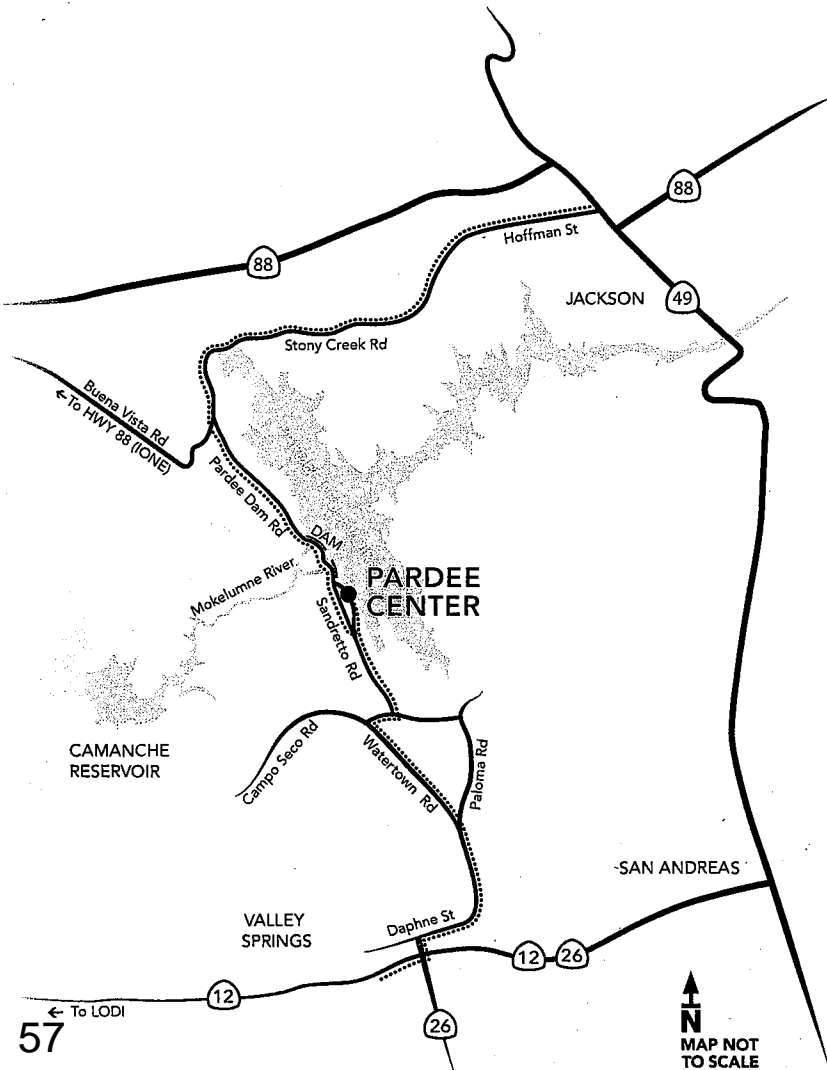
3535 Sandretto Road, Valley Springs CA

From Jackson:

- From Highway 49 take Hoffman Street/Stony Creek Road
- Continue on Stony Creek Road, turn left on Pardee Dam Road and cross the dam and spillway
- Continue on Pardee Dam Road/Sandretto Road and turn left at the south gate of Pardee Center
- Continue up the driveway to the parking area

From Valley Springs:

- At the intersection of Highways 12 and 26, turn north on Laurel Street
- Take the first right onto Daphne Street
- Continue onto Paloma Road
- Take a slight left onto Watertown Road
- Turn right onto Campo Seco Road
- Make a quick left turn onto Sandretto Road
- Continue 2.9 miles to the south gate of Pardee Center and turn right
- Continue up the driveway to the parking area



THIS PAGE
INTENTIONALLY
LEFT BLANK



**STOCKTON
EAST WATER
DISTRICT**

PROVIDING SERVICE SINCE 1968

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

September 21, 2017

The Honorable Jerry Brown
Governor, State of California
State Capitol, Suite 1173
Sacramento, CA 95814

RE: Request for Signature on Assembly Bill 313 (Gray) – Water Rights Fairness

Dear Governor Brown:

On behalf of Stockton East Water District, I write in support of AB 313, landmark water rights fairness legislation introduced by Assemblyman Adam Gray (D-Merced). This good governance bill will restore fundamental fairness currently lacking in California's water rights management. AB 313 passed the Legislature with strong bipartisan support and awaits your signature. We urge you to sign it into law without delay.

AB 313 ensures water rights holders are afforded the same basic objectivity and due process our justice system promises *all* – nothing more, nothing less. The bill establishes a new water rights management structure, requiring that specially trained administrative law judges conduct water rights enforcement hearings. This intermediate transfer of power ensures a neutral body will efficiently adjudicate complex, often controversial, and critically important water rights matters.

Currently, the State Water Resources Control Board (SWRCB) writes regulations, initiates enforcement actions, and conducts water rights hearings. As a result, many water rights holders feel coerced to settle administrative actions initiated by the SWRCB, rather than seek a resolution in the present process.

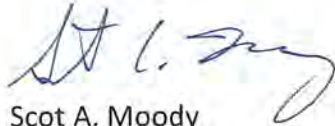
AB 313 establishes a Water Rights Division in the Office of Administrative Hearings (OAH) to handle all water rights enforcement matters. Specially trained administrative law judges will conduct hearings and submit a decision to the full SWRCB for adoption or amendment, a shift ensuring everyone is treated with the level of fairness our Constitution requires. The Senate Judiciary Committee recognized that the bill improves existing law while making no impact on environmental protections. AB 313 removes conflicts and inefficiencies, and guarantees hearings are run with requisite legal expertise.

The bill received overwhelming bipartisan support through the Assembly and Senate, a clear sign that the issue resonates across the state. The procedural structure it creates is similar to that recently adopted for the Board of Equalization.

Nothing in AB 313 guarantees a better outcome for the water rights holder. It doesn't pick winners or losers, nor does it favor one constituency over the other. It simply allows for the constitutional protection of due process to be afforded to the state's water users.

I urge you to act immediately to sign AB 313 to make our water rights administration function more effectively, efficiently and fairly.

Sincerely,

A handwritten signature in blue ink, appearing to read "Scot A. Moody". The signature is stylized with a large, sweeping "S" and a long, horizontal stroke extending to the right.

Scot A. Moody
General Manager