DSRSD•EBMUD Recycled Water Authority (DERWA) Board of Directors

NOTICE OF REGULAR MEETING

TIME:

6:00 p.m.

DATE: Monday, June 23, 2014

PLACE:

Dublin San Ramon Services District Boardroom

7051 Dublin Boulevard Dublin, California 94568

AGENDA

The mission of the DSRSD •EBMUD Recycled Water Authority is to maximize the amount of recycled water delivered while recovering its costs; in doing so it will provide a reliable and consistent supply of recycled water to DSRSD and EBMUD for service to each of the agencies' customers.

(Next Resolution No. 14-2)

Recommended Action

- 1. CALL TO ORDER
- 2. PLEDGE TO THE FLAG
- 3. ROLL CALL Members: Howard, Coleman, Vonheeder-Leopold, and Mellon Alternates: Duarte and Foulkes
- 4. SPECIAL ANNOUNCEMENTS/ACTIVITIES
- 5. PUBLIC COMMENT (Meeting Open to Public)
 At this time, those in the audience may address the Board on any item not already included in the agenda. Comments should not exceed five minutes. If this is not

included in the agenda. Comments should not exceed five minutes. If this is not considered sufficient time to address the issue, please arrange with the Secretary to have that item placed on the agenda for a future Board meeting.

6. <u>APPROVE MINUTES</u>

Special Board Meeting of April 28, 2014

Approve by Motion

7. CONSENT CALENDAR

Matters listed under this item are considered routine and will be enacted by one action in the form listed below. There will be no separate discussion of these items unless requested by a Member of the Board or the public prior to the time the Board votes on the Motion to adopt.

A. Treasurer's Reports for April 30 and May 31, 2014

Approve by Motion

B. Approve Task Order No. 12 for Fiscal Year 2014-15 for Public Information Services with ICF International (Formerly Jones & Stokes Associates)

Approve by Motion

8.	ROAL	RD BUSINESS	Recommended Action
0.	A.	Adopt the San Francisco Bay Area Integrated Regional Water Management Plan Update	Approve by Resolution
	В.	Agreement with Association of Bay Area Governments/San Francisco Estuary Partnership for the 2014 IRWM Drought Solicitation – San Francisco Bay Area Grant Application	Approve by Motion

9. MANAGER'S REPORTS

- Capital Projects Update None
- Confirm Next Meeting Date August 25, 2014

10. BOARDMEMBER ITEMS

11. ADJOURNMENT

Information about and copies of supporting materials on agenda items are available for public review at 7051 Dublin Boulevard, Dublin, at the Reception Desk, or by calling the Authority Secretary at (925) 828-0515. A fee may be charged for copies. During the meeting, information and supporting materials are available by the doorway into the Boardroom. Authority facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the Authority Secretary as soon as possible, but at least two days prior to the meeting.

DSRSD • EBMUD RECYCLED WATER AUTHORITY (DERWA)

Board of Directors Special Meeting Minutes Monday, April 28, 2014

Dublin San Ramon Services District 7051 Dublin Boulevard, Dublin, California

1. CALL TO ORDER - Chair Mellon called the DSRSD • EBMUD Recycled Water Authority (DERWA) meeting to order at 7:00 p.m. at the Dublin San Ramon Services District Boardroom.

2. PLEDGE TO THE FLAG

3. ROLL CALL – Directors present: Chair Frank Mellon, Director D.L. (Pat) Howard, Director Georgean Vonheeder-Leopold, and Director Katy Foulkes. DERWA Staff present: James Bewley, Authority Manager; Richard Lou, Treasurer; Robert Maddow, General Counsel; and Nancy Gamble Hatfield, Authority Secretary.

4. Board Reorganization

A. Election of Board Chair

Motion by Director Foulkes, Second by Director Vonheeder-Leopold to elect Director Howard as DERWA Board Chair for 2014. Motion carried (4-0) by the following vote:

AYES:

Foulkes, Vonheeder-Leopold, Howard, Mellon

NOES:

B. Election of Board Vice Chair

Motion by Director Mellon, Second by Director Foulkes to elect Director Coleman as DERWA Board Vice Chair for 2014. Motion carried (4-0) by the following vote:

AYES:

Mellon, Foulkes, Vonheeder-Leopold, Howard

NOES:

C. Appointment of Secretary

Motion by Director Mellon, Second by Director Vonheeder-Leopold to appoint Nancy Gamble Hatfield as the continuing DERWA Secretary for 2014. Motion carried (4-0) by the following vote:

AYES:

Mellon, Vonheeder-Leopold, Foulkes, Howard

NOES:

5. SPECIAL ANNOUNCEMENTS/ACTIVITIES

6. PUBLIC COMMENT – 6:04 p.m. – None received.

7. APPROVE MINUTES - Regular Meeting of October 28, 2013

Motion by Director Mellon, Second by Director Vonheeder-Leopold to approve the minutes from the Regular Meeting of *October 28, 2013.* Motion carried (3-0-1) by the following vote:

AYES:

Mellon, Vonheeder-Leopold, Howard

NOES:

ABSTENTIONS:

Foulkes

8. CONSENT CALENDAR

A. Treasurer's Reports for October 31, November 30, December 31, 2013, January 31, February 28 and March 31, 2014

B. Quarterly Investment Reports – September 30, December 31, 2012 and March 31, 2014

C. DERWA Investment Policy

Authority Manager Bewley highlighted a discrepancy on Item 8.A. The Treasurer's Report should reflect approval for the report periods between October 2013 and March 2014, not 2012 and 2013 as incorrectly described in the Summary.

Motion by Director Foulkes, Second by Director Mellon to approve the Consent Calendar items, including the correction noted to Item 8.A. Motion carried (4-0) by the following vote:

AYES:

Foulkes, Mellon, Vonheeder-Leopold, Howard

NOES:

9. BOARD BUSINESS

A. Approve and Adopt the Fiscal Year 2014-15 Capital and Operating Expenditure Budget

Authority Manager Bewley presented the Fiscal Year 2014-15 Capital and Operating Expenditure Budget for Board consideration. Mr. Bewley explained his time on the DERWA Program Operations, shown in Table 6, were significantly less than budgeted with much of his effort during the year on the Pleasanton recycled water supply agreement charged as a capital expense.

He discussed and described the New and Continuing Capital Projects listed on page 13 that include: Permanent Supplemental Water Supply; New/Replacement Capital items less than \$50,000 each; DERWA share of the DSRSD SCADA Upgrade; Pump Station R1 VFD (Variable Frequency Drives) Replacement; and Reservoir R200 Chemical Addition System.

Director Mellon mentioned a recent City of San Ramon meeting he attended where there was discussion about the lack of adequate availability of recycled water in some parts of the City.

Mr. Bewley acknowledged Director Mellon's comment and told him that recycled water distribution lines are not on the west side of I-680 but that the Dougherty Valley has recycled water lines.

Directors further discussed different areas within San Ramon and Dublin and the availability and challenges of delivering recycled water to those areas.

Motion by Director Vonheeder-Leopold, Second by Director Mellon to approve Resolution No. 14-1 approving and adopting the Fiscal Year 2014-2015 Capital and Operating Expenditure Budget. Motion carried (4-0) by the following vote:

AYES:

Vonheeder-Leopold, Mellon, Foulkes, Howard

NOES:

10. MANAGER'S REPORT

- Capital Projects Update None.
- <u>Confirm Next Meeting Date</u> June 23, 2014 Directors confirmed they could attend the next regular meeting on June 23, 2014.

11. BOARDMEMBER ITEMS - None.

12. ADJOURNMENT

Chair Howard adjourned the meeting at 7:16 p.m.

Submitted by,

Nancy Gamble Hatfield Authority Secretary

DERWA Summary & Recommendation

April 30, 2014 Treasurer's Report May 31, 2014 Treasurer's Report

Summary:

Attached are the Treasurer's Reports for the months ending April 30 and May 31, 2014 submitted by Treasurer Richard Lou.

Recommendation:

The Treasurer recommends the Board approve, by Motion, the Treasurer's Reports for the months ending April 30 and May 31, 2014 submitted by Treasurer Richard Lou.

June 23, 2014

Attachments

Reviewed bearingh

Prepared by RL

DSRSD/EBMUD RECYCLED WATER AUTHORITY TREASURER'S REPORT FOR APRIL 30, 2014

STAFF REPORT

Attached is the DERWA Treasurer's Report for the month ending April 30, 2014. A summary of transactions and recommendation follows.

<u>Revenues/Funding</u>: During the month, \$330,976 in agency reimbursements were received. Fiscal year-to-date Revenues/Funding totaled \$1,737,784, of which \$1,537,784 represents agency reimbursements and \$200,000 represents refunds.

Expenses: Current month expenditures were zero. Fiscal year-to-date expenditures for FY14 total \$1,031,609, of which \$1,030,024 are operating expenses and \$1,585 are capital expenses. Expenditures do not reflect all staff and consultant costs incurred but not yet billed to DERWA in FY14.

Cash: The cash balance at April 30, 2014 was \$123,010.

Submitted by:

Richard Lou Treasurer

Dated: May 1, 2014

Prepared by (D.Gulseth)
Reviewed by (L.Fan)
Reviewed by (S. Klein)

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DSRSD/EBMUD RECYCLED WATER AUTHORITY TREASURER'S REPORT FOR THE PERIOD ENDED APRIL 30, 2014

CAPITAL - PROJECT	Program Budget @ FY14	Expenditures FY 13 and Prior (a)	Expenditures Current Month	Expenditures FY 14 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP
Pipeline Reach 1	7,561,000	7,560,517	0	0	7,560,517	4,383,920	3,176,597
Pipeline Reach 2	4,558,000	4,558,120	0	0	4,558,120	3,882,264	675,856
Pipeline Reach 3	2,286,000	2,286,003	0	0	2,286,003	1,719,204	566,799
Pipeline Reach 4	1,615,000	1,614,959	0	0	1,614,959	363,685	1,251,274
Pipeline Reach 5	1,431,000	1,430,991	0	0	1,430,991	200,195	1,230,796
Pipeline Reach 6	6,760,000	6,759,869	0	0	6,759,869	430,784	6,329,085
Treatment Plant	15,733,000	15,732,794	0	0	15,732,794	8,948,843	6,783,951
Pump Stations	8,563,000	8,563,294	0	0	8,563,294	6,776,648	1,786,646
Water Tanks	12,393,000	12,393,483	0	0	12,393,483	7,221,552	5,171,931
Phase 2 Pipeline & Pump Station	3,851,000	3,462,938	0	0	3,462,938	0	3,462,938
Backbone Corrosion	1,109,000	1,109,004	0	0	1,109,004	122,302	986,702
SCADA	290,000	15,410	0	0	15,410	8,784	6,626
EBMUD Pipeline Phase 2, 3 &4	2,477,000	602,193	. 0	0	602,193	0	602,194
Fine Screening	667,000	667,096	0	0	667,096	380,244	286,852
New/Replacement Capital <50K	1,278,000	136,936	0	0	136,936	78,054	58,882
MF/UV Control Programing Update	144,000	144,366	0	0	144,366	82,289	62,077
Program Planning & Air Relief	11,564,000	5,716,001	0	1,585	5,717,586	2,829,808	2,887,778
Planning FY02 and Prior Years	0	3,585,898	0	0	3,585,898	1,757,090	1,828,808
Design FY02 and Prior Years	0	79,432	0	0	79,432	38,922	40,510
Contingency	1,000,000	0	0	0	0	0	1,0,0,0
Capitalized Interest	2,000,000	1,960,872	0	0	1,960,872	960,827	1,000,045
Total Capital Impr. Proj. Element	85,280,000	78,380,176	0	1,585	78,381,761	40,185,414	38,196,347
OPERATING - ITEM	Budget FY 14	Expenditures FY 12 and Prior (a)	Expenditures Current Month	Expenditures FY 13 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXE
		The Wilder Company of the				THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	The second second

OPERATING - ITEM	Budget FY 14	Expenditures FY 12 and Prior (a)	Expenditures Current Month	Expenditures FY 13 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
DERWA Program Manager	123,050	2,564,801	0	45,885	2,610,686	2,062,441	548,245
Treasurer	43,500	2,595,706	0	23,698	2,619,404	2,069,329	550,075
Legal Counsel	3,000	414,399	0	1,918	416,317	328,890	87,427
Secretary	10,250	181,740	0	3,692	185,432	146,492	38,940
Other	115,000	774,529	0	102,414	876,943	692,785	184,158
Operation and Maintenance Detail	1,773,560	7,676,073	0	852,417	8,528,490	6,737,508	1,790,982
Debt Service	1,645,513	13,801,486	0	0	13,801,486	10,903,174	2,898,312
Total Operating Program Element	3,713,873	28,008,734	0	1,030,024	29,038,758	22,940,619	6,098,139

PROJECT TOTALS	88,993,873	106,388,910	0	1,031,609	107,420,519	63,126,032	44,294,486	ı
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REVENUES & FUNDING	Current Month	Fiscal Year
Agency Contribution		
DSRSD	0	0
EBMUD	0	0
Agency Reimbursements - DSRSD	98,192	1,221,157
Agency Reimbursements - EBMUD	232,784	316,627
Commercial Paper Issued	0	0
Corps of Engineer Funded	0	200,000
Grants	0	0
Loans	0	0
Interest Income	0	0
Misc Income	0	0
TOTAL REVENUES & FUNDING	330,976	1,737,784

CASH AVAILABLE	Current Month	Fiscal Year		01
Beginning Cash	(207,966)	(583,165)	Prepared by	000
Beginnning Balance Adjustment	0	0	137	-
LAIF Int Adjustment	0	0	Reviewed by	4
Commercial Paper payoff	0	0		-
Total Revenues & Funding	330,976	1,737,784	Approved by	9
Total Expenditures	0	(1,031,609)		
Ending Cash	123,010	123,010	1	

Scott Klein

SUBJECT

Date: 5/8/14

Date: 4/8/14

Edward Klein

Date: 5/9

Scott Klein

			DSRSD/EBMUD RECYCLED WATER AUTHORITY SUMMARY OF EXPENDITURES FOR THE PERIOD EMDED APRIL 30, 2014	and the second s							
Check Date	Check Number	Payce	Category	TOTAL Amount	DSRSD Amount	EBMUD Amount	Operating	Capital	CK-OP		
							0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	#DI(Vio) #DI	#DIV/C! #DIV/O!
Certificates of WK Ending 4/4/11/14 4/18/14 4/25/14 refund				0.00	0,00 l	0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00]	0.00 0.00 0.00 0.00	#DIV/OI #DIV/OI	#DIV/0! #DIV/0! #DIV/0!

Prepared by Would Date: 4-28-14

Dam Gulseth
Reviewed by Lawrence Fair Date: 5 Sout Kiein

Date: 5 Sout Kiein

DERWA CASH REPORT

Cash Balance as of

03/31/14

(207,967.04) Reconciled to DERWA TR previous month cash basis

Add member agency's contribution:

LAIF Interest Income

Loans

DSRSD Contribution

EBMUD Contribution

Agency Reimbursements - DSRSD

Agency Reimbursements - EBMUD

State Grant LAVWMA Other Reimbursements- Misc

Less invoice payments:

EBM-DEO-008

EBM-DEO-00206 & 207

98,192.31 04/18/14

232,783.78 4/15/14, 4/30/14

Cash Balance as of 03/31/14 123,009.05 Rounding Cash Balance 03/31/14

Date

Date

0.95

123,010.00

Date

DSRSD/EBMUD RECYCLED WATER AUTHORITY TREASURER'S REPORT FOR MAY 31, 2014

STAFF REPORT

Attached is the DERWA Treasurer's Report for the month ending May 31, 2014. A summary of transactions and recommendation follows.

Revenues/Funding: During the month, \$1,625,514 in agency reimbursements were received. Fiscal year-to-date Revenues/Funding totaled \$3,163,298, of which \$3,163,298 represents agency reimbursements.

Expenses: Current month expenditures were \$231,995, of which \$202,876 was expensed and \$29,119 was capitalized. Fiscal year-to-date expenditures for FY14 total \$1,263,605 of which \$1,232,901 are operating expenses and \$30,704 are capital expenses. Expenditures do not reflect all staff and consultant costs incurred but not yet billed to DERWA in FY14.

Cash: The cash balance at May 31, 2014 was \$1,316,529.

Submitted by:

Richard Lou

Treasurer

Dated: June 4, 2014

Prepared by (D.Gulseth)
Reviewed by (L.Fan)
Reviewed by (S. Klein)

File: W:\Derwa\Treasurer's Report\Summary & Recommendation.doc

DSRSD/EBMUD RECYCLED WATER AUTHORITY TREASURER'S REPORT FOR THE PERIOD ENDED MAY 31, 2014

CAPITAL - PROJECT	Frogram Budget @ FY14	Expenditures FY 13 and Prior (a)	Expenditures Current Month	Expenditures FY 14 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
Pipeline Reach 1	7,561,000	7,560,517	0	0	7,560,517	4,383,920	3,176,597
Pipeline Reach 2	4,558,000	4,558,120	0	0	4,558,120	3,882,264	675,856
Pipeline Reach 3	2,286,000	2,286,003	0	0	2,286,003	1,719,204	566,799
Pipeline Reach 4	1,615,000	1,614,959	0	0	1,614,959	363,685	1,251,274
Pipeline Reach 5	1,431,000	1,430,991	0	0	1,430,991	200,195	1,230,796
Pipeline Reach 6	6,760,000	6,759,869	0	0	6,759,869	430,784	6,329,085
Treatment Plant	15,733,000	15,732,794	0	0	15,732,794	8,948,843	6,783,951
Pump Stations	8,563,000	8,563,294	0	0	8,563,294	6,776,648	1,786,646
Water Tanks	12,393,000	12,393,483	0	0	12,393,483	7,221,552	5,171,931
Phase 2 Pipeline & Pump Station	3,851,000	3,462,938	0	0	3,462,938	0	3,462,938
Backbone Corrosion	1,109,000	1,109,004	0	0	1,109,004	122,302	986,702
SCADA	290,000	15,410	0	0	15,410	8,784	6,626
EBMUD Pipeline Phase 2, 3 &4	2,477,000	602,193	0	0	602,193	0	602,194
Fine Screening	667,000	667,096	30,704	30,704	697,800	397,746	300,054
New/Replacement Capital <50K	1,278,000	136,936	0	0	136,936	78,054	58,882
MF/UV Control Programing Update	144,000	144,366	0	0	144,366	82,289	62,077
Program Planning & Air Relief	11,564,000	5,716,001	(1,585)	0	5,716,001	2,829,031	2,886,970
Planning FY02 and Prior Years	0	3,585,898	0	0	3,585,898	1,757,090	1,828,808
Design FY02 and Prior Years	0	79,432	0	0	79,432	38,922	40,510
Contingency	1,000,000	0	0	0	0	0	0
Capitalized Interest	2,000,000	1,960,872	0	0	1,960,872	960,827	1,000,045
Total Capital Impr. Proj. Element	85,280,000	78,380,176	29,119	30,704	78,410,880	40,202,139	38,208,741

OPERATING - ITEM	Budget FY 14	Expenditures FY 12 and Prior (a)	Expenditures Current Month	Expenditures FY 13 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
DERWA Program Manager	123,050	2,564,801	15,695	59,025	2,623,826	2,072,822	551,004
Treasurer	43,500	2,595,706	4,229	30,091	2,625,797	2,074,379	551,418
Legal Counsel	3,000	414,399	536	2,453	416,852	329,313	87,539
Secretary	10,250	181,740	752	4,444	186.184	147,085	39.099
Other	115,000	774,529	(4,777)	97,637	872,166	689,011	183,155
Operation and Maintenance Detail	1,773,560	7,676,073	186,441	1,039,251	8,715,324	6.885,106	1,830,218
Debt Service	1,645,513	13,801,486	0	0	13,801,486	10,903,174	2,898,312
Total Operating Program Element	3,713,873	28,008,734	202,876	1,232,901	29,241,635	23,100,890	6,140,745

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PROJECT TOTALS	88,993,873	106,388,910	231,995	1,263,605	107,652,515	63,303,028	44,349,486

REVENUES & FUNDING	Current Month	Fiscal Year	
Agency Contribution			
DSRSD	0	0	
EBMUD	0	0	
Agency Reimbursements - DSRSD	845,794	2.066,951	
Agency Reimbursements - EBMUD	779,720	1,096,347	
Commercial Paper Issued	0	0	
Corps of Engineer Funded	0	0	
Grants	0	0	
Loans	0	0	
Interest Income	0	0	
Misc Income	. 0	0	
TOTAL REVENUES & FUNDING	1,625,514	3,163,298	

CASH AVAILABLE	Current Month	Fiscal Year	
Beginning Cash	(76,990)	(583,165)	Prepared by Mulett Date: 6-3-14
Beg. Balance Adjrounding	0	1	
LAIF Int Adjustment	0	0	Reviewed by Date: 0(4/4
Commercial Paper payoff	0	0	No. Mr.
Total Revenues & Funding	1,625,514	3,163,298	Approved by Date: 6 H
Total Expenditures	(231,995)	(1,263,605)	Scott Klein
Ending Cash	1,316,529	1,316,529	

DSRSD/EBMUD RECYCLED WATER AUTHORITY SUMMARY OF EXPENDITURES FOR THE PERIOD ENDED May 31, 2014

Check	Check	Payee	Category	TOTAL	DSRSD	EBMUD	1	Operating	Capital	CK-OP		
Date	Number	The state of the s	110.000.000.000.000.000.000	Amount	Amount	Amount						
05/02/14	2431943	Bold Polisner Maddow	Op-Legal (76/24)	64.50	49.02	15.48	0	64,50	0.00	64.50	76.0%	24.0%
05/02/14	2431985	EBMUD	Op-Cost Acct (76/24) O Treas	2,734.02	2,077.86	656.16	0	2,734.02	0.00	2,734.02	76.0%	24.0%
05/02/14	2431988	EBMUD	Op-Cost Acct (76/24) O Treas	1,494.50	1,135.82	358,68	0	1,494.50	0.00	1,494,50	76.0%	24.0%
05/02/14	2432037	ICF Jones & Stokes	Op-Prg Mgr Public Info(49/51 split)	6,402.62	3,137,28	3,265.34	0	6,402.62	0.00	8,402,62	49.0%	51.0%
05/02/14	2432109	Office team	Op-Prg Mgr Staff (76/24)	427.50	324.90	102.60	0	427.50	0.00	427.50	76.0°5	24.0%
05/02/14	2432109	Office team	Op-Prg Mgr Staff (76/24)	320,63	243.58	76.95	0	320.63	0.00	320,63	75.0%	24.0%
05/02/14	2431980	DSRSD - February invoice	Cap-Fine screening design (57/43)	5,132,42	2,925,48	2,206.94	C	0.00	5,132.42	0.00	57.0%	43.0%
05/02/14	2431980	DSRSD - February invoice	Op-Prg Mgr Other (76/24 split)	721.41	548.27	173.14	0	721.41	0.00	721.41	76.0%	24.0%
05/02/14	2431980	DSRSD - February Invoice	Op-Secretary-Salary (76/24 split)	357,96	279,65	88.31	0	367.96	0.00	367.96	76.0%	24.0%
05/02/14	2431980	DSRSD - February invoice	Op-Secretary-Expense (76/24 split)	2.88	2.19	0.69	0	2.88	0.00	2.88	76.0%	24.0%
05/02/14	2431980	DSRSD - February invoice	Op-operations (76/24 split)	56,797.41	43,166.03	13,631.38	0	56,797.41	0.00	58,797,41	76.0%	24.0%
05/02/14	2431980	DSRSD - February invoice	Op-Public Info (76/24 split)	81.12	61.65	19.47	0	81.12	0.00	81,12	76.0%	24.0%
05/01/14	Refund	ICF Jones & Stokes 3/21 pyrnt	Op-Prg Mgr Public Info(49/51 split)	(1,677,50)	(821.98)	(855.53)	0	(1,877,50)	0.00	(1,677.50)	49.D%	51.0%
from 3/21	Check return	SF- Alliant Insurance	Op- Insurance (76/24)	(4,776.82)	(3,630.38)	(1,146.44)	0	(4,778.82)	0.00	(4,776,82)	76.0%	24.0%
Y-T-D	Correction	J. Bewley Invoices	Op-Public Info (76/24 split)	4,141.91	3,147.85	994.06	0	4,141.91	0.00	4,141.91	76.0%	24.0%
Y-T-D	Correction	J. Bewley Invoices	Cap- Public Infor OP Plan (49/51 split)	(4,141,91)	(2,029.54)	(2,112.37)	C	0.00	(4,141,91)	0.00	49.0%	51.0%
05/23/14	2433183	Bold Polisner Maddow	Op-Legal (76/24)	471.00	357.96	113.04	0	471.00	0.00	471.00	76.055	24.0%
05/23/14	2433219	DSRSD - March invoice	Cap-CIP (57/43 split)	25,571.55	14,575,78	10,995,77	C	0.00	25,571.55	0.00	57.0%	43.0%
D5/23/14	2433219	DSRSD - March invoice	Op-Prg Mgr Other (76/24 split)	721.41	548.27	173,14	0	721.41	0.00	721.41	76.0%	24.0%
05/23/14	2433219	DSRSD - March invoice	Op-Operations (76/24 split)	129,643.70	98,529.21	31,114.49	0	129,643.70	0.00	129.643.70	76.0%	24.0%
05/23/14	2433219	DSRSD - March invoice	Op-Secretary-Salary (76/24 split)	378.40	287.58	90.82	0	378.40	0.00	378.40	76.006	24.0%
05/23/14	2433219	DSRSD - March invoice	Op-Secretary-Expense (76/24 split)	2.93	2.23	0.70	0	2.93	0.00	2.93	76.0%	24.0%
05/23/14	2433219	DSRSD - March invoice	Op-Prg Mgr Public Info(49/51 split)	1,402.62	687.28	715.34	0	1,402.52	0.00	1,402,62	49.0%	51.0%
05/23/14	2433232	Fed Ex	Op-Prg Mgr Other (76/24 split)	102.42	77.84	24.58	0	102.42	0.00	102.42	76.0%	24.0%
05/23/14	2433272	ICF Jones & Stokes	Op-Prg Mgr Public Info(49/51 split)	4,161.42	2,039.10	2,122.32	0	4,161.42	0.00	4,151,42	49.0%	51.0%
05/23/14	2433399	Sodexo, Magic- SRCenter	Op-Prg Mgr Public Info(49/51 split)	1,446.87	708,97	737.90	0	1,446.87	0.00	1,446.87	49.0%	51.0%
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Date: _

Reviewed by

Approved by

DERWA CASH REPORT

Cash Balance as of

04/30/14

(76,990.95) Reconciled to DERWA TR previous month cash basis

Add member agency's contribution:

LAIF Interest Income

Loans

DSRSD Contribution EBMUD Contribution

Agency Reimbursements - DSRSD

Agency Reimbursements - EBMUD

State Grant LAVWMA

Other Reimbursements- Misc

Less invoice payments:

Bold Polisner Maddow EBMUD

EBMUD ICF

Office team Office team

DSRSD

ICF Jones & Stokes Refund Alliant Insurance -check returned

Bold Polisner Maddow DSRSD Fed Ex

ICF

Sodexo-San Ramon Conference Center

EBM-DEO-00209 EBM-DEO-00210

845,794.18 05/13/14

779,719.78 05/16/14

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Cash Balance as of

05/31/14

1,316,528.04

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Cash Balance 05/31/14

0.96

1,316,529.00

6/3/14 4:33 PM

Prepared by

Reviewed by

Approved by

Date Date

Date

DERWA Summary & Recommendation

<u>Approve Task Order No. 12 for Fiscal Year 2014-15 for Public Information Services</u> <u>with ICF International (Formerly Jones & Stokes Associates)</u>

Summary:

The DERWA Public Information Program has been supporting the San Ramon Valley Recycled Water Program during construction, startup and operation phases. The DERWA Public Information Program is coordinated by the Public Affairs Committee made up of public information staff of the member agencies. The program activities include:

- Plan and Facilitate the annual Communications Roundtable Exercise
- On-call Communications Support
- Web Site Maintenance

Proposed Task Order No. 12 continues the transition from nearly full reliance on consultant support for the DERWA Public Information Program to agency staff leading most of the Public Affairs activities. The work proposed for ICF International for July 2014 through June 2015 will be planning and facilitation of the annual Communications Roundtable Exercise and supporting the maintenance of the San Ramon Valley Recycled Water Program web site. The estimated cost of the work for Task Order No. 12 is \$33,800.

Recommendation:

The Authority Manager recommends that the DERWA Board of Directors, by Motion, approve Task Order No. 12 to the August 18, 2008 Professional Services Agreement with ICF International for the period July 2014 through June 2015 in an amount not to exceed \$33,800.

June 23, 2014

Attachment

Reviewed by Angle

Dublin San Ramon Services District – East Bay Municipal Utility District Recycled Water Authority (DERWA) Operations Phase Public Information / Community Outreach Program Draft Scope of Work - Task Order 12 July 1, 2014 – June 30, 2015

Task 12. Public Information / Community Outreach Activities

1.1 Communications Roundtable

1.1.1 Organize and implement the annual Communication Roundtable/Facilities Tour for DSRSD, EBMUD and the City of Pleasanton. In coordination with agency staff, facilitate the planning and logistics for one-day training. Manage the facility arrangements; develop the invitation, agenda, scenarios, and materials, including revisions to the Communication Roundtable Binders. Staff and facilitate the training session.

1.2 On-call Communications Support

1.2.1 Provide communications staff support as needed to the DERWA Authority
Manager or partner agencies for public affairs activities including media relations,
award recognition, agency coordination issues, and construction related
communications for the SRVRWP.

1.3. Web Site Maintenance

1.3.1 Post meeting agendas, reports (water quality, operations), and project materials as well as update web content on as needed basis.

1.3.2 Provide ongoing maintenance of the site. Maintenance will include fixing broken links and updating existing HTML text on the site.

Table 1. Cost Estimate for DERWA Public Information / Communication Roundtable Support - July 1, 2014 - June 30, 2015

			Consult	ing Staff					
5.1.4	D. J. Danie at Dian at	Project	Malkan	Project	Mah Managas	Combin Artist			
Project	Role Project Directo	or Manager	Writer	Coordinator	vveb ivianager	Graphic Artist		4 8	
			Assoc Consult	Assoc Consult				Direct	
Task Labor Classific	ation Proj Dir	Sr Consult I	III -	Ш	Sr Consult II	Sr Consult I	Labor Total	Expenses	Total Price
Task 12. Public Information / Community Outreach Activities						 	\$0		
1.1 Communications Roundtable	30	40	28	50		20	\$26,020		
1.2 On-call Communictions Support	12	12		6			\$5,160		
1.3 Web site maintenance				4	8		\$1,840		K
Total hours	42	52	28	60	8	20			
ICF E&P 2014 Billing Rates	\$210	\$155	\$140	\$130	\$165	\$155			
Subtotals	\$8,820	\$8,060	\$3,920	\$7,800	\$1,320	\$3,100	\$33,020		
Direct Expenses									
523.02 Reproductions								\$250	
523.05 Travel, Auto, incld. Mileage at current IRS rate (.56/n	ile)							\$250	
523.09 Project Supplies			× -			T.		\$200	
Mark up on all non-labor costs and subcontractors:	10%		72					\$70	
Direct expense subtotal								\$770	0.000,000,000,000,000,000
Total price									\$33,790

DERWA Summary & Recommendation

Adopt the San Francisco Bay Area Integrated Regional Water Management Plan Update

Summary:

The San Francisco Bay Area Integrated Regional Water Management Plan (BAIRWMP), originally adopted in 2006, is a planning document that identifies Bay Area water challenges and opportunities and how water resources management agencies and communities can work together to manage water resources for the benefit of the region's residents, its ecosystem and its wildlife. The plan was a requirement of Proposition 84, The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006. The plan was cooperatively updated in 2013 by cities and agencies in nine Bay Area counties, including DSRSD and EBMUD, to meet revised plan standards set forth in the State's *Proposition 84 Integrated Regional Water Management Program Guidelines* published by the Department of Water Resources in August of 2010. Adoption of the BAIRWMP Update is required to obtain State grant funds.

DSRSD and EBMUD have projects that are part of the BAIRWMP. They are jointly seeking Proposition 84 IRWMP Drought Grant Funds under DERWA to maximize their opportunity of grant award. Jointly, they are seeking \$4 million in grant funds--\$2 million for DSRSD and \$2 million for EBMUD. The minimum funding match required is 25% or \$1,333,333, which will be met as the project is currently estimated at \$11.8. The application preparation is currently under way. Award announcement is expected in September 2014.

Under the grant application, DSRSD is seeking to expand its recycled water distribution facilities to western Dublin and Alameda County facilities. EBMUD is seeking to expand its recycled water distribution facilities in Bishop Ranch in western San Ramon. Both agencies have agreed to equally share in the cost of the preparation for grant application and DERWA administration of awarded grant funds.

Recommendation:

The Authority Manager recommends that the Board adopt, by Resolution, the San Francisco Bay Area Integrated Regional Water Management Plan Update.

June 23, 2014

Attachments

Reviewed by

DERWA RESOLUTION NO. ____

RESOLUTION OF THE BOARD OF DIRECTORS OF DSRSD*EBMUD RECYCLED WATER AUTHORITY ADOPTING THE SAN FRANCISCO BAY AREA INTEGRATED REGIONAL WATER MANAGEMENT PLAN UPDATE

WHEREAS, the State electorate approved multiple statewide bond measures since 2000, including Propositions 50 and 84, to fund water and natural resource projects and programs, including Integrated Regional Water Management (IRWM); and

WHEREAS, the benefits of integrated planning for water resources management activities include increased efficiency or effectiveness, enhanced collaboration across agencies and stakeholders, and improved responsiveness to regional needs and priorities; and

WHEREAS, state statute and guidelines required that an IRWM Plan be adopted by the governing boards of participating agencies before IRWM grant funds would be provided for water resources management projects that are part of the IRWM Plan; and

WHEREAS, several of the participating agencies in the Bay Area jointly submitted an IRWM grant application for state consideration where a condition for funding required the San Francisco Bay Area IRWM Plan (BAIRWMP) to be adopted by January 1, 2007; and

WHEREAS, the Bay Area agencies that received funding in previous grant rounds did adopt the BAIRWMP before such funds were received; and

WHEREAS, more recent state statutes and guidelines require that the BAIRWMP be updated before agencies may receive future IRWM grant funding; and

WHEREAS, a grant was received to update the BAIRWMP, and that 2013 Plan

DERWA Res.	No.
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Update was completed in January 2014 and the Department of Water Resources completed its review and required no changes; and

WHEREAS, a series of workshops were held on the initial BAIRWMP and recently the Plan Update to provide stakeholders, including Bay Area local governments, an opportunity to ask questions, provide comments and make recommendations; and

WHEREAS, the Draft BAIRWMP Update was posted on the BAIRWMP website (http://bairwmp.org/) and made available for public comment; and

WHEREAS, the BAIRWMP Update incorporates changes based on comments received during the public review period in the areas of environmental justice, technical project data, and other elements of the Plan; and

WHEREAS, the BAIRWMP Update provides an implementation framework that calls for tracking accomplishments, developing lists of prioritized projects and periodically updating the BAIRWMP as conditions warrant, providing funding and resources are available to carry out these activities; and

WHEREAS, adoption of the BAIRWMP Update does not entail a direct commitment of resources and implementation of each project, as such will be the responsibility of the project proponent and any applicable project partners, and there is no joint commitment or responsibility by the BAIRWMP Update participants to implement any or all of the projects; and

WHEREAS, both DSRSD and EBMUD reviewed the BAIRWMP Update and determined that it is exempt from the California Environmental Quality Act pursuant to CEQA Guidelines §15262 and §15306 because the BAIRWMP Update consists of

DERWA Res.	No.
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basic data collection that would not result in the disturbance of any environmental resource and involves planning studies for possible actions that the participating agencies have not yet approved; and

WHEREAS, the BAIRWMP Update is meant to be complementary to participating agencies' individual plans and programs and does not supersede such plans and programs, and adoption of the BAIRWMP Update does not prohibit or effect in any way a participating agencies' planning efforts separate from the BAIRWMP.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the DSRSD•EBMUD Recycled Water Authority, a Joint Powers Authority located in the counties of Alameda and Contra Costa, California, as follows:

The 2013 San Francisco Bay Area Integrated Regional Water Management Plan Update is hereby adopted.

ADOPTED by the Board of Directors of DSRSD•EBMUD Recycled Water Authority at its regular meeting held on the 23rd day of June 2014, and passed by the following vote:

AYES:

NOES:

ABSENT:

D.L. (Pat) Howard, Chair

ATTEST:

Nancy Gamble Hatfield, Authority Secretary



San Francisco Bay Area Integrated Regional Water Management Plan

September 2013





The full 963-page report can be downloaded from http://bairwmp.org website

San Francisco Bay Area **Integrated Regional Water Management Plan**

September 2013

Prepared by:

Kennedy/Jenks Consultants

in association with

Environmental Science Associates Kearns & West Zentraal



HSA KEARNS & WEST





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Executive Summary

1.1 Introduction and Background

The San Francisco Bay Area Integrated Regional Water Management Plan (IRWMP or Plan) represents a significant accomplishment in regional water resources planning. The collective vision presented in this Plan aims to address the major challenges and opportunities related to managing water and associated natural resources within the Bay Area IRWM region (Region). It outlines the Region's water resources management needs and objectives, and presents innovative strategies and important actions to help achieve these objectives.

The IRWMP was first completed and adopted in 2006 (2006 IRWMP). This Plan updates and expands upon the 2006 IRWMP, documents progress towards meeting IRWMP objectives, and identifies ongoing regional needs and issues.

This IRWMP is not intended to duplicate existing and ongoing plans, but to better integrate these efforts, and utilize the results and findings of existing plans to put forward the projects needed to address IRWMP goals and objectives. This Plan provides a framework to improve collective understanding and to take actions to collaboratively address the many major water-

related challenges, needs and conflicts within the Region through the 20-year planning horizon (2013-2033). The array of goals, objectives, selected resource management strategies, and prioritized projects of this Plan represents a collective view of how to improve integrated water resources management throughout the Region. As regional goals, objectives, and priorities evolve over time, this IRWMP will be adapted to meet the changing needs of the region.

The Bay Area IRWMP:

- Provides a valuable venue for regional collaboration across agencies
- Improves responsiveness to regional needs and priorities
- Helps to effectively integrate water resources management activities
- Serves as a platform to secure state and federal funding

The IRWMP complies with the 2012 Integrated Regional Water Management Guidelines for Proposition 84 and 1E (DWR Guidelines) published by the California Department of Water Resources (DWR) in November 2012. Financial assistance from DWR and contributions from the participating Bay Area groups and entities funded the development of this Plan. Proposition 84 identified 11 funding areas throughout the state, including the Bay Area Region. Each Funding Area is allocated, based on population, a portion of the \$1 billion approved by the voters under Proposition 84 in 2006. Predecessor bonds, including Propositions 13 and 50, also provided incentives for development of IRWM Plans. DWR designed the IRWM planning process to be consistent with the California Water Plan, a statewide water resources planning document which is updated periodically, and intends that IRWM Plans and future updates of the California Water Plan, be integrated further in the future.



1.2 Governance (Chapter 1)

Developing an Integrated Regional Water Management Plan that covers all aspects of water resources management across a geographic region as large as the Bay Area poses many institutional challenges. Chapter 1 describes the Bay Area's IRWMP governance structure, including participating agencies and organizations and their management responsibilities related to water. This chapter also covers the evolution of the governance structure and function since 2004 through to the current update process.

During the 2006 IRWMP process, the participants developed and organized themselves into four Functional Areas (FA):

- 1. Water Supply & Water Quality
- 2. Wastewater & Recycled Water
- 3. Flood Protection & Stormwater Management
- 4. Watershed Management & Habitat Protection and Restoration

During the formation of the Bay Area IRWM region, a 2004 Letter of Mutual Understanding (LOMU) was created to allow groups to join the planning effort. Signatories included state and regional organizations, cities, counties, local agencies, special districts, and non-governmental organizations. A full list of organizations can be found in Section 1.2.3.

Organizations that adopt the Bay Area IRWMP, similar to the original signatories of the LOMU, are furthering the Region's efforts to better collaborate and enhance integration of water resources and management. The IRWMP is meant to be complementary to participating agencies' individual plans and programs and does not supersede such plans and programs, and adoption of the IRWMP is intended to complement participating agencies' planning efforts.

During the development of the Region Acceptance Process (RAP) initiated by DWR to establish each region in 2009, an additional organizational structure was developed based on demographic and geographic divisions. This "subregional" approach was developed to facilitate truly integrated projects with smaller geographical areas and better address the diversity of needs and ideas across the SF Bay Area Region, and provide better local access to the IRWM process. Four subregions were defined—East, West, South, and North— which have since become the focal points for outreach, project solicitation, and integration in the Plan Update. Figure ES-1 provides a map of the Region and the four Subregions.



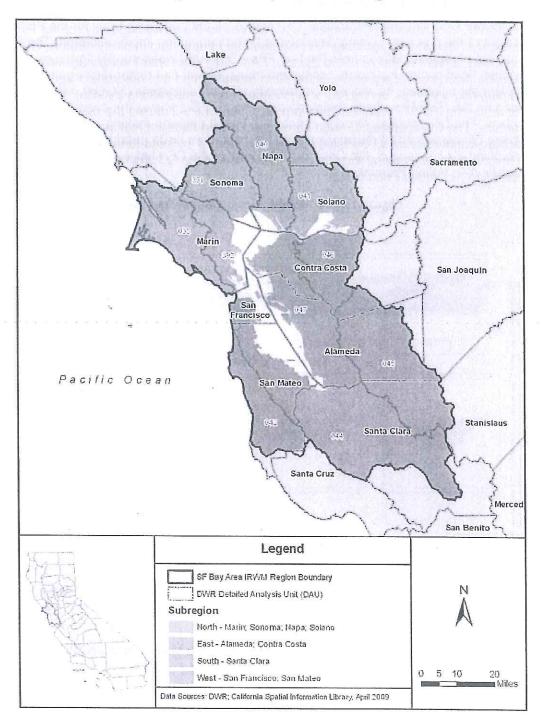


Figure ES-1: Bay Area IRWM Region



1.2.1 Coordinating Committee

The IRWMP Coordinating Committee (CC) serves as the governing body for the Plan, providing oversight of the process, guiding development, and supporting implementation. The CC is composed of representatives from the four FAs—Bay Area water supply agencies, wastewater agencies, flood control agencies, ecosystem management and restoration agencies—regulatory and planning agencies, as well as nongovernmental organizations (NGOs). Meetings are noticed on the IRWMP website (bairwmp.org). Figure ES-2 shows the overall governance structure. The CC operates through consensus-based decision making and has succeeded in reaching consensus on all decisions during the past. If an issue needing a firm decision cannot be resolved via consensus, the Chair or Vice Chair of the CC shall call for a vote (See Appendix A-2: Voting Principles).

Non-Governmental San Francisco Bay Area Regulatory and Resource Organizations, Environmental Coordinating Committee and Agencies Justice Groups and other Subcommittees interested parties Functional Area Voting Representatives Watershed Management and Habitat protection and Flood Protection and Restoration Water Supply and Wastewater and Stormwater Water Quality Recycled Water State Coastal Management (BAWAC) (BACWA) (BAFPAA) Conservancy Association of Bay Area Governments (BAWN) Subregions: North, South, East, West Stakeholder Involvement, Public Workshops, Website

Figure ES-2: IRWMP Governance Structure

To date, various subcommittees of the CC have been established to undertake specific tasks and to develop recommendations that are then forwarded to the full CC for discussion and consideration. These include:

 The Plan Update Team (PUT) is a subset of the CC, committed to day-to-day management of the Plan Update process. The PUT served as the primary "work group" for the Plan Update.

- The Project Screening Committee (PSC) was established to facilitate the process of incorporating new project ideas and processing/updating existing projects. They also make recommendations to the CC related to the IRWMP and to future funding applications, such as the Round 2 IRWM Implementation Grant.
- 3. The Website Subcommittee is tasked with ensuring that the website functions as a reasonable communication and information tool, and is appropriately updated.
- 4. The Planning and Process subcommittee was established to analyze issues, perform specific work tasks as needed, and recommend potential actions to the CC.

1.2.2 Stakeholders

Broad stakeholder involvement is crucial to ensure that the Plan identifies local issues, reflects local needs, promotes the formation of partnerships, and encourages coordination with state and federal agencies. One of the benefits of the IRWM planning process is that it brings a broad array of groups together into a forum to discuss and better understand shared needs and opportunities. A full list of stakeholders that have been a part of the original and updated IRWMP process can be found in Sections 1.2.2.1 and 1.2.6.

1.3 Region Description (Chapter 2)

Chapter 2 describes the physical, environmental, social and demographic characteristics of the Region, provides an overview of its water systems, and identifies key issues and challenges facing the Region.

The Region is defined by the jurisdiction of the San Francisco Bay Regional Water Quality Control Board Region 2. The Region is expansive, diverse and complex. It includes all or

portions of nine counties (Marin, Sonoma, Napa, Solano, Contra Costa, Alameda, Santa Clara, San Mateo and San Francisco), numerous water, wastewater, flood protection and land use agencies, and many NGO and non-profit organizations. With a population of 7.2 million (in 2010), the San Francisco Bay metropolitan region is the second largest in California, and the fifth largest in the nation. The Region includes three major metropolitan cities and approximately 100 smaller cities and towns (Figure ES-3).

Bay Area Fast Facts:

- Includes 9 counties and 101 cities
- 5th largest metropolitan area in the United States
- Home to 7.2 million people
- 24th largest economy in the world with 3.5 million jobs
- Home to over 105 animal and plant species that have been designated as threatened or endangered



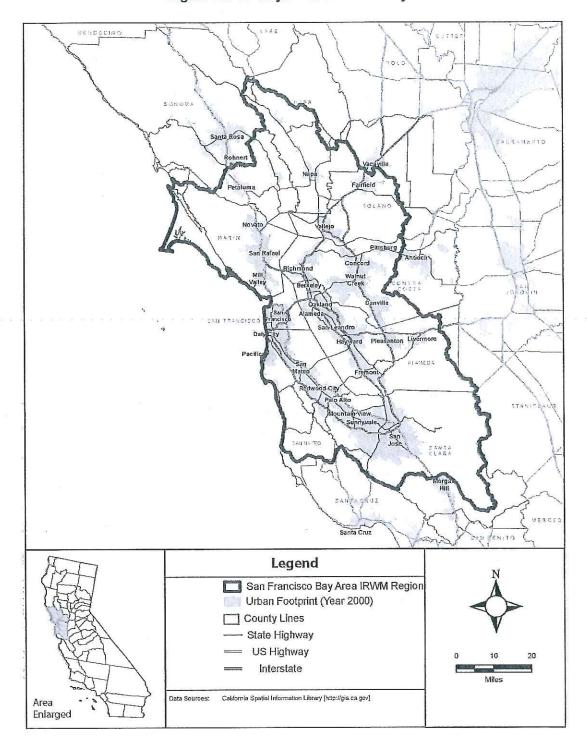


Figure ES-3: Major Cities of the Bay Area



1.3.1 Demographics

The San Francisco Bay Area consists of 9 counties (whole and partial), 101 municipalities, 2.6 million households and a population of 7.15 million (Bay Area Census, 2010), making the metropolitan region the second largest in California (U.S. Census Bureau, 2011). Currently, almost half of the region's population resides in Santa Clara and Alameda counties. North Bay counties, including Marin, Sonoma, and Napa, have the lowest population densities and are also projected to change the least in the 20-year planning horizon.

During this planning effort, additional research into disadvantaged and environmental justice communities was undertaken. The distribution of such communities was mapped along with the locations of wastewater treatment facilities and flood-prone areas. This effort helped to better identify and understand the environmental burden that these communities may endure. Mapping the locations of environmental justice communities and environmental burdens assists water and flood agencies to identify water resources management projects that may reduce or relieve potential water-related adverse impacts to these communities. Efforts to effectively involve and collaborate with disadvantaged and environmental justice communities are discussed in Chapters 12 and 14.

1.3.2 Biologic Resources and Water Quality

The San Francisco Bay Area is a complex network of watersheds, marshes, rivers, creeks, reservoirs, and bays predominantly draining into the San Francisco Bay and Pacific Ocean. The largest bodies of water in the Bay Area Region are the San Francisco Bay, San Pablo Bay, and Suisun Bay. The largest rivers are the Sacramento and San Joaquin Rivers which drain into the Sacramento-San Joaquin River Delta and then to Suisun Bay. Other major rivers include the Napa River and the Petaluma River in the North Bay and the Guadalupe River in the South Bay.

The Bay estuary is the largest estuary of the West Coast and one of North America's most important. It is an environmentally sensitive and biologically diverse ecosystem made up of freshwater streams, tidelands, marshlands, wetlands, mudflats, farmland and other unique systems. The estuary has been designated by US EPA as an estuary of national significance, one of 28 in the US. Bay Area watersheds and their associated habitats provide a myriad of water resource and ecological benefits to both humans and wildlife. Watersheds provide freshwater sources for humans and wildlife; floodplains and wetlands can reduce flood impacts and improve water quality and groundwater resources; diverse habitats allow wildlife to flourish; and vegetation can reduce water temperatures and minimize erosion and sedimentation.

The Bay Estuary and its supporting local watersheds, host a distinct natural environment and ecology that includes many important habitats for species of regional, national and international significance. Bay Area watershed habitats include ephemeral and perennial rivers and streams, montane and valley foothill riparian areas, lakes and ponds, freshwater and tidal wetlands, and associated uplands habitats. The Region is an internationally recognized biodiversity hotspot, recognized for its abundance of birds, plants, insects and other species, and known for a high diversity of endemic species which thrive in the Mediterranean-type climate. The Bay Area is home to over 90 animal and plant species that have been designated by state and federal agencies as threatened or endangered (sfbaywildlifeinfo.org 2012, Center for Biological Diversity 2012), including the ones listed in Table ES-1.



Table ES-1: Threatened and Endangered Species in the Bay-Delta

10	Classification	Species
3	Mammals	San Joaquin kit fox, Salt-marsh harvest mouse
	Birds	California least tern, California clapper rail, Western snowy plover, Marbled Murrelet, Northern spotted owl
	Reptiles	Giant garter snake, Alameda whipsnake, Green sea turtle, Leatherback sea turtle, Olive ridley sea turtle
	Fish	Chinook salmon, Coho salmon, Steelhead trout, Delta smelt, Tidewater goby
3	Amphibian	California red-legged frog, California tiger salamander
3	Crustaceans	California freshwater shrimp, Conservancy fairy shrimp, Longhorn fairy shrimp, Vernal pool tadpole shrimp
	Insects	Calippe silverspot butterfly, Delta green ground beetle, Lange's metalmark butterfly, Mission blue butterfly, Myrtle's silverspot butterfly, San Bruno elfin butterfly
	Plants	Antioch Dunes evening-primrose, Baker's larkspur, Beach layia, Calistoga allocarya, Clara Hunt's milk-vetch, Clousa grass, Contra Costa wallflower, Coyote ceanothus, Few-flowered naverretia, Fountain thistle, Keck's Checkermallow, Lake County stonecrop, Loch Lomond coyote thistle, Many-flowered navarretia, Marin dwarf-flax, Metcalf Canyon jewelflower, Bapa bluegrass, Pallid Manzanita, Palmate-braced bird's beak, Pennel's bird's beak, Pitkin Marsh lily, Presidio clarkia, Presidio Manzanita, San Francisco lessingia, San Joaquin Orcutt grass, San Mateo thornmint, San Mateo woolly sunflower, Santa Clara Valley dudleya, Sebastapol meadowfoam, Soft bird's-beak, Solano grass, Sonoma alopecurus, Sonoma spineflower, Sonoma sunshine, Suisun thistle, Tiburon jewelflower, Tiburon mariposa lily, Tiburon paintbrush, Vine Hill clarkia, White sedge, White-rayed pentachaeta, Yellow larkspur

Source: USFWS 2012, sfbaywildlifeinfo.org 2012.

In the Bay Area Region, surface water and groundwater quality is regulated by the SF RWQCB. The SF RWQCB classifies the San Francisco Bay and many of its tributaries as impaired for various water quality constituents. The SF RWQCB staff is currently developing more than 30 water quality improvement plans, known as Total Maximum Daily Loads (TMDL), to address the impaired water bodies. Water bodies in the Region are listed for pollutants including sediment, mercury, pathogens, PCBs, pesticide toxicity, nutrients, selenium, and bacteria.

1.3.3 Reliability: Water Supply - Water Quality - Wastewater Integration

Bay Area water supply agencies manage a diverse portfolio of water sources to meet the needs of the Region:

- Local Supplies: Local groundwater and surface water (31%)
- Sierra Nevada Supplies: Tuolumne and Mokelumne River supplies (38%)



- Delta Supplies: State Water Project, Central Valley Project, and other delta supplies (28%)
- Other: Desalination, recycled water, water transfers, and other supplies (3%)

The quality of water supplies used within the Bay Area Region varies greatly by source. Mokelumne River and Tuolumne River surface water supplies are of very good quality, with low concentrations of total dissolved solids (TDS), total organic carbon (TOC), chloride, bromide, microbial contaminants, and other water quality parameters. Delta supplies exhibit elevated concentrations of several water quality parameters including TDS, chloride, bromide, and TOC. Delta supplies also exhibit significant water quality variability by location, season, and hydrologic year type. TDS and hardness of groundwater supplies, similarly, vary significantly by basin. Bay Area water agencies are continually striving to address drinking water contaminants of concern through source water protection and advanced treatment strategies.

Recycled water, desalination, transfers, interties, groundwater banking, as well as other supply sources are used by many Bay Area agencies to supplement their water supplies. Over 30 agencies in the Bay Area have developed recycled water programs, providing the water for irrigation, commercial, industrial, agricultural, municipal and residential uses. In 2010, the Bay Area recycled almost 10% of the wastewater effluent generated, and supply is expected to more than double over the next 20 years.

Bay Area water agencies continue to seek to protect the reliability and quality of existing supplies through innovative water management strategies and regional cooperation.

1.3.4 Regional Challenges

Bay Area water management agencies and organizations pursue a variety of different resource management objectives to balance the water needs of sensitive habitats with customer water demands, provide a reliable supply of high quality water, protect and improve water quality in creeks and the Bay, provide flood management, restore watershed habitats and natural hydrologic functions, and ensure that natural resources and habitats are shielded from potential adverse impacts associated with land and water management. Meeting multiple objectives comes with challenges. In addition to the water supply quality and reliability challenges mentioned above, the key issues, needs, and priorities for the Bay Area Region with respect to water resource management include:

Regulatory Compliance Challenges: Challenges to achieving and maintaining compliance with applicable regulatory requirements such as stormwater requirements, flood protection permitting and more.

Flood Protection Challenges: The Region includes flat and highly developed valleys and bayside alluvial plains surrounded by steep terrain, a geography conducive to sudden flooding. This natural physical setting, and the increase in impervious surfaces due to urban development, puts many locales in the Bay Area at risk for flooding.

Financial and Funding Challenges: Water resources management entities in the Bay Area face several financial challenges for regional projects including, among other things, competing costs between existing operating costs and improvement projects, lack of funding



to maintain or replace aging infrastructure, and lack of funding to comply with stormwater permit obligations.

Environmental and Watershed Challenges: The Region's water resource management and environmental stewardship challenges often occur when resources are managed for conflicting uses, such as instream flows and municipal water supplies, or land use development and habitat conservation. Effective management requires ongoing communication and collaboration between land and water resources managers and stewards.

Dependence on the Sacramento-San Joaquin Delta: Many Bay Area water agencies purchase imported water that flows through the Sacramento-San Joaquin Delta, where long-term reliability is impacted by a variety of issues including infrastructure reliability, endangered species, water quality, sea level rise, ecosystem restoration, political interests and more.

Interagency Coordination: Inter-jurisdictional coordination is a major challenge facing water resource management. Municipal boundaries, water supply service areas, and the boundaries of county flood protection agencies rarely coincide with watershed boundaries and can impede implementation of projects.

Expanding Recycled Water Use: Expanding recycling water use is important for meeting future demands in the Bay Area; however, some of the challenges include increasing salinity in recycled water supplies, and the cost per acre-foot of water for expanding non-potable distribution systems. Potable reuse is another option for expanding recycled water, but requires extensive public engagement and regulatory support.

Climate Change: Climate change is driven by increasing concentrations of carbon dioxide and other greenhouse gases that cause an increase in temperature and stress natural systems, such as oceans and the hydrologic cycle, resulting in environmental changes that may include sea level rise, changes in precipitation, and increasingly extreme storm events.

Coordination with Other Regions: Representatives from other regions are invited to participate in the development of the Bay Area's IRWMP to provide a linkage between the Bay Area and IRWMPs from other areas, enabling information sharing and communication between the planning efforts.

1.4 Objectives (Chapter 3)

Chapter 3 presents the goals and objectives for the Plan, and describes how they were developed. The goals and objectives represent what the stakeholders and the CC have determined they would like the IRWMP to accomplish when its projects are implemented. Formulating meaningful and relevant goals and objectives for the Region required collaboration and collective interaction amongst the PUT, CC and stakeholders.

The process for developing goals and objectives for the Plan included review, confirmation and/or modification of the goals and objectives identified in the 2006 Plan, and development of "new" goals and objectives through a collaborative and iterative process. As a result of the process, the following changes were made to the 2006 IRWM:



- The number of goals was reduced from six to five.
- The number of objectives was consolidated from 65 to 35.
- Objectives that address climate change and integration were added.

Objectives for the Bay Area Region were developed to support the goals and are categorized accordingly, as is shown in Figure ES-4.

The goals of the Bay Area IRWMP are to:

- Promote environmental, economic and social sustainability
- 2. Improve water supply reliability and quality
- 3. Protect and improve watershed health and function and Bay water quality
- 4. Improve regional flood management
- 5. Create, protect, enhance, and maintain environmental resources and habitats



PUT review, consolidation and identification of new goals and objectives

PUT development of suggested measures

CC and Stakeholder input

2013 Goals, Objectives and Suggested Measures

Figure ES-4: Development of Regional Goals, Objectives and Suggested Measures

The objectives generally apply to the Region as a whole and are meant to focus attention on the primary needs of the Region. Once the list of goals was developed, suggested measures for each objective were identified to provide a framework for measuring project outcomes and to gauge successful implementation of the IRWMP projects (See Chapter 3, Table 3-2).

1.5 Resource Management Strategies (Chapter 4)

A resource management strategy (RMS) is a project, program or policy that helps local agencies manage their water and related resources. Chapter 4 describes how the CC and its subcommittees developed an updated set of RMS for the IRWMP based on the strategies included in the 2006 IRWMP and the most recent set of statewide RMS developed by DWR as part of the California Water Plan Update processes for both 2009 and 2013 (now underway). The intent of this chapter is to encourage diversification of water management approaches as a way to mitigate for future uncertainties, including the effects of climate change.

The IRWMP incorporates an extensive range of RMS that includes most of the RMS on DWR's most recent list, along with some additional Bay Area-specific RMS. The chapter provides a



brief description of each RMS, along with examples of how these strategies are being implemented in the Bay Area. Table ES-2 shows the RMS that were selected for inclusion in the IRWMP.

Table ES-2: Selected 2013 Bay Area IRWMP Resource Management Strategies^(a)

Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

Improve Operational Efficiency

- Conveyance Delta
- Conveyance Regional/Local
- Imported Water*
- Infrastructure Reliability*
- System Reoperation

Increase Water Supply

- Conjunctive Use and Groundwater Management
- Water Recycling
- Desalination Brackish and Seawater
- Surface Storage CALFED
- Surface Storage Regional / Local
- Water Transfers
- Stormwater Capture and Management*

Improve Water Quality

- Pollution Prevention
- Urban Runoff Management
- Water Quality Protection and Improvement*
- Salt and Salinity Management
- Groundwater and Aguifer Remediation
- Monitoring and Modeling
- Drinking Water Treatment/Distribution
- Matching Water Quality to Use
- Wastewater Treatment*

Improve Flood Management

Integrated Flood Management

Practice Resources Stewardship

- Environmental and Habitat Protection and Improvement*
- Ecosystem Restoration
- Sediment Management
- Recharge Areas Protection
- · Agricultural Lands Stewardship
- Watershed Management and Planning
- Land Use Planning and Management

People and Water

- Economic Incentives
- Outreach and Education
- Regional Cooperation*
- Recreation and Public Access*
- Water-dependent Recreation
- Water-dependent Cultural Resources

Note: (a) The Selected RMS are from DWR draft California Water Plan Update 2013, except those marked by the "*", which were carried forward from the 2006 Bay Area IRWMP.

1.6 Integration of Supporting Activities (Chapter 5)

Chapter 5 presents potential activities, including planning efforts and efforts to establish policies, that may be undertaken to support integrated water resources management in the Bay Area.

An example of a planning activity includes Salt and Nutrient Management Plans (SNMP) developed by stakeholders to manage salts and nutrients on a basin- or watershed-wide basis.



as stipulated in the Recycled Water Policy (2009). An example of a SNMP preparation process is described in this section of the IRWMP, with the final SNMP and Guidance documents provided in Appendices B-1 and B-2.

In addition, policies adopted or implemented by individual organizations throughout the Region can support integrated water resources management by focusing attention on specific important elements. This section of the Plan describes policies supporting integration and development of integrated, multi-benefit projects, and various policy approaches that agencies throughout the Region have undertaken. Example documents which may be useful to organizations in the Region are Sample Integration Policies provided in Appendix B-3, Climate Change Adaptation Resources for Policy Development in Appendix B-4.

1.7 Regional Priorities (Chapter 6)

Chapter 6 describes the project solicitation, development, and review process that was used to select and prioritize projects for inclusion in the Plan, and provides the ranked project list.

During a "Call for Projects," stakeholders were invited to submit any projects, programs, and action ideas they thought could help contribute to fulfilling the Plan goals and objectives irrespective of the project's current funding, level of development, or readiness to proceed. The process to decide which projects to include in the Plan, and how to score them, relied on information submitted by the proponents that addressed a standard list of project criteria based on DWR guidelines.

The solicitation yielded 332 projects, which included some projects from the 2006 IRWMP and its appendices, and "new" projects that were submitted and subsequently added to the list by the CC. Of this list of projects, 30 were regional and 123 indicated DAC benefits. A total of 315 projects were ranked and 17 did not comply with IRWM goals and guidelines and were not considered eligible for ranking and evaluation.

The scoring criteria include:

- · Addressing Multiple Goals
- Integrating Multiple Resource Management Strategies
- Strategic Considerations for IRWM Plan implementation (regionalism, partnerships and integration)
- Project Status
- Technical Feasibility
- Benefits to DAC Water Issues
- Benefits to Native American Tribal Community Water Issues
- Environmental Justice Considerations
- Project Costs and Financing
- Economic Feasibility
- Climate Change Adaptation
- Reducing GHG Emissions
- Reducing Dependence on the Delta

The CC developed a scoring methodology that assigned projects into three tiers. The review and ranking process was developed to reflect DWR guidelines, limit ambiguity, and be consistent and transparent to participants and stakeholders. The prioritization of projects was based on a detailed two-phase screening process consisting of an initial screening by the sub-region leads, followed by project evaluation and ranking. The process encouraged subregional integration while ranking at a regional level. The review and scoring process was available on the website so that project proponents could be informed about the process and how the



projects would be ranked as they completed their templates for project submittal. All projects that were submitted are included on a list that will be updated as projects are developed, or modified over time and re-prioritized. The ranked list is presented in Chapter 6, Table 6-2 or can be found at:

http://bairwmp.org/docs/2013-bairwm-plan-update/Active%20Project%20List_scored_2012.pdf

1.8 Impacts and Benefits (Chapter 7)

Chapter 7 describes the potential impacts and benefits of IRWMP implementation. This includes impacts and benefits within and between regions, and those potentially affecting disadvantaged and Native American Tribal communities. The chapter provides a screening-level analysis of the impacts and benefits of implementing the IRWMP, which will serve as a benchmark to help IRWM planners assess whether the anticipated benefits of the IRWMP have been realized, and/or unanticipated impacts have occurred.

For the purposes of characterizing potential impacts and benefits of IRWMP implementation, a list of project categories and types (based in part on RMS identified in Chapter 4 and projects submitted for consideration as part of the IRWMP update process) was developed. Potential impacts, benefits, and interregional effects were identified for each project type within each category. Table ES-3 and Table ES-4 list the impacts and benefits identified by the Region and associated with the project types identified in Chapter 7. Impacts and benefits will be analyzed in more detail prior to implementation of specific projects. As project concepts are further developed and advanced for approval, detailed environmental impact assessments will be conducted in accordance with the California Environmental Quality Act (CEQA) and, if applicable, the National Environmental Policy Act (NEPA).



Table ES-3: Potential IRWMP Environmental Impacts by Project Type

3.44 <u></u>							In	npact	Categ	ory						
:			Land	d Use	ii		Wa	iter Re	sourc	es	Biolo Resou		-	ir and		_
Project Categories and Type	Agriculture	Land Use Compatibility	Recreation	Hazardous Materials	Cultural Resources	Growth Inducement Potential	Surface Water	Groundwater	Water Quality	Flooding	Aquatic Resources	Terrestrial Resources	Pollutant Emissions	Greenhouse Gas	Energy Use	Delta water and biological resources
Water Conservation and D	emar	nd Ma	anag	emen	t	1					1					
Agricultural and Urban Water Use Efficiency			ment on the property section of the property o			1	✓	1	✓		1					
Water Supply Enhanceme	nt															
Infrastructure Reliability		1				1	1		✓.					1	✓	✓.
Surface Water Supply	1	1	1		1	1	1		✓		1	1	1	1	1	✓
Groundwater Management	1	1		· 1	2 5	1	1	1	1	1	1	1		1	1	
Water Reuse		1				1	✓	1	1		1	1	1	1	1	
Stormwater Capture		1				The second secon	>	1	1	1	1	1				
Desalination		✓				1	1	✓	1		1	1	1	~	✓	✓
Water Quality Protection a	ind Ir	npro	veme	nt					,	,				,		
Water, Wastewater Treatment Facilities		1		1		1	1	Commence of the Commence of th	1		1		1	1	1	
Pollution Prevention and Runoff Management	1	1				The state of the s	1		*	1	~	1			The second secon	
Aquifer Remediation);			1		✓	1	1	1		1		1	1	1	
Salt and Salinity Management		1					1	1	1		1		1	1	1	
Watershed Management						,			3	,				1		
Watershed Erosion Control, Land Stewardship		\	~			And the second s	1		1	The spirit spiri	1	1			The second of th	
Habitat Protection and Re	stora	tion										1				
Habitat Protection and Improvement		1	/		1		1	/	~	1	1	1				
Ecosystem Restoration and Wetland Creation	1	1	1	THE PARTY NAMED IN COLUMN	1		1	1	~	1	1	~				



							ln	npact	Categ	jory			1000			
			Land	d Use			Wa	ter Re	esour	ces	Biolo Reso	gical		ir and		_
Project Categories and Type Flood and SLR Hazard M	Agriculture	Land Use Compatibility	Recreation	Hazardous Materials	Cultural Resources	Growth Inducement Potential	Surface Water	Groundwater	Water Quality	Flooding	Aquatic Resources	Terrestrial Resources	Pollutant Emissions	Greenhouse Gas	Energy Use	Delta water and biological
Flood Hazard Management		1	1	Andrew or the Andrew of the An	1		1	1	1	1	1	1		May be a server of the server		
SLR Hazard Management	1	1	1		1		1	1	1	1	1	1				1
Public Access, Recreation	n and	Uses	5	-		1			E.	3		1		-	!	
Water Dependant Recreation, Trails, etc.	1	~	1		1	A COLUMN TO THE PERSON TO THE	1		1		1	1				



Table ES-4: Potential IRWMP Benefits by Project Type

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Project Categories and Type	Reduce total water demand through water use efficiency	Reduce potable water demand	Expand use of recycled water	Expand stormwater reuse	Diversity regional water mgmt portfolio	Increase storage or conveyance capacity	Increase aquifer recharge	Protect or improve surface water quality	Protect or improve groundwater quality	Improve drinking water quality	Improve wastewater treatment	Improve stormwater quality	Respond to salinity issues	Prevent nutrient loading	Reduce risk of flooding	Restore floodplains	Improve flood ctrl through wetland restoration, protection	Reduce stormwater runoff through improved infiltration	Reduce energy consumption and GHG emissions	Prepare for sea level rise, higher tidal surges	Prepare for extreme climate events, and drought	Contribute to carbon sequestration	Protect existing high quality habitat	Restore impaired habitat	Promote recovery of threatened and endangered species	Provide water for aquatic habitat	Manage pests and invasive species	Promote energy efficiency, use of renewable energy	Potential to benefit a disadvantaged community	Profect cultural resources	Promote community outreach, education and stewardship	Promote public access, water-oriented recreation
Water Conserva	tion	and	Dem	and	Mana	gem	ent				11			,																		
Agricultural and urban use efficiency	1	1						1	1										1		1		1	1	1	1		1	1			1
Water Supply E	nhan	cem	ent																							*						
Infrastructure Reliability	1					1				~									1	1								1				
Surface Water Supply					1	1															~											
Groundwater Management	1		1	1	1	1	1		1	1		1			1			1		1			1	✓	1	1			1			
Water Reuse		1	1		~	1		1											✓		V		1	✓	1	1				✓	1	
Stormwater Capture	✓			1	1	1	1	1			1	~		✓	~	*	1	1			1		1	1	1	1			1		1	1
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Pollution Prevention and Runoff Management				1			1	1	1		1	1		1	1		1	~					\	1	1	✓			1		~	
Aquifer remediation					✓	1	1		1	1			~	~	tt:									1		1						
Salt and salinity management			~					~		~			✓		() 10 10									✓		✓						
Watershed Mana	gem	ent																														
Watershed protection, sediment management, erosion control, land stewardship				~			1	1	✓	1	t	1		1	* · · · · · · · · · · · · · · · · · · ·	1	1	1				1	1	1	1	1	1		1	√	✓	8



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	V	/ater	Sup	ply R	eliab	ility			W	ater	Quali	ty		1	ntegr	ated	Floo		Clima Re	ite Cl		9			ronm wards		l		Invol			nd
Project Categories and Type Habitat Protecti	Reduce total water demand through water use efficiency	Reduce potable water demand	Expand use of recycled water	Expand stormwater reuse	Diversity regional water mgmt portfolio	Increase storage or conveyance capacity	Increase aquifer recharge	Protect or improve surface water quality	Protect or improve groundwater quality	Improve drinking water quality	Improve wastewater treatment	Improve stormwater quality	Respond to salinity issues	Prevent nutrient loading	Reduce risk of flooding	Restore floodplains	Improve flood ctrl through wetland restoration, protection	Reduce stormwater runoff through improved infiltration	Reduce energy consumption and GHG emissions	Prepare for sea level rise, higher tidal surges	Prepare for extreme climate events, and drought	Contribute to carbon sequestration	Protect existing high quality habitat	Restore impaired habitat	Promote recovery of threatened and endangered species	Provide water for aquatic habitat	Manage pests and invasive species	Promote energy efficiency, use of renewable energy	Potential to benefit a disadvantaged community	Protect cultural resources	Promote community outreach, education and stewardship	Promote public access, water-oriented recreation
Existing Habitat Protection and Improvement								1	1			✓		1	✓.		1	1	g :	~		1	1		1	✓				✓		1
Ecosystem Restoration				1			1	1	✓			~	1	1	1	1	1	1		1	1	✓		~	1	~	1			1		✓
Flood and SLR	Haza	rd M	anag	eme	nt							,		,		1					1			7			_				r	
Flood management facilities, floodplain protection				1	1	1	1	1	1			1			1	1	1	1		1		✓		1	1	1			1		1	1
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	V	Vater	Sup	ply R	eliab	ility			VV	ater/	Quali	ity		1		ated ager	Floo nent	d	Clima Re	te C		9			ronm wards		l		Invol			
Project Categories and Type	Reduce total water demand through water use efficiency	Reduce potable water demand	Expand use of recycled water	Expand stormwater reuse	Diversity regional water mgmt portfolio	Increase storage or conveyance capacity	Increase aquifer recharge	Protect or improve surface water quality	Protect or improve groundwater quality	Improve drinking water quality	Improve wastewater treatment	Improve stormwater quality	Respond to salinity issues	Prevent nutrient loading	Reduce risk of flooding	Restore floodplains	Improve flood ctrl through wetland restoration, protection	Reduce stormwater runoff through improved infiltration	Reduce energy consumption and GHG emissions	Prepare for sea level rise, higher tidal surges	Prepare for extreme climate events, and drought	Contribute to carbon sequestration	Protect existing high quality habitat	Restore impaired habitat	Promote recovery of threatened and endangered species	Provide water for aquatic habitat	Manage pests and invasive species	Promote energy efficiency, use of renewable energy	Potential to benefit a disadvantaged community	Protect cultural resources	Promote community outreach, education and stewardship	Promote public access, water-oriented recreation
Public Access,	Recr	eatio	n an	d Us	e		1			1		r					G							_								1
Trails, water- based recreation, water- dependant cultural uses (fisheries)				✓	~															~				~					1		1	1
Modeling and N	lonito	ring	Too	ls																												
Decision support systems (DSS) and technical data collection					✓		1	1				1			1	1				1			1	1				1	1		~	
Education, Outr	each	, and	Inc	entiv	es									T				ı	1												_	1
Student and community programs, school projects, financing programs		N N			✓			✓				✓						1			~		1	1					1		√	



Disadvantaged and Environmental Justice Communities

Section 7.11 provides an overview of IRWMP projects potentially benefitting disadvantaged communities, impacts resulting from implementation of disadvantaged community based projects, and effects on Native American Tribal communities. The IRWMP currently includes 123 projects that were identified by project proponents as providing DAC benefits. A majority of projects identified as providing DAC benefits are aimed at implementing low impact design features to control stormwater, improving levees and other flood control facilities, developing climate change adaptation strategies, restoring habitat or providing education and outreach to involve the community (including DACs) in watershed stewardship and protection efforts. In addition, a considerable number of wastewater treatment and recycled water projects were identified during the review process as providing DAC benefits.

Examples of projects that would provide environmental justice and DAC benefits include:

- Retrofit streets in DACs with low impact development features to control stormwater
- Conduct outreach to involve DAC communities in watershed stewardship activities
- Install stormwater retention and groundwater recharge facilities to improve flood protection
- Fund trash capture infrastructure and tracking tools for DACs
- Create seasonal wetlands to provide habitat and flood control benefits to a DAC
- Improve water supply reliability through the development of local groundwater and recycled water supplies

1.9 Performance and Monitoring (Chapter 8)

Chapter 8 documents the institutional structure and parties responsible for plan implementation and monitoring, ongoing data management, and how performance data will be used to improve future versions of the Plan.

The IRWMP is a dynamic document and its success is related to how well its goals and objectives are accomplished, at both the Plan and project levels. IRWMP objectives and regional priorities will continue to be reviewed for relevance and modified as needed to ensure the Plan reflects changing regional needs and continues to be effective. The list of projects will be reviewed and evaluated every five years, or as needed, to ensure that Plan objectives will be met, that the Plan projects offer the greatest benefit possible, and that the list of Plan projects continues to

Plan Performance and Monitoring is designed to ensure that:

- Progress is being made towards meeting the objectives in the Plan.
- Projects listed in the Plan are being implemented.
- Projects are monitored to comply with all applicable rules, laws, and permit requirements.

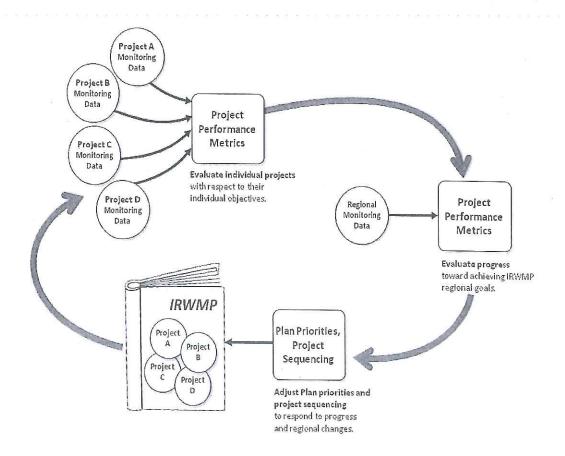


address IRWMP objectives as well as state and regional priorities. Ongoing review and update will allow the plan to evolve in response to changing conditions and as better data is developed.

As noted above, the institutional structure for overseeing IRWMP development and implementation is the CC, which will continue to be responsible for Plan management and oversight. Once the Plan is adopted, the focus of the CC will shift toward implementation and tracking of progress. Each project identified in the Plan has a lead project proponent that has agreed to oversee project implementation. Therefore, implementation of the Plan will rely on actions taken by existing agencies and organizations within the Region. The project proponent will be responsible for ensuring that project operations are adjusted as appropriate based on the changing needs of the Region.

As work is completed and the Plan is implemented, the CC will recommend whether changes to the Region's goals, objectives, and needs should be considered. In response to the CC assessment, and considering the project's performance with respect to its performance measures, project proponents will be responsible for identifying and adjusting project operations as appropriate and feasible. The relationships between project performance, Plan performance, and adjustments to the regional goals are illustrated in Figure ES-5.

Figure ES-5: Bay Area IRWMP Implementation and Performance Assessment





1.10 Data Management (Chapter 9)

Chapter 9 discusses data management needs associated with the IRWMP. This section provides an overview of data needs in the Region, discusses data collection techniques, and the approach to data management and dissemination. Existing data collection and monitoring efforts are described, and data gaps with potential new data collection programs are identified. This section also discusses supporting statewide data needs via the abundance of information collected by Bay Area agencies and water resource programs.

As part of IRWMP implementation, data will be collected and compiled at several levels: the project level, the functional area and sub-region level, and the Regional, or Plan level. At each of these levels, effective data management and dissemination is critical to successful implementation of the IRWMP, and the Region's approach to managing this data is described in Chapter 9.

A wealth of information is collected by individual Bay Area agencies and water resource programs. While a limited number of programs compile and assess water resources data for the Bay Area region, it is not clear whether new regional assessments versus more efficient coordination of existing efforts would lead to more useful regional information. As future work is completed, the Bay Area's data library of relevant water resources information and data that have been collected by projects funded through IRWM grants will grow. Whether the library can become a more comprehensive resource throughout the region has yet to be determined. As such, the process represents an important first step toward developing a regional perspective on water resources management information.

The data and conclusions developed through the Bay Area IRWMP assessment process may be used by state agencies for developing regional fact sheets and determining regional funding priorities. In addition, DWR may use the information developed through future work to support updates to the California Water Plan. In addition to compiling water resources data and information about Bay Area IRWM Projects, the Bay Area data will support statewide data activities by retaining data collected to support project performance assessment in a manner consistent with continuing statewide data collection programs. Consistency with statewide monitoring programs is critical to ensure that regional projects contribute to efficient, uniform, and comprehensive study design and data collection.

1.11 Financing (Chapter 10)

Chapter 10 identifies various funding sources, including their associated requirements and guidelines, which may be available to assist with implementation of Plan projects. The chapter also provides a summary of funding opportunities by local, state, and federal funding sources.

The 332 projects identified in this Plan have total capital costs of approximately \$4.1 billion, with individual project costs ranging from \$27,500 to \$292 million, and averaging \$13.9 million. Securing adequate funding for program planning and implementation is one of the biggest challenges facing integrated regional planning efforts. Successful IRWMP implementation requires capital and planning expenditures associated with project implementation, as well as ongoing funding to support operation, maintenance and administration costs.



The Bay Area Region looked beyond state and federal funding sources to find examples of Innovative Local Funding Mechanisms. These included such efforts as setting up watershed trusts, enacting drainage fees, local voter initiatives, public-private partnerships, local grant programs, spending-offset projects, as well as private sources such as foundations and educational institutions.

1.12 Technical Analysis (Chapter 11)

Chapter 11 documents that the IRWMP is based on sound technical information, analyses, and methods, and provides a description of studies, models, or other methodologies used to analyze the technical information and data sets, and how they have shaped the CC and stakeholders' understanding of water management in the Region.

The Bay Area IRWMP builds on the data and technical analysis completed as part of other planning efforts. A wide variety of technical studies have been developed at the local level and the subregional level, and used in development and support of the IRWMP. Table 11-1 provides examples of studies and analyses completed by local agencies, including some developed in conjunction with state and/or federal agencies. Many studies are also being conducted in parallel with IRWMP development. The Plan was prepared using information and guidance provided by agencies representing all four FAs, and to varying degrees, municipalities, town councils, regulatory, environmental and land use planning entities that represent the CC and stakeholders. The IRWMP, in turn, will be used by these same entities to guide and support their future regional water resources management efforts.

During the course of preparing this IRWMP, data needs were identified by stakeholders and resource specialists working on the plan. Data needs identified for the Region include:

- Updated climate change projections to reflect new data, methods, and improved understanding of climate change
- Regional hydroclimate (hydrology and weather), including projections of microclimatic change and fog
- Statewide hydroclimate data on imported water supplies that show influence of climate change
- Data on sea level rise
- Weather variability (e.g., monthly averages of maximum and minimum daily air temperatures monthly precipitation and ET, etc.) in the Region and subregions
- Market saturation of water efficient fixtures
- Projections of future habitat change
- Improved projections of wetland response to sea level rise



1.13 Relation to Local Water Planning (Chapter 12)

Chapter 12 discusses the relationship between the IRWMP and local water planning efforts, and documents the local water plans on which the Plan Update is based. The intent of coordinating the IRWMP with local water planning efforts is: to ensure that the IRWMP is consistent with local water plans and reflects current, relevant elements of local water planning; to describe how the IRWMP relates to local planning efforts (including how regional planning feeds back into local planning, and how any inconsistencies between local and regional plans are identified and resolved), and; to incorporate climate mitigation and adaptation strategies from local plans into the IRWMP.

The IRWMP coordinates with local planning efforts by using local water plans as a basis for developing a regional view of water supply, water quality, wastewater, recycled water, flood protection, stormwater management, watershed management, habitat protection/restoration and climate change mitigation and adaptation strategies. The CC relied on local and regional plans, and information provided by local water managers, as a basis for developing all aspects of the IRWMP. To facilitate future coordination with local planning efforts, a comprehensive inventory containing over 100 local and regional water resource plans was developed and will be used for future IRWMP updates. Any inconsistencies that arise between the IRWMP and local water plans will be resolved on a case-by-case basis through consultation with the agency that prepared the plan. Chapter 12 also incorporates climate change mitigation and adaptation strategies from regional plans and local planning efforts.

Table ES-5 shows the Resource Plan types used within the Region for water management planning.



Table ES-5: Bay Area Water Resource Plan types by Water Management Activity and Functional Area

	r Management Activity 2012 Guidelines) ^a		*	
General	Specific	Corresponding Functional Area	Plans in Bay Area IRWMP Water Plan Inven	tory ^b Addressing these Topics
	 Groundwater Management Urban Water Management Water Supply Assessments Agricultural Water Management 	Water Supply & Water Quality	 Water Supply Management Programs Urban Water Management Plans Clean Water Programs Groundwater Management Plans Salt Management Plans Salt/Nutrient Management Plans 	 Water Supply Evaluations Stormwater Pollution Prevention Program Integrated Resource Management Plan Water Supply Strategies Action Plans Water Supply Infrastructure Master Plan
Multi-Purpose Program Planning City and County	Salt and Salinity Management	Wastewater & Recycled Water	Recycled Water Master and Strategic Plans Sewer System Master Plans	Wastewater Treatment Plant Master Plan Water Reuse Programs
General Planning Emergency	Flood Protection Stormwater Management Low Impact Development	Flood Protection & Stormwater Management	Stormwater Management Plans Flood Management Plans Sediment Management Studies/Plans	Stream Management Master PlansStormwater Pollution Prevention ProgramStream Maintenance Plans
Response, Disaster Plans	Watershed Management	Watershed Management - Habitat Protection & Restoration	 Habitat Restoration Plans Watershed Management and Stewardship Plans Habitat Conservation Plans Conservation Strategy Plans Habitat and Species Recovery Plans Historical Ecology Studies 	 Vegetation Management Plans Habitat Stewardship Plans Stream Maintenance Plans Coastal Waters Management Plans Watershed Action Plan Invasive Species Studies/Plans



The Bay Area also benefits from several existing forums that promote regional planning and allow for coordination and collaboration of ideas. These include:

- Association of Bay Area Governments (ABAG)
- Metropolitan Transportation Commission (MTC)
- Joint Policy Committee
- Bay Area Clean Water Agencies (BACWA)
- Bay Area Water Supply and Conservation Agency (BAWSCA)
- Bay Area Water Agencies Coalition (BAWAC)
- Bay Area Flood Protection
 Agencies Association (BAFPAA)

- Bay Area Watershed Network (BAWN)
- North Bay Watershed Association (NBWA)
- City/county councils of government
- Low Impact Development Leadership Group
- Watershed Information Center & Conservancy (WICC) of Napa County
- Santa Clara County Basin
- Watershed Management Initiative (WMI)
- Bay-Delta Region of Resource Conservation Districts (RCDs)

1.14 Relation to Local Land Use Planning (Chapter 13)

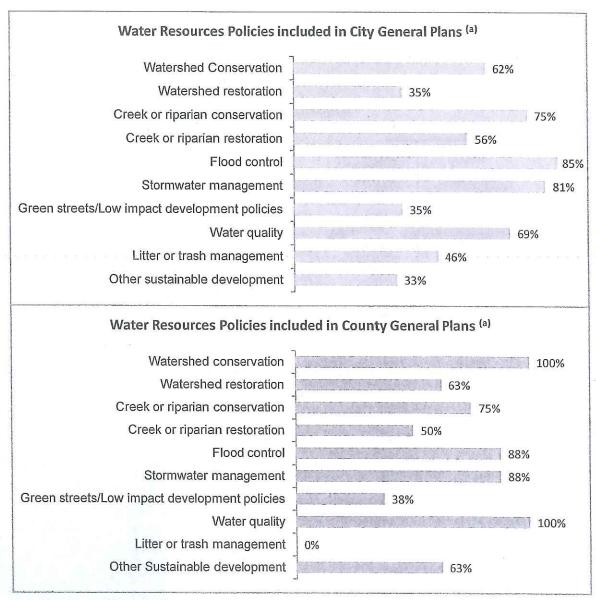
Chapter 13 describes the processes that foster communication between land use managers and regional water management groups with the intent of effectively integrating water management and land use planning. The chapter documents land use planning processes currently in place in the Bay Area Region, describes the current relationship between land use and water resources managers (including coordination with land use planning agencies undertaken as part of the IRWMP), and identifies opportunities to facilitate a better working relationship between water resources managers and land use decision makers in the future. Figure ES-6 presents the results of a survey (described in Section 13.2.2) of the prevalence of water resources policies contained in city and county general plans.

Coordination between land use planners and water resources managers in the Bay Area Region occurs during long-term planning, at the project level, and in association with a variety of specific initiatives and regulatory drivers. As part of the development of the IRWMP, the San Francisco Estuary Partnership (SFEP) convened discussions on collaboration between water agencies and land use agencies, and conducted a survey of local governments to establish a baseline inventory of local watershed policies and to assess the current degree of inter-agency collaboration. Telephone surveys with water resources managers also were conducted. These outreach efforts helped to identify constraints that may inhibit opportunities to facilitate improved collaboration among local land use planning and water resources managers. These constraints and opportunities in turn informed development of a draft plan for improving collaboration between land use and water resources managers in the future. The intent of the draft



collaboration plan presented in Chapter 13 is to promote a shared understanding of the effects of climate change on the Region, and to cultivate inter-agency ties to support implementation of integrated land-use and water resources related adaptation strategies.

Figure ES-6: Water Resources Policies Contained In Bay Area General Plans



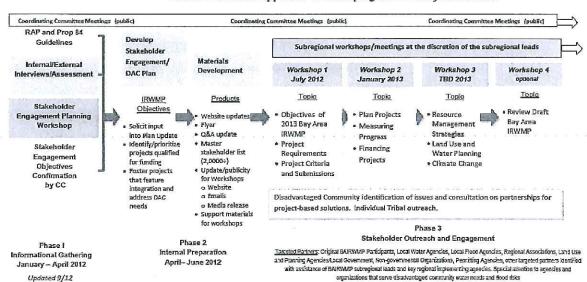
Note: (a) "Other sustainable development" includes green building, density increase, water recycling, greenhouse gas (GHG) emissions, open space conservation, green government, climate change and sea level rise plans, complete streets, transit oriented development, and rainwater and greywater reuse.
 Source: San Francisco Estuary Partnership, Local Governments Watershed Inventory, September 12, 2012.



1.15 Stakeholder Involvement (Chapter 14)

Chapter 14 identifies the approach to stakeholder engagement and specific activities to involve a range of interests in development of the Plan and submission of proposed projects as shown in Figure ES-7 It also describes next steps to encourage ongoing participation in IRWMP activities, including outreach to Disadvantaged Communities (DACs) and Native American tribes.

Figure ES-7: Stakeholder-based Plan Development



Stakeholder-based Approach to Developing the 2013 Bay Area IRWMP

The Plan Update outreach process was augmented by the consolidation of numerous existing IRWMP contact lists, and the addition of potentially interested water-related agencies and organizations, land use agencies, public policy organizations, and NGOs. At 1,500 contacts, this nearly tripled the stakeholder list that existed at the beginning of the planning process.

Particular attention was paid to identifying DAC and tribal representatives and encouraging their participation. This effort included producing one regional, and four subregional 2010 U.S. Census-based maps showing locations of DACs, producing DAC-specific informational materials including information in Spanish, collaborating with the San Francisco Estuary Partnership to help with outreach, and providing guidance to organizations and



Public Workshop #2



agencies interested in submitting DAC-serving projects. The outreach resulted in the submission of numerous DAC-serving projects.

General outreach materials included a flyer, a set of Frequently Asked Questions, CC meeting materials, and website information (http://bairwmp.org/). The website features a forum for linking potential project partners and an online project submission form.

Forums for stakeholder outreach included meetings in the four subregions, presentations to 20 local government and land use planning agencies, and two public workshops. These workshops attracted 60 to 80 participants each, a fourth of whom represented environmental, community, environmental justice and agricultural organizations.

1.16 Coordination (Chapter 15)

Chapter 15 describes how the CC has taken steps forward to improve coordination of water resources related matters in the Region. As described in previous sections of this Plan, management of water and other related resources within this Region is complex and has many interdependencies. Furthermore, the authorities and responsibilities for managing water and related resources within the Region are spread across many different agencies, organizations, and other stakeholders. This level of complexity, and the distributed network of shared responsibilities, creates the need for robust and effective coordination. This chapter also outlines how the CC coordinates with neighboring IRWM regions, local, state, and federal agencies and other stakeholders to improve integrated water management throughout the Region and neighboring areas.

Developing this Plan involved a diverse group of water supply, water quality, wastewater, stormwater, flood protection, watershed, municipal, environmental, and regulatory groups whose input played a key role in defining water resources management goals and objectives, identifying and selecting priority projects to help meet those goals and objectives, and coordinating IRWM related activities and efforts. The outreach and coordination process of the IRWMP brings together a broad array of groups into a forum to help ensure that the Plan reflects the water-related needs of the entire Region, promotes the formation of regional partnerships, and encourages increased coordination with local, state and federal agencies.

Coordination efforts within the Bay Area Region are facilitated by the following regional groups: Bay Area Water Agencies Coalition (BAWAC), Bay Area Clean Water Agencies (BACWA), Bay Area Stormwater Management Agencies Association (BASMAA), Bay Area Flood Protection Agencies Association (BAFPAA), Bay Area Water Supply and Conservation District (BAWSCD), and Bay Area Watershed Network (BAWN). Many of these groups also have representatives on the CC and act as representatives to the Functional Areas.

Multiple IRWM planning efforts, as individual regions, were initiated during 2005-2006 creating significant overlap among regions in the Bay Area. Several of the individual regions were consolidated into the Bay Area IRWMP during the plan update process. Since the IRWMP was first adopted in 2006, additional consolidation and clarification has occurred. Table ES-6 summarizes the historic overlaps in the San Francisco Bay Area region that have been consolidated since the 2006 Plan.



Table ES-6: Changes in Regional Boundaries since 2006 Plan

Region	Description of Previous Region Overlap	Boundary Resolution
Tomales Bay Watershed Integrated Coastal Water Management Plan	Complete overlap	The Tomales Bay Watershed Council decided not to pursue its Integrated Coastal Watershed Management Plan independently of the Bay Area IRWMP. IRWM efforts in the Tomales Bay watershed are now included in the San Francisco Bay Area IRWM effort.
East Contra Costa County (ECCC) IRWM Plan	Overlap of northwestern triangular area	Integration of northwestern portion into the Bay Area Region. Efforts with the San Joaquin IRWM region to be coordinated under East Contra Costa County region's governance
Napa-Berryessa IRWM Plan	Overlap of southwestern portion	Complete integration of southwestern portion into the Bay Area Region. The rest of their original region is coordinating with the Westside IRWM Region.
Solano IRWM Plan	Overlap of southwestern portion	Complete integration of southwestern portion into the Bay Area Region. The rest of their original region is coordinating with the Westside IRWM Region.
Sonoma County Agencies	Overlap of southeastern- portion	Integration of southeastern portion into the Bay Area Region through Sonoma County Water Agency. The rest of the county is involved in the North Coast IRWM efforts.

The CC and the leaders from other regions listed in Table ES-6 resolved the overlapping boundaries listed in the table through direct communication in writing, in phone conversations, and through invitations and participation in CC meetings. Through direct communication, individual regions could determine for themselves if partnering and integrating with the Bay Area IRWMP was beneficial to them. Each region reached their decision independently after attending CC meetings and discussing the proposed mergers of the boundaries with their respective organizing committees.

Representatives from neighboring regions are invited to participate and to provide a linkage between the Bay Area and other IRWMPs, enabling information sharing and communication between the regional planning efforts.



1.17 Climate Change (Chapter 16)

The climate change standard is new to the 2012 DWR guidelines, and the topic is addressed throughout the Bay Area IRWMP including in Chapter 3 - Goals and Objectives, and Chapter 12 - Relation to Local Water Planning. Chapter 16 focuses on assessing the potential climate change vulnerability areas of the Region's water resources and identifying climate change adaptation strategies with the overall goal of making climate change adaptation an overarching theme throughout the Plan.

"Climate change is already affecting California and is projected to continue to do so well into the foreseeable future. Current and projected climate changes include increased temperatures, sealevel rise, a reduced winter snowpack, altered precipitation patterns, and more frequent storm events. These changes have the potential for a wide variety of impacts such as altered agricultural productivity, wildfire risk, water supply, public health, public safety, ecosystem function and economic continuity." 1

The recent sea-level rise publication from the National Research Council titled Sea-Level Rise for the Coasts of California, Oregon, and Washington: Past, Present, and Future (NRC 2012) provided estimates of relative sea-level rise for San Francisco Bay and is shown in Table ES-7. The "Projection" represents the mid-range estimate with an estimated accuracy of (i.e., ±2 inches), and the "Range" represents the high and low estimates from the models.

Table ES-7: Relative Sea-Level Rise Projections for San Francisco Bay

Year	Projection (in)	Range (in)
2030	6 (± 2)	2-12
2050	11 (± 4)	5-24
2100	36 (± 10)	17-66
Source: Table 5.3, N	IRC (2012).	

The climate change assessment is consistent with DWR's *Climate Change Handbook for Regional Water Planning* and with the climate change requirements in the Proposition 84 IRWMP Guidelines (October 2012). The Vulnerabilities Areas from the Handbook were discussed and prioritized by the IRWMP's climate change Technical Advisory Committee (TAC) comprised of local agency climate change specialists. The prioritized six vulnerability areas were:

- 1. Sea-Level Rise
- 2. Flooding
- 3. Water Supply and Hydropower
- 4. Water Quality
- 5. Ecosystem and Habitat
- 6. Water Demand

The potential impacts of each vulnerability area were discussed at the Bay Area level, and at each of the four subregional levels (North, East, South and West). Additional information on regional and local mitigation and adaptation strategies can be found in Chapter 12, Tables 12-2

¹ California Climate Adaptation Planning Guide, 2012, Executive Summary.



and 12-3. Regional adaptation strategies and performance metrics were identified for each vulnerability area. The next steps for future IRWMP updates were identified, including a discussion of needed research, models, and data. In addition, it is recognized that analysis needs to be done at the project level including: GHG baseline calculations, adaptation strategies, mitigation strategies and performance metrics.

1.18 Conclusion

The Bay Area IRWMP presents information and a water resources management plan for a diverse and complex region with many challenges. However, in the intervening years between the original 2006 Plan and this update, many advances have been made. A new "Subregional" strategy was developed to improve coordination and broaden participation throughout the region. Clarification of boundaries, and the roles of other Regions have been sought, and more communication among these external Regions was facilitated. Plan objectives were scrutinized and reorganized to better reflect the current needs. The Region examined various ways to enhance the resource management strategies, and selected specific strategies for inclusion. For the first time, supporting activities, like an example Salt and Nutrient Management Plan, are provided for others as resources. Projects were considered through Regional priorities that address multiple goals, not only at the Regional level, but also at the Subregional level. This shift allowed for initiation of the Subregional Process. From the new list of projects, impacts and benefits to the Region were assessed, and performance and monitoring criteria were established along with recommendations for data management and improvements to the website. Also, the Region explored options for addressing climate change and identified projects that may provide adaptation options. Innovative local water funding mechanisms were shared among the Region's participants and discussed as options to augment the state and federal funding for implementing the IRWMP. The CC continued to foster collaboration and coordination of land-use and water planning efforts. Efforts to engage the pubic included several public workshops and stakeholders were encouraged to participate, review and comment on the IRWM Plan update. New research into local disadvantaged and environmental justice communities added to an already extensive project list and provided additional information on community needs. This IRWMP update addresses the critical needs of the Bay Area IRWM Region and provides a framework for continued collaboration.

DERWA Summary & Recommendation

Agreement with Association of Bay Area Governments/
San Francisco Estuary Partnership for the
2014 IRWM Drought Solicitation - San Francisco Bay Area Grant Application

Summary:

DSRSD and EBMUD have projects that are part of the Bay Area Integrated Regional Water Management Plan. They are jointly seeking Proposition 84 IRWMP Drought Grant Funds under DERWA to maximize their opportunity for grant award. Both agencies have agreed to equally share in the cost of preparation of the grant application and of DERWA administration of awarded grant funds. Jointly, they are seeking \$4 million in grant funds for the project shown on the attached map. Under the grant application, DSRSD is seeking to expand its recycled water distribution facilities to western Dublin and Alameda County facilities. EBMUD is seeking to expand its recycled water distribution facilities in Bishop Ranch in western San Ramon. This project is anticipated to reduce ultimate potable water demand by approximately 1,000 acre-feet for the two agencies. The estimated total cost for the project is about \$10 million.

The Proposition 84 IRWMP Drought Grant application for the San Francisco Bay region is being prepared and administered by the Association of Bay Area Governments/San Francisco Estuary Partnership (ABAG/SFEP). To be included in the regional application, ABAG/SFEP requires that participating agencies adopt an agreement to formalize the working relationship between it and the grant applicants. ABAG/SFEP has contracted with Horizon Water and Environment, LLC to prepare the regional application. This consultant successfully prepared the application for the Bay Area Region for the Proposition 84 Round 2 Implementation Grant, for which Bay Area agencies received \$20.43 million.

For this drought grant application round, the cost to DERWA is \$13,740. The application preparation is currently under way. Award announcement is expected in September 2014.

Recommendation:

The Authority Manager recommends that-the Board authorize, by motion, the Authority Manager to execute the Agreement with ABAG/SFEP for the 2014 IRWM Drought Solicitation - San Francisco Bay Area Grant Application.

June 23, 2014

Attachments

Reviewed by Wngh

Agreement

2014 IRWM Drought Solicitation - San Francisco Bay Area Grant Application

This Agreement is entered into by and between the following entities: Association of Bay Area Governments/San Francisco Estuary Partnership (ABAG/SFEP), and the <u>DSRSD-EBMUD Recycled Water Authority (DERWA)</u>, hereinafter referred to as "Participant". ABAG/SFEP has entered or will enter into substantially similar Agreements with other entities, and collectively all such entities shall be referred to collectively as "Participants."

A. <u>Purpose</u>. The purpose of this Agreement and all substantially similar Agreements is to formalize the working relationship between ABAG/SFEP and the Participants. This Agreement defines the duties and obligations of the parties, and establishes the necessary administrative and governance structure to ensure an efficient process for the preparation and submission of an application for grant funding from the California Department of Water Resources' (DWR) Integrated Regional Water Management (IRWM) Program Drought Solicitation for Round 3 IRWM Implementation Grants funded by Proposition 84. (Grant Opportunity).

B. <u>Retention of Consultant</u>. To respond to the DWR Solicitation, ABAG/SFEP, with the concurrence of the Participants, has retained Horizon Water and Environment, LLC (Grant Consultant) to help organize, prepare and submit the grant application at a fixed price of One Hundred Forty Thousand One Hundred Forty Dollars (\$140,140).

C. Participant Responsibilities. Each Participant is obligated to:

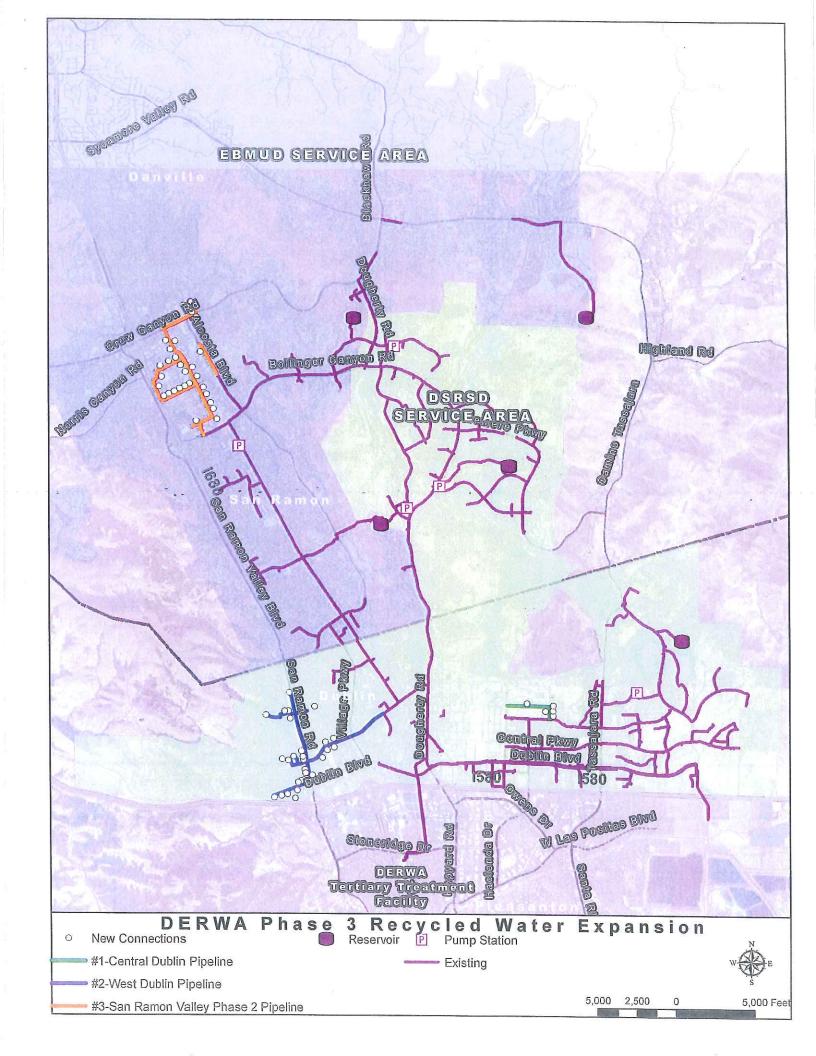
- 1. Work collaboratively to support Grant Consultant's preparation of the application for the Grant Opportunity (Application).
- 2. Cooperate with ABAG/SFEP and the Grant Consultant in a timely fashion to define one or more projects to be included in the Application (Participant Project).
- 3. Submit information requested by ABAG/SFEP and the Grant Consultant
 - a. In a timely fashion according to the set schedule
 - b. In the proper format as defined by ABAG/SFEP and the Grant Consultant
 - c. Of sufficient quality and detail to respond to the grant program requirements.
- 4. Upon notice of an award of a grant resulting from the application for the Grant Opportunity (Grant), collaborate on negotiating and finalizing the funding agreement with DWR (Grant Agreement).
- D. <u>ABAG/SFEP</u> Responsibilities. In addition to the responsibilities described in section C, ABAG/SFEP will also have the following additional roles/responsibilities:
- 1. Fiscal agent for all proposed activities under this Agreement.
- 2. Agency of record and contracting principal for the procurement, selection, retention and payment of the Grant Consultant.
- 3. Responsible party to ensure that the grant application is submitted on time.
- 4. Recipient of the Grant, if awarded by DWR, and distribution of grant funds accordingly to fund each Participant Project.
- E. <u>Member Resources and Funding</u>. The Participants acknowledge that the Application requires their investment of resources for it to be effective. Each Participant will:
- 1. Assign staff, at no cost, to act as its lead to assist ABAG/SFEP in the collection of required project information for the Grant Consultant to prepare the grant.
- 2. Each Participant will pay a share of the cost of the Grant Consultant. Each Participant will deposit the amount of \$13,740 with ABAG/SFEP upon signing this Agreement. ABAG/SFEP reserves the right to invoice all Participants for any difference between this deposit and Participant's actual share of the cost of the Grant Consultant. Each Participant will pay all amounts due and/or invoiced within

twenty-one (21) days following approval of payment/invoice by appropriating agency, board, or city council.

- F. <u>Termination</u>. This Agreement will continue until terminated by majority vote of the Coordinating Committee or upon the execution of the Grant Agreement, whichever is earlier.
- G. Amendments. This Agreement may be amended only in a writing executed by both parties.
- H. <u>Counterparts</u>. This Agreement may be executed in counterparts, each of which is an original and all of which constitute one and the same instrument.
- I. Effective Date. This Agreement is effective upon its full execution.

Participant: DERWA (DSRSD-EBMUD Recycles):	led Water Authority)
James Bewley, DERWA Authority Manager	-
Date:	
Attest:	
Nancy Gamble Hatfield, DERWA Authority Se	cretary
Approved as to form:	
	a a
Robert B. Maddow, DERWA General Counsel	_
	Association of Bay Area Governments
	Ezra Rapport, Executive Director
	Ezia Rapport, Executive Director
Approved as to form:	
Kenneth K. Moy, ABAG Legal Counsel	

IN WITNESS WHEREOF, the parties have caused this Agreement to be effective with the approval of their legally authorized representatives on the dates indicated below.



ITEM 9 MANAGER'S REPORTS

- 1. Capital Projects Update None
- 2. Confirm Date of Next Meeting August 25, 2014