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Commissioner

OFFICERS

MATTHEW R. KNUDSON
General Manager
TOM BARNES
Controller
DAWN DEANS
Executive Assistant

August 12, 2013

Agenda for the Regular Meeting of the Commissioners of the Antelope Valley State Water Contractors Association to be held at the Palmdale Water District's office at 2029 East Avenue Q, Palmdale

Thursday, August 15, 2013

6:30 p.m.

NOTE: To comply with the Americans with Disabilities Act, to participate in any Association meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to an Association meeting to inform us of your needs and to determine if accommodation is feasible.

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the Palmdale Water District's office located at 2029 E. Ave. Q, Palmdale. Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the Association to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

1) Pledge of Allegiance.
2) Roll call.
3) Public comments for items not on the agenda.
4) Consideration and possible action on minutes of regular meeting held April 18, 2013.
5) Payment of bills.

6) Consideration and possible action on 2013/2014 budget. (General Manager Knudson)

7) Consideration and possible action on Joint Funding Agreement for continuation of the Cooperative Water Resources Program between AVSWCA and USGS for the period November 1, 2013 to October 31, 2014. (General Manager Knudson)

8) Consideration and possible action on regional control of water from the State Water Project. (General Manager Knudson)

9) Update on Palmdale Water District's Littlerock Creek Recharge and Recovery Project. (General Manager Knudson)

10) Consideration and possible action on agency interest in funding a Feasibility Study for development of Joint Recharge/Water Banking Project on the east side of the Antelope Valley. (General Manager Knudson)

11) Report of General Manager.

   a) Updated contact list for Commissioners and staff.

   b) Update on Antelope Valley IRWMP.

   c) Update on Salt and Nutrient Management Plan for the Antelope Valley.

   d) Update on Prop. 84 and 1E Grant Applications.

12) Report of Controller.

13) Reports of Commissioners.

14) Report of Attorney.

15) Commission members' requests for future agenda items.

16) Consideration and possible action on scheduling the next Association meeting.

17) Adjournment.

AGENDA ITEM NO. 5

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION

COMMISSION MEMORANDUM

DATE:	August 12, 2013	**August 15, 2013**
TO:	AVSWCA Commissioners	**Commission Meeting**
FROM:	Matthew R. Knudson, General Manager	
RE:	*AGENDA ITEM NO. 5 – PAYMENT OF BILLS*	

Recommendation:

Staff has reviewed and recommends approving payment of the attached invoice from the Palmdale Water District in the amount of $1,282.88. This invoice includes labor charges for Matthew Knudson (General Manager), Dawn Deans (Executive Assistant), and Gene Taylor (Finance) for the period of February 24, 2013 through May 18, 2013.

Staff has reviewed and recommends approving payment of the attached invoice from the Palmdale Water District in the amount of $21.06. This invoice includes labor charges for Dawn Deans (Executive Assistant) for the period of May 19, 2013 through June 29, 2013.

Staff has reviewed and recommends approving payment of the attached invoice from the Antelope Valley East Kern Water Agency in the amount of $703.68. This invoice includes labor charges for Tom Barnes (Controller) for the period of February 1, 2013 through March 31, 2013.

Staff has reviewed and recommends approving payment of the attached invoice from IES in the amount of $294.00. This invoice includes web hosting services for the period of July to December, 2013.

Staff has reviewed and recommends approving payment of the attached invoice from The United States Department of the Interior in the amount of $28,025.00 for the quarterly billing for cooperative water resources investigations in the Antelope Valley State Water Contractors Association (AVSWCA) area per a Joint Funding Agreement between AVSWCA and the U.S. Geological Survey.

PALMDALE WATER DISTRICT

2029 East Avenue Q • Palmdale, California 93550 • Telephone (661) 947-4111
Fax (661) 947-8604
www.palmdalewater.org

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LAGERLOF, SENECAL, GOSNEY & KRUSE LLP
Attorneys

ACWA

JUNE 10, 2013

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION

RE: CHARGES FOR STAFF TIME IN PREPARING AGENDAS, MINUTES, ETC. FOR FEBRUARY 24 THRU MAY 18, 2013.

Labor: (Pay period beginning date)		Amount
02-24-13	6.25 Hrs.	305.46
03-10-13	3.50 Hrs.	207.45
03-24-13	0.50 Hr.	21.06
04-07-13	6.50 Hrs. 1.50Hrs. O.T.	379.60 94.77
04-21-13	3.00 Hrs.	143.51
05-05-13	2.50 Hrs.	131.03
	TOTAL LABOR	1,282.88
	TOTAL DUE	**$1,282.88**

If you have any questions please contact me at 661-456-1014.

Sincerely,

Yolanda T. Radovic

YOLANDA T. RADOVIC, Accounting Assistant II
/ytr
(Work order # PWD09ADMAVSCA
Please Credit GL# 1-00-3030-000

PALMDALE WATER DISTRICT

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LAGERLOF, SENECAL, GOSNEY & KRUSE LLP
Attorneys

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Division 5

August 12, 2013

ANTELOPE VALLEY STATE WATER CONTRACTORS ASSOCIATION

RE: CHARGES FOR STAFF TIME IN PREPARING AGENDAS, MINUTES, ETC. FOR MAY 19 THRU JUNE 29, 2013.

Labor: (Pay period beginning date)		**Amount**
05-19-13	0.00Hr.	0.00
06-02-13	0.50 Hrs.	21.06
06-16-13	0.00Hr.	0.00
	TOTAL LABOR	21.06
	TOTAL DUE	**$21.06**

If you have any questions please contact me at 661-456-1014.

Sincerely,

Yolanda T. Radovic

YOLANDA T. RADOVIC, Accounting Assistant II
/ytr
(Work order # PWD09ADMAVSCA
Please Credit GL# 1-00-3030-000

BOARD OF DIRECTORS

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ANTELOPE VALLEY - EAST KERN WATER AGENCY
AVEK
ESTABLISHED 1959

A PUBLIC AGENCY

OFFICERS

DAN FLORY
General Manager

HOLLY H. HUGHES
Secretary-Treasurer

April 16, 2013

Antelope Valley State Water Contractors Assoc.

Re: Invoice of Charges for Staff
Tom Barnes - Controller
February 1 – March 31, 2013

Total: $703.68

Period	Hrs	Amount	Notes
February 1, 2013 thru February 28, 2013	9	$ 527.76	AVSWCA Meeting & preparation, In-Lieu Agreement prep, Commissioner communications, website update.
March 1, 2013 thru March 31, 2013	3	$ 175.92	Staff Communications re: In-Lieu Agreement, website.
Total:	**12**	**$ 703.68**	

6500 WEST AVENUE N • PALMDALE, CALIFORNIA 93551
(661) 943-3201 • FAX (661) 943-3204

Interactive Educational Services, Inc.

5401 Business Park South
Suite 108
Bakersfield, CA 93309

Phone: 661-859-1900
Fax: 661-859-1840

www.iescentral.com
e-mail: info@iescentral.com

RECEIVED
JUN 19 2013

Invoice

BILL TO
Antelope Valley State Water Cont. Asso. C/O Palmdale Water District 2029 East Avenue Q Palmdale, CA 93550

DATE	INVOICE #
7/1/2013	19093

P.O. NO.	TERMS
	Due on receipt

DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
Recurring monthly charge for web hosting - July to December 2013	6	49.00	294.00
		Total	$294.00

8/12/13
OK TO PAY # 294 —
M. X.

DI-1040

UNITED STATES DEPARTMENT OF THE INTERIOR
DOWN PAYMENT (BILL) REQUEST

Bill #: 90170826
Customer: 6000001010
Date: 05/10/2013
Due Date: 07/09/2013

Make Remittance Payable To: U.S. Geological Survey
Billing Contact: Tammy Seubert Phone: (916) 278-3040

Remit Payment To: United States Geological Survey
P.O. Box 71362
Philadelphia, PA 19176-1362

Payer: ANTELOPE VALLEY STATE
WATER CONTRACTORS ASSOCIATION
C/O PALMDALE WATER DISTRICT
2029 EAST AVENUE Q
PALMDALE CA 93550

To pay through Pay.gov go to https://www.pay.gov.

Additional forms of payment may be accepted. Please email gdatta@usgs.gov or call 703-648-7605 for additional information.

Checks must be made payable to U.S. Geological Survey. Please detach the top portion or include bill number on all remittances.

Amount of Payment: $ _____

Date	Description	Qty	Unit Price		Amount
			Cost	Per	
05/10/2013	This is a quarterly billing for cooperative water resources investigations in the Antelope Valley State Water Contractors Assn. (AVSWCA) area, per a Joint Funding Agreement (JFA) between the AVSWCA and the USGS. This JFA is dated 11/1/2012 and was accepted by the AVSWCA on 4/9/2013. This billing covers the periods of 11/1/2012-1/31/2013 & 2/1/2013-4/30/2013. 13WSCA43000	1	28,025.00	1	28,025.00
				Amount Due this Bill:	28,025.00

Accounting Classification:
Sales Order: 28502
Sales Office: GWZG
Customer: 6000001010
Bill #: 90170826

TIN: 954753654

8/12/13
OK TO PAY $28,025
m.K

RECEIVED
MAY 13 2013

California Water Science Center
6000 J Street, Placer Hall
California State University
Sacramento, California 95819-6129
Phone: (916) 278-3000 Fax: (916) 278-3070
http://water.wr.usgs.gov

DRAFT

Mr. Matthew Knudson, Interim General Manager
Antelope Valley State Water Contractors Association
C/O Palmdale Water District
2029 East Avenue Q
Palmdale, California 93550

Dear Mr. Knudson:

This letter confirms discussions between our respective staffs, concerning the continuation of the cooperative water resources program, between the Antelope Valley State Water Contractors Association (AVSWCA) and the U.S. Geological Survey (USGS) during the period November 1, 2013 to October 31, 2014.

The proposed program for the subject period and associated costs are as follows:

1. **Ground Water-Level monitoring**

   Water levels will be measured in the spring of 2014 in approximately 220 wells (see List A). Water levels will be measured in September 2014 in 30 index wells that are indicative of each of the ground-water subunits - and a few extra wells in the Lake Los Angeles area.

2. **Ground Water-Quality monitoring**

   Water samples will be collected for chemical analysis from 12 wells in Group 3 (see List B). The remaining wells in the study will be sampled for specific conductance and temperature (see List B, Groups 1 and 2). All wells will be sampled for complete analysis (see List C) on a three year rotational basis.

3. **Water-level Contour Map (a) and Interactive Website (b)**

   (a) Data collected during the spring of 2013 will be used to construct a 2013 water-level contour map for the Antelope Valley groundwater basin. Previous water-level contour maps for Antelope Valley were published by the USGS in cooperation with the Antelope Valley – East Kern Water Agency as Open-File Reports 80-1222, 86-498 and 98-4022 using water-level data collected in 1979, 1984 and 1996, respectively. An updated water-level contour map will aid water resource managers in assessing recent local groundwater conditions in the Antelope Valley. The USGS suggests a frequency interval of two years for publication of a water-level contour map.

Additionally, the water-level data will be used in a new online U.S. Geological Survey report, "Water-level and Land-Subsidence studies in the Antelope Valley Groundwater Basin, Southwestern Mojave Desert, California". The report also includes a series of images that show the location and extent of vertical land-surface changes in the region for various time intervals between 1992 and 2010. Maps of relative ground-surface change (interferograms) are constructed from Synthetic Aperture Radar (SAR) data to understand where groundwater pumping, hydrocarbon production, or other human and natural activities cause the land surface to uplift or subside. No additional land-subsidence data collection is planned for FY 2014.

(b) An interactive website utilizing a map based feature specific to the Antelope Valley will be developed to allow the public direct access to data and related reports available online by the USGS. From the site, the reader will be able to view any of the data from previously published water-level reports, compare and view water-level data from any of the maps, and perform tasks such as querying and identifying data. No operation and maintenance funding is required for the interactive website.

Data collected in items 1 and 2 above will be transmitted annually in paper and electronic form. Item 3 (a) and (b) will be available online as specified above.

FUNDING SUMMARY

Station number and name	AVSWCA Funds	USGS Funds	Total Funds
1. Ground Water-Level monitoring	$ 48,800	$24,500	$ 73,300
2. Ground Water-Quality monitoring	7,250	3,650	10,900
3a. Water-level Contour Map	36,700	15,800	52,500
3b. Interactive Website	17,000	4,700	21,700
TOTAL	**$109,750**	**$48,650**	**$158,400**

Total cost of the proposed program is $158,400. AVSWCA is responsible for $109,750, and subject to the availability of Federal matching funds, the USGS will provide $48,650.

Enclosed are two originals of Joint Funding Agreement (JFA) 14WSCA43000, signed by our agency, for your approval. If you are in agreement with this proposed program, please return one fully executed JFA to our office. Work performed with funds from this agreement will be conducted on a fixed-price basis. Billing for this agreement will be rendered quarterly.

The USGS is required to have an agreement in place prior to any work being performed on a project. We request that a fully executed JFA be returned prior to November 1, 2013. If it is not received by November 1, we will be required to suspend operations until an agreement is received.

If you have any questions concerning items 1 and 2 of this program, please contact Bob Blanchard, in our Redlands Field Office, at (909) 798-3272. If you have any questions concerning item 3 of this program, please contact Tracy Nishikawa, in our San Diego Projects Office, at (619) 225-6148. If you have any administrative questions, please contact Tammy Seubert, in our Sacramento Office, at (916) 278-3040.

Sincerely,

Eric G. Reichard
Director, USGS California Water Science Center

Enclosure

cc: Bob Blanchard, USGS CAWSC

Tracy Nishikawa, USGS CAWSC

Place Holder for List A: Water-level monitoring wells
Print Excel spreadsheet found at:

FILE: \shared_Docs\AGREEMENTS\PROGRAM_LETTERS\FY13 and beyond\Antelope Valley St WCA\14WSCA43000 \avswca list A.xls



LIST B

Antelope Valley State Water Contractors Association (AVSWCA)
Water-quality monitoring wells

GROUP 1	GROUP 2	GROUP 3
5N/10W- 8H1	7N/14W-13A1	29S/39E-23J2
5N/11W- 1M1	8N/10W-22H4	30S/39E-24J3
6N/11W- 6F1	8N/10W-22P3 (alternate)	30S/37E-24M2
6N/11W-11D1	8N/12W-16M1	30S/37E-34H2
6N/11W-36G1	8N/12W-21Q1	30S/38E-4D2
6N/12W- 9H3	8N/16W-13N1	31S/37E-1R2
7N/11W- 3E3	9N/13W-32C	32S/37E-16R1
7N/11W-19E1	10N/12W-15M3	9N/13W-28R
7N/13W-14E1	10N/13W-32D1	
9N/13W-30N		
9N/13W-32D		

DISCONTINUED

9N/14W-36B (WY13)	8N/16W-6M1 Knovak Well	9N/13W-34A
	9N/13W-34A?*	9N/13W-34J
	9N/13W-34J?*	

* State well number is tentative, pending verification by DWR.

LIST C

Chemical Constituents
(mg/L or as indicated)

Boron, dissolved(µg/L)

Calcium, dissolved

Chloride, dissolved

Flouride, dissolved

Iron, dissolved (µg/L)

Manganese, dissolved (µg/L)

Magnesium, dissolved

Ammonia, dissolved

Nitrogen (nitrate + nitrite), dissolved

Nitrogen (nitrite), dissolved

Orthophosphate (PO_4), dissolved

Orthophosphorus (P), dissolved

Potassium, dissolved

Silica, dissolved

Sodium, dissolved

Sulfate, dissolved

Dissolved solids at 180°C
(Labcode 27)

Sodium adsorption ratio

Percent sodium

Total alkalinity ($CaCO_3$)

Total Hardness ($CaCO_3$)

Noncarbonate hardness

Temperature °C

pH

Carbonate (CO_3)

Bicarbonate (HCO_3)

Specific conductance
(µS/cm @25 degC)

Arsenic (Labcode 3122)

Radon Analysis
(Labcode 1369)

Chromium, dissolved

Note: Samples for Chromium-VI will be collected at all groundwater sites. Analyses will be performed by a contract lab (TestAmerica), via a national contract between the contract lab and the USGS National Water-Quality Lab (NWQL).

Schedules used: 101, 117
and Labcodes: 27, 3122, and 1369.

DISTRIBUTION OF FUNDS

COOPERATOR: Antelope Valley State Water Constractors Assoc. CUST-ID 6000001010
TIN #: 95-4753654 AG-DIST-NO14WSCA43000

FISCAL YEAR	COST CENTER	PROJECT NUMBER	CUSTOMER REPAY	FEDERAL REPAY	UNMATCHED FUNDS	TOTAL PROGRAM
14	ZG00	00112	$ 28,150	$ 28,150	$ 27,900	$ 84,200
14	ZG00	NEW 3a	$ 15,800	$ 15,800	$ 20,900	$ 52,500
14	ZG00	NEW 3b	$ 4,700	$ 4,700	$ 12,300	$ 21,700
TOTAL			$ 48,650	$ 48,650	$ 61,100	$ 158,400
COOP	**TOTAL**		**$ 48,650**	**$ 0**	**$ 61,100**	**$ 109,750**

FIELD OFFICE SUBPROJECTS

02 - UKIAH 03 - REDDING 04 - MARINA
05 - SACRAMENTO 07 - CARNELIAN BAY 10 - DATA COMMON SERVICES
11 - SANTA MARIA 12 – NORTH POWAY 13 – SOUTH POWAY

COOPERATOR REQUESTS BILLING DATE _

VOLUME(S) ON DATA REPORT: 1

DISCIPLINE: SW: _% GW: _% QW: _% SED: _% PRE: _%

REMARKS: _____

(CC)BLD: SCHIFFER BOWERS CALDWELL SAN DIEGO STAFF

SPECIALISTS LAMB HUFF AGAJANIAN ADMIN

TYPE: FIXED PRICE BASIS

BILL CYCLE: Quarterly

FILE: \shared_docs\AGREEMENTS\PROGRAM_LETTERS\FY13 and beyond\Antelope Valley St WCA\14WSCA43000 \avswc.doc

List A

Antelope Valley State Water Contractors Association (AVSWCA)
Water-level monitoring wells - measured annually (Spring)

Well Number	Frequency
4N/ 8W- 7C1	Annual
4N/ 8W- 7R1	Annual
4N/13W- 7Q1	Annual
4N/13W-12C3	Semi-Annual
4N/13W-15A1	Annual
5N/ 9W- 4C1	Annual
5N/ 9W- 5R2	Annual
5N/ 9W- 8J1	Annual
5N/10W- 6N1	Annual
5N/10W-12M2	Annual
5N/10W-17R1	Annual
5N/11W-12R1	Annual
6N/ 8W-28A2	Semi-Annual
6N/ 8W-34D1	Semi-Annual
6N/ 9W- 4H2	Semi-Annual
6N/ 9W- 7J1	Annual
6N/ 9W-21R1	Annual
6N/ 9W-28F1	Semi-Annual
6N/ 9W-29Q1	Annual
6N/ 9W-30F1	Annual
6N/9W-33G1	Annual
6N/ 9W-33P1	Annual
6N/10W- 4F2	Annual
6N/10W- 4M1	Annual
6N/10W- 5H1	Annual
6N/10W-20N1	Annual
6N/10W-22D1	Semi-Annual
6N/10W-30A2	Annual
6N/10W-30J2	Annual
6N/10W-35A1	Annual
6N/11W-6F1	Annual
6N/11W-31A1	Annual
6N/11W-36G1	Annual
6N/12W- 7A1	Annual
7N/ 9W-17N2	Annual
7N/10W-2H2	Annual
7N/10W- 5E3	Annual
7N/10W- 5N5	Semi-Annual
7N/10W-19D1	Annual
7N/10W-19Q1	Annual
7N/10W-22P1	Annual
7N/10W-29B1	Annual

Well Number	Frequency
7N/10W-29Q1	Annual
7N/10W-33J1	Annual
7N/11W- 1Q1	Annual
7N/11W- 5L1	Annual
7N/11W-11N3	Semi-Annual
7N/11W-12M1	Annual
7N/11W-14N1	Semi-Annual
7N/11W-16H3	Annual
7N/11W-27Q1	Annual
7N/11W-28Q1	Semi-Annual
7N/11W-29G1	Annual
7N/11W-31M1	Annual
7N/11W-34B1	Annual
7N/12W-12R1	Annual
7N/12W-19R1	Annual
7N/12W-22K1	Annual
7N/12W-24A1	Annual
7N/12W-26K3	Annual
7N/12W-27F5	Annual
7N/12W-27F6	Annual
7N/12W-27F7	Annual
7N/12W-27F8	Annual
7N/12W-27H1	Annual
7N/12W-27H5	Annual
7N/12W-27H6	Annual
7N/12W-27H7	Annual
7N/12W-27H8	Annual
7N/12W-27J5	Annual
7N/13W- 3D1	Semi-Annual
7N/13W-7A1	Annual
7N/13W-8B2	Annual
7N/13W-9N2	Annual
7N/13W-13N1	Annual
7N/13W-15D1	Annual
7N/13W-26J2	Annual
7N/13W-34B1	Annual
7N/14W-13A1	Annual
8N/ 9W- 6D1	Annual
8N/10W-18P3	Annual
8N/10W-22H4	Annual
8N/10W-22P3	Annual
8N/10W-23F3	Annual

Well Number	Frequency
8N/10W-28B1	Annual
8N/11W-14R1	Annual
8N/11W-15Q1	Annual
8N/11W-24R2	Annual
8N/11W-34D2	Semi-Annual
8N/12W- 2Q1	Annual
8N/12W- 5D1	Annual
8N/12W-10J1	Annual
8N/12W-21R1	Annual
8N/12W-28D1	Annual
8N/12W-30K1	Annual
8N/12W-31Q2	Annual
8N/12W-34K1	Annual
8N/13W- 5E1	Annual
8N/13W- 7B1	Annual
8N/13W- 9K1	Annual
8N/13W-11Q1	Annual
8N/13W-14B2	Annual
8N/13W-15M1	Annual
8N/13W-18Q2	Annual
8N/13W-20B1	Annual
8N/13W-23E1	Annual
8N/13W-26K1	Annual
8N/13W-31Q1	Annual
8N/13W-35M1	Annual
8N/14W- 1C1	Annual
8N/14W-10L1	Annual
8N/14W-17M1	Annual
8N/14W-18N1	Semi-Annual
8N/14W-23G1	Annual
8N/14W-24C1	Annual
8N/15W- 1E1	Annual
8N/15W- 2A1	Annual
8N/15W- 7P1	Annual
8N/15W- 9D1	Annual
8N/15W-10P2	Annual
8N/15W-19H1	Annual
8N/16W-16A1	Annual
8N/16W- 2R1	Annual
8N/16W- 3F1	Semi-Annual
8N/16W- 6M1	Semi-Annual
8N/16W- 9G1	Annual

Well Number	Frequency
8N/16W-12D1	Annual
8N/16W-17R2	Annual
8N/16W-18H2	Annual
8N/16W-22Q4	Annual
8N/17W-2N1	Annual
8N/17W- 4D1	Semi-Annual
8N/18W-23F1	Annual
9N/ 9W- 6E1	Annual
9N/ 9W-27H2	Annual
9N/10W- 8P1	Annual
9N/10W-24C1	Semi-Annual
9N/10W-24C2	Semi-Annual
9N/10W-28F2	Annual
9N/11W-36L1	Annual
9N/12W-16E4	Annual
9N/12W-23N1	Annual
9N/12W-33P1	Annual
9N/13W- 4A1	Annual
9N/13W- 7Q3	Semi-Annual
9N/13W-14Q1	Annual
9N/13W-21N1	Annual
9N/13W-27K2	Annual
9N/13W-28R ***	Annual
9N/13W-29M ***	Annual
9N/13W-30N ***	Annual
9N/13W-32C ***	Annual
9N/13W-32D ***	Annual
9N/13W-34Q1	Annual
9N/14W- 1H1	Annual
9N/14W-19L1	Annual
9N/14W-20B1	Semi-Annual
9N/14W-21G1	Annual
9N/14W-24A1	Annual
9N/14W-22D1	Annual
9N/14W-29E1	Annual
9N/14W-35N1	Annual
9N/15W-26N1	Annual
9N/15W-30Q1	Annual
9N/15W-34B2	Annual
9N/17W-36E1	Annual
9N/17W-36K1	Annual
10N/ 9W- 4D1	Semi-Annual

Well Number	Frequency
10N/ 9W-24A2	Annual
10N/12W-12K1	Annual
10N/12W-13H1	Annual
10N/12W-20C6	Annual
10N/12W-22J1	Annual
11N/ 8W-29K1	Annual
11N/ 9W-13D1	Annual
11N/ 9W-24A1	Annual
11N/ 9W-36R1	Annual
11N/10W-19D1	Annual
11N/10W-27R1	Annual
11N/11W- 7A1	Semi-Annual
11N/11W- 9A1	Semi-Annual
11N/12W-22F2	Annual
11N/13W-19C1	Semi-Annual
11N/13W-29M1	Semi-Annual
12N/12W-35R1	Annual
29S/39E-33K1	Annual
30S/37E-13C1	Annual
30S/37E-27H2	Annual
30S/37E-36G1	Semi-Annual
30S/37E-36N1	Annual
30S/38E- 3K2	Annual
30S/38E-24F1	Annual
30S/38E-30P1	Annual
30S/38E-31C1	Annual
31S/37E- 4Q1	Annual
31S/37E-33H1	Semi-Annual
31S/37E-35N1	Semi-Annual
31S/38E-18P1	Annual
31S/39E-24P1	Annual
32S/36E-35D1	Annual
32S/37E-11N1	Annual
32S/37E-12M1	Annual
32S/37E-26N1	Semi-Annual
32S/39E-33L1	Semi-Annual
Discontinued	Water Year
5N/10W-5R	2013
6N/9W-11N1	2013
6N/11W-3E2	2013
7N/12W-27H3	2013
30S/38E-30Q1	2013

Semi-Annual wells are measured in the Fall and Spring.
*State well number is tentative, pending verification by DWR.